Міністерство освіти і науки України
Національний університет водного господарства та
природокористування

Кафедра іноземних мов

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МЕТОДИЧНІ ВКАЗІВКИ
та навчальні завдання
з розвитку англомовного професійного спілкування
до практичних занять і самостійної роботи
для здобувачів вищої освіти першого (бакалаврського)
рівня всіх освітньо-професійних програм спеціальностей
ННІКІТІ НУВГП усіх форм навчання

Рекомендовано
науково-методичною радою
з якості ННІКІТІ
Протокол № 2 від 02.12.2024 р.

Рівне – 2024

Методичні вказівки та навчальні завдання з розвитку англомовного професійного спілкування до практичних занять і самостійної роботи для здобувачів вищої освіти першого (бакалаврського) рівня всіх освітньо-професійних програм спеціальностей ННІКІТІ НУВГП усіх форм навчання. [Електронне видання] / Кінащук А. В. – Рівне : НУВГП, 2024. – 100 с.

Укладач: Кінащук А. В., доктор філософії, старший викладач кафедри іноземних мов.

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Зміст

Вступ

Методичні рекомендації укладені відповідно до вимог освітньо-професійних програм ННІ КІТІ та містять завдання, що спрямовані на формування комунікативних та граматичних навичок рівня В2. Курс розрахований на здобувачів першого (бакалаврського) рівня вищої освіти, які навчаються за усіма освітньо-професійними програмами ННІ КІТІ Національного університету водного господарства та природокористування.

Запропоновані завдання у межах професійної тематики мають на меті розширити словниковий запас здобувачів освіти, удосконалити уміння застосовувати вже набуті навички усного мовлення, письма, читання та сприймання на слух висловлювань іноземною мовою, а також критичного мислення, креативності та кооперації.

У межах курсу здобувачі мають змогу послуговуватись сучасними ресурсами актуального Інтернет-контенту удосконалюючи власні навички з фаху із застосуванням відповідних інформаціно-комунікаційних технологій.

Методичні вказівки охоплюють навчальний матеріал іноземною (англійською) мовою, розподілений за трьома блоками, кожен з яких презентує можливості кар'єрного зростання у галузі інформаційних технологій та перспективи розвитку інтернету розумних речей із практикуванням

граматичних вмінь щодо вживання різних часових форм дієслова, ступенів порівняння прикметників та ін.

Методичні рекомендації стануть помічними у формуванні лінгвістичної та комунікативної компетентностей у професійному житті випускника закладу вищої освіти.

CHAPTER I. SMART WORLD

UNIT 1.1. IOT modern trends

Task 1. What do you know about IoT? What does IoT include? What do you know about top trends of IoT in 2023 and 2024?

Task 2. Learn the words from the Vocabulary Appendix and learn the words to be able to characterize IoT using your professional vocabulary.

Task 3. Match the words to make word combinations

1	to leverage	A	untouched
2	to use cases	B	leaks
3	to leave no industry	C	across various industries
4	exponential	D	surveillance
5	predictive	E	health metrics
6	to detect	F	maintenance
7	real-time	G	growth
8	to monitor	H	the innovation for a project
9	efficient resource	I	billing
10	to stand out with	J	the following features
11	accurate	K	consumption
12	sustainable	L	usage

Task 4. Work in pairs. Discuss the reasons why IoT is gaining such popularity and fields where IoT was and can be used.

Task 5. Read the article "10 Cutting-Edge IoT Use Cases for 2023" by Kostiantyn Oliynyk (https://webbylab.com/blog/top-iot-use-cases/) and answer the questions below:

1.   Where does IoT extend its use to?

2.   How much money is it forecasted to surpass due to IoT progress?
3.   How do IoT solutions can help within industry field?
4.   How can farmers leverage data for better-informed decisions?
5.   Why are smart houses becoming so popular?
6.   What can wearables monitor?
7.   How does IoT transform traditional classrooms?

Task 6. Study the Grammar Appendix for Unit 1.1. and make your sentences to demonstrate the use of Present Simple Tense, Present Continuous Tense, and Present Perfect Continous Tense.

Task 7. Find the examples of the tenses presented in the Grammar Appendix above and explain their use.

Task 8. Read the article "20 IoT Business Ideas & Opportunities in 2024" by Kostiantyn Oliynyk (https://webbylab.com/blog/top-iot-business-ideas/) and complete the chart below/ Present the results of your short survey to the audience.

No.	Field	Short characterictic how IoT can be used	Your opinion about possible pros and cons
1	Agriculture		
2	Weather Service		
3	Automated Home System		
4	Alarm Clock		
5	Air Quality Monitoring Systems		
6	Parking System		
7	Door		

	Automation		
8	Traffic Management		
9	Gas or Water Leakage Detection System		
10	Waste Control		
11	Consumer Electronics		
12	Anti-Theft System		
13	Robotic Night Patrol		
14	Health Monitoring System		
15	Smart Energy System		
16	Food Detection System		
17	Smart Transportation Hubs		
18	Automated Checkout		
19	Growing Plants		
20	Wearable Devices		

Task 8. Think of any extra fields IoT could be used and present your notes to the audience. Use such linking words as *as far as I know, to my way of thinking, to start with, evidently that, by this I mean, I*

have no doubt that, for example, I'm totally against, the way I see it, in conclusion, in addition to, of course, finally.

Unit 1.2. IOT software

Task 1. What kind of software is the most efficient? Which one would you recommend? Why? Does IoT require any special software?

Task 2. What is ther difference between a platform and software? How do these notions relate to each other? What do you know about *AWS IoT Core, Microsoft Azure IoT, Oracle IoT, Kaa Enterprise*?

Task 3. Study the Vocabulary Appendix for Unit 1.2. and learn new words to describe software IoT uses.

Task 4. Read the article "Top 8 IoT Cloud Platforms for 2024: Guide on How to Choose the Best One" by Kostiantyn Oliynyk (https://webbylab.com/blog/best-iot-cloud-platforms/) and complete the chart below:

No.	Platform	Main characteristics	Where to use
1	AWS IoT Core		
2	Oracle IoT		
3	Kaa Enterprise		
4	Particle		
5	Siemens		

Task 5. Look through the article once more and match the parts to make the sentences:

| 1 | AWS is a platform leader as it is | A | PaaS used in different fields. |
| 2 | If you choose this platform, | B | suitable for all projects. |

3	Oracle is a	C	most popular platforms in agriculture sector.
4	It is one of the	D	you get a naccess to different Amazon products.
5	Choose the best platform for	E	has two core services.
6	ThingWorx IIoT asissts	F	in workflow automation.
7	Siemens	G	video streaming
8	Particle provides such	H	include switches, routers, gateways, and access points.
9	Cisco IoT Cloud Connect can support	I	industrial applications.
10	Hardware solutions from this platform	J	large-scale deployments.
11	Siemens can provide even	K	hardware as development boards, gateways, system-on-modules.
12	Real-time analysis tools	L	belong to Oracle IoT platform.

Task 6. Read the article again and answer the questions below:

1. *What advantages of IoT cloud platforms do you find the most important ones?*
2. *Are high implementation costs advantages or disadvantages of IoT cloud platforms? Why?*
3. *Order the reasons to use IoT platform from a must-have to the least important one.*
4. *Which alternatives to IoT platforms have you learned from the article?*
5. *What kind of WebbyLab experience dealing with IoT cloud platforms is described in the article?*
6. *Would you like to try to work with IoT platforms? Why? Why not?*

7. *What criteria are key ones while choosing a suitable IoT platform?*

Task 7. Study FAQ in the article and search for other FAQ concerning with IoT cloud platforms. Read the answers and try to write your own answers paraphrasing the given ones and using conjunctions *so that, as, how, where, when, while* etc.

Task 8. Study the Grammar Appendix and make your own examples using Present Perfect Tense.

Task 9. Study the article from Task 4 and find the examples of Present Perfect Tense. Explain its usage.

Task 10. Make 10 sentences with 6 mistakes where you use Present Perfect Tense. Let you partner check the sentences and correct your mistakes. Then correct the mistakes your partner has made.

Unit 1.3. IOT engineer job

Task 1. Look at the pictures. Guess what kind of job this man has. Is there any difference between working from home and in the office?

Task 2. Study the Vocabulary Appendix and learn new words. Make your own sentences to demonstrate their use.

Task 3. Choose at least 7 words or word combinations and check how well your partner remembers their meanings.

Task 4. Look at the nouns below and say which verbs can match them in order to make proper word combinations:

skills blending, device communication, gap between hardware and software, embedded systems, compliance, adjustments, data flow, vulnerability assessments, tangible impact, hands-on work.

Task 5. Look at the adjectives below and make word combinations with them. Ask other students to make sentences with your word combinations. Correct the mistakes in the sentences if there are any.

Task 6. Correct the mistakes in the word combinations below. Then roleplay the dialogue with corrected word combinations where you discuss why IoT engineer job can be exciting.

act unique on data, validate to blend systems, entry-levelling engineers, to power constrainting, midded leveled engineers, hands-on technology working, embed systemized engineers, acting intelligent, tangible impacted, to keeping pacing with technology advancements

Task 7. Match the words to make word combinations.

1	at the	A	IoT solutions
2	embedded	B	forefront
3	to deliver comprehensive	C	mechanisms
4	mid-level	D	prowess
5	cohesive	E	systems
6	data	F	constraints
7	boot	G	systems

8	data processing	H	engineers
9	engineering	I	flow
10	to power	J	pipelines

Task 8. Read the article "What is a IoT Engineer?" (https://www.tealhq.com/career-paths/iot-engineer) and make 7 questions dealing with the text. Ask your partner the questions you have made and check the answers.

Task 9. Study the Grammar Appendix for Unit 1.3. and learn the rules of Gerund and Infinitive use.

Task 10. Divide the words below into three columns:

look forward to, agree, fancy, involve, postpone, should, ought to, let, make, decide, expect, hope, waste, too, last, anxious, suggest, prevent, could, reluctant, eager, enjoy, hate, like, spend.

verbs after which we use infinitives	verbs after which we use bare infinitives	verbs after which we use gerunds

Task 11. Make your own sentences where you use the verbs from Task 10. Ask you partner to correct the mistakes if there are any.

Task 12. Study the article once more and make notes about the most important responsibilities IoT engineers have. Present your ideas to the audience using gerunds, infinitives and bare infinitives. Which IoT engineer job do you find the most prospective one? Why? Discuss it with other students.

CHAPTER II. WEB DEVELOPER CAREER

UNIT 2.1. Web developer's responsibilities

Task 1. Look at the pictures. What do they have in common?

Task 2. What other things can a web developer do? Note your ideas and roleplay a dialogue with your partner. Present your dialogue making a mind-map with web developer's products.

Task 3. Look through the article "What Does a Web Developer Do?" (https://brainstation.io/career-guides/what-does-a-web-developer-do). Write down the words you don't know and try to guess their meanings from the article.

Task 4. Consult the dictionary to check your suggestions about words' meanings. Make a short vocabulary with your own examples. Then exchange vocabularies with your partner and check it for any mistakes in grammar. Learn the words from your partner's vocabulary if there new for you.

Task 5. Study the Vocabulary Appendix for Unit 2.1. and make your own example to use new words.

Task 6. Read the article "What Does a Web Developer Do?" (https://brainstation.io/career-guides/what-does-a-web-developer-do) and answer the questions below:

1.   What is a web developer responsible for?
2.   What do web developers specialize in?
3.   What do web developers work on?
4.   What languages do web developers use to write code?
5.   What is the difference between a front-end developer and a back-end developer?
6.   What kind of daily routine do web developers have?
7.   What skillset should a good wev developer obtain?

Task 7. Study the Grammar Appendix for Unit 2.1. and make your own sentences with comparative and superlative adjectives.

Task 8. Correct the mistakes in the sentences below:

1. *This programming language is the more useful I have ever seen.*
2. *Mobile application is the simplest than a professional website.*
3. *That work was most frustrating I have ever experienced.*
4. *This element is more typical in thi system.*
5. *Front-end developer is most responsible that back-end developer.*
6. *Who is more skilled here?*
7. *They specialize on the smallest tasks more than on bigger ones.*

Task 9. Describe a usual day a web-developer has. Is it possible to improve web developer's routine? How? Use sentences with comparative and superlative adjectives.

Task 10. Ask your partner to describe everyday lives of people who have different jobs. Guess, whose daily routine belongs to a web developer's one.

Unit 2.2. Becoming a web developer

Task 1. Discuss what you see in the pictures. Think how these pictures relate to having a successful career.

Task 2. Outline your ideas how to become a web developer. Single out 5 important steps you need to take in order to get a web developer's job and number them 1-5 (1 – the most important).

Task 3. Study the Vocabulary Appendix and learn new words.

Task 4. Match the words to make word combinations.

1	coding	A	transitions
2	mid-career	B	retraining
3	skills	C	on these trends
4	mid-career	D	from
5	riveting	E	development
6	to get a handle	F	fields
7	apart	G	format
8	full-stack	H	queries
9	burgeoning	I	bootcamps
10	single-line	J	expansion
11	search	K	knowledge
12	thorough	L	story

Task 5. Find the synonyms to the words below:

immersive, outcomes, riveting, flawless, burgeoning, thorough, accomplished, stringent.

Task 6. Find the antonyms to the words below:

fast-track, expansion, equal, messy, standalone, influx, to brush up, through, single-line, user-centered design, unexpected.

Task 7. Unscamble the words below:

cdngio, fomart, cearer, sptliogth, jgerngtuau, depnee, breschae, pryxo, wodsnuorkr.

Task 8. Read the article "How to Become a Web Developer" (https://brainstation.io/career-guides/how-to-become-a-web-developer) and make questions an employer would like to ask a prospective candidate according to the article.

Task 9. Roleplay an interview with your partner and ask questions you have made in Task 4. Then change the roles and answer the questions your partner has prepared for a candidate.

Task 10. Study the Grammar Appendix for Unit 2.2 and make your examples with construction have something done.

Task 11. Rewrite the sentences where it is possible using a construction have something done.

1. *My project was built by this web developer.*
2. *I coded these lines without anyone's help and I did it.*
3. *This company brushed up our content from all Internet resources.*
4. *Their specialists designed my page for trading last month.*
5. *Some skills can't be upgrated in a minute.*
6. *This work involved more efforts than you had expected.*
7. *They found some workarounds for me last Monday.*

Unit 2.3. On the way to web developer job

Task 1. Look at the picture below and think how a web developer job deals with these companies.

Task 2. Look through the article "What Companies Hire Web Developers" (https://brainstation.io/career-guides/what-companies-hire-web-developers) and answer the questions below:

1. *What brands require web developers?*
2. *What is a big source for web developer employment?*
3. *Which cities are mentioned as a place with a strong tech support?*
4. *Is there any opportunity for remote work? Why?*
5. *How many jobs are available for developers in North America?*
6. *How many new jobs in this field were created within last two years?*
7. *Is a job market for web developers going to be grown?*

Task 3. Look at the pictures and guess what you need on order to get a great web developer portfolio. What makes a bright portfolio? What aspects are not worth being included into a portfolio?
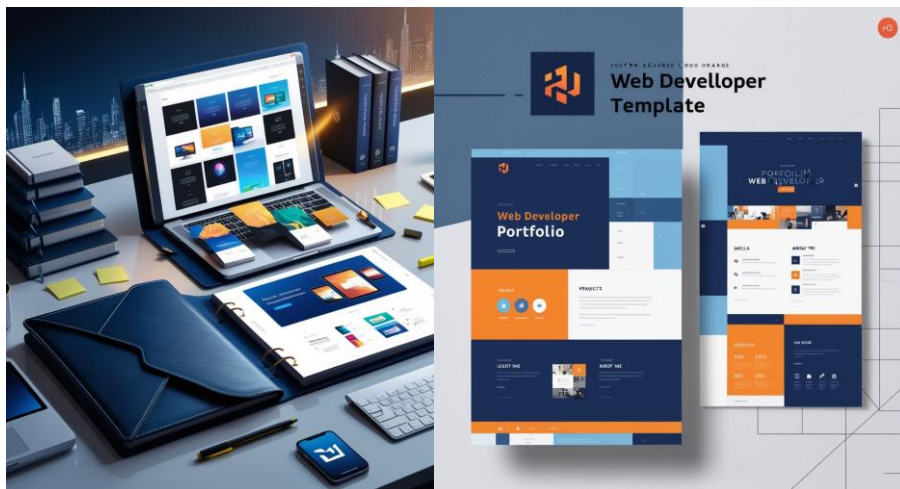
Task 4. Study the Vocabulary Appendix and learn new words.

Task 5. Read the article "How to Build a Web Developer Portfolio?" (https://brainstation.io/career-guides/how-to-build-a-web-developer-portfolio). Create your pyramid with given pieces of advice. Place them from the most important ones at the base to the least important on the top. Explain your choice.

**My Pyramid with Pieces of Advice
for a Web Developer Portfolio**
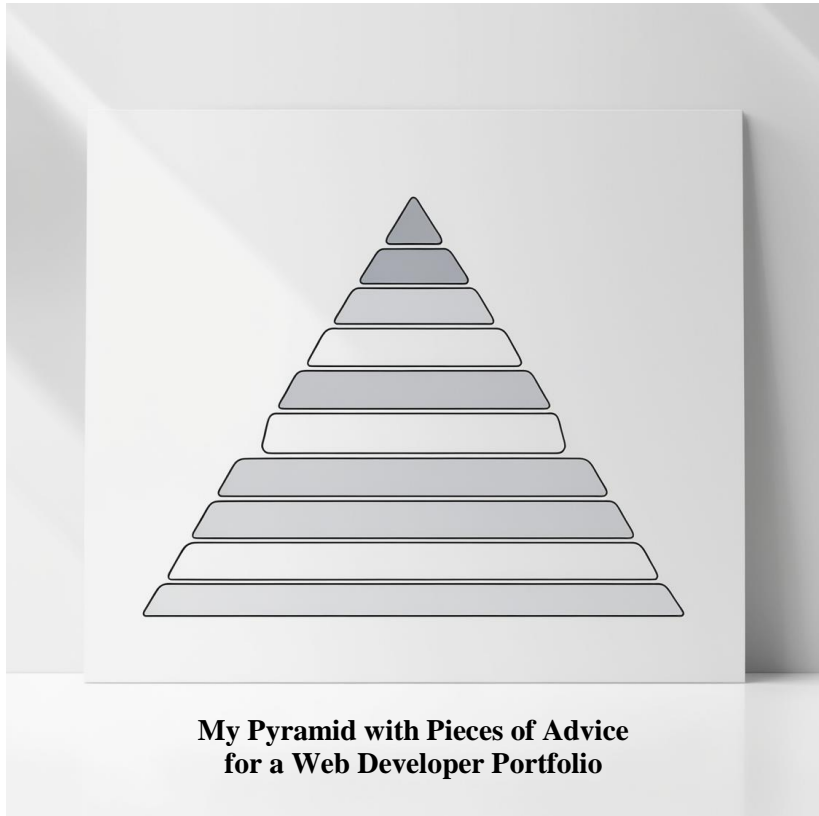
Task 6. Listen to other students' speeches while they are presenting their pyramids. Make the notes and get ready with your questions to clarify some aspects you are interested in. Correct the mistakes you hear if there are any.

Task 7. Read the article "Web Developer Cover Letter Templates and Examples" (https://brainstation.io/career-guides/web-developer-cover-letter-templates-and-examples) and answer the questions below:

1. What is a web developer cover letter?
2. Why is it so important to customize your cover letter?
3. Is it worth highlighting both technical skills s well as soft skills? Why?
4. How to quantify your accomplishments?
5. What is the aim to include a link to your portfolio?
6. How to research the company you want to be employed?
7. How many words should a web developer cover letter be around?
8. What kind of mistakes should you check a cover letter for?
9. List the aspects you may present in your cover letter.
10. What does a general outline for a web developer cover letter include?

Task 8. Read the article again and complete the chart below with the information you have focused on.

Parts of a cover letter	Information to include
Heading	
Greeting	
Introduction	
Skills	
Experience	
Reasons for applying	
Closing	

Task 9. Study the samples for web developer cover letters (https://brainstation.io/career-guides/web-developer-cover-letter-

). Find the parts you singled out from Task 8 in the given samples. Write down word clichés used in these samples and compare your findings with other students.

Task 10. Imagine that you are a web developer. Think of your education, technical and soft skills, previous experience and accomplishments. Think of a company you would like to apply for a web developer position. Write your cover letter (up to 300 words) and customize it according to the requierements the chosen company has got. Check it for grammar and spelling mistakes. Share your cover letter with other students and let them find any mistakes and correct them. Learn the rules concerning with the mistakes in order to avoid any inaccuracies in other writings.

Task 11. Read ther article "Web Developer Resume Examples" (https://brainstation.io/career-guides/web-developer-resume-examples) and fill in the gaps in the sentences below:

1. Specialists in web developing are in high … now.
2. Resume shows how … a candidate for a company can be.
3. You should … on your key skills in a resume.
4. The more you study about the company you want to apply for, the better your resume will be … .
5. A good resume is a … of your experiences, skills and achievements.
6. While reading your resume an employer should get … of what you can do for the company.
7. Jest, APIs, user interface, responsive design and others are … skills for web development.
8. HTML, CSS, Ruby, PHP belong to the most … programming languages.
9. Time … is one of the most requirable soft skills in web development.
10. Communication, adaptability, visual …, collaboration and enthusiasm are considered as necessary soft skills.

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Task 12. Study web developer resume templates (https://brainstation.io/career-guides/web-developer-resume-examples) and complete the chart below with your information.

Name of a resume paragraph	Information you can include in a paragraph
Profile	
Experience	
Education	
Skills	
Projects	
Awards	
Activities	

Task 13. Study key resume takeaways for a web developer and present some pieces of advice to write a stand-out resume. Discuss why these points are important.

Task 14. Write a web developer resume according to given pieces of advice in Task 13. Check your resume for grammar and spelling mistakes. Share your resume with other students and let them find any mistakes and correct them. Learn the rules concerning with the mistakes in order to avoid any inaccuracies in other writings.

Task 15. Search for the definitions for the following terms and get ready to explain what they mean.

ETag, Big-O Notation, CSS Selectors, HTML5 Web Storage, Page Visibility API, Type Coercion

Task 16. Read common questions a web developer can be asked during an interview. Get ready with answers and roleplay the interview with your partner asking and answering the questions. Listen to other dialogues and decide which one was the most efficient for an employer and a candidate. Why?

CHAPTER III. DIFFERENT JOBS IN IT

UNIT 3.1. Big Data Engineer

Task 1. Look at the pictures. Do you know anything about these universities? What fields can you study there?
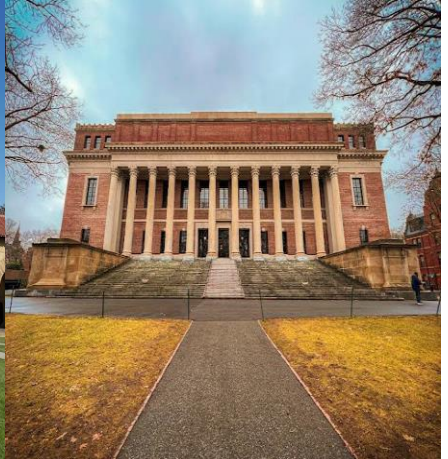
Task 2. Listen to the song "Virtual Insanity" by Jamiroquai (https://www.youtube.com/watch?v=4JkIs37a2JE). What is it about? Why does the singer say that things are changing for the worse?

Task 3. Listen to the song once more and write down as many words as you hear. Share your notes with other students and let them check spelling mistakes you have made.

Task 4. Read the lyrics of this song and answer the questions below:

1. *What is he giving to this world?*
2. *What can we always do?*
3. *What are we immersed in?*
4. *What can every mother do?*
5. *Why is it important to find a new religion?*
6. *What is worse than a man-made man?*

Task 5. Study the Grammar Appendix about Past Simple Tense and Pas Perfect Tense. Make your own sentences with these tenses.

Task 6. Read the comments to the song above. Find the most impressive and explain why. Write your comment to this song using Past Simple Tense and Past Perfect Tense.

Task 7. Study the Vocabulary Appendix and learn new words and word combinations.

Task 8. Match the words to make word combinations.

1	opt	A	sets
2	Large data	B	to
3	BLS	C	warehousing
4	Data mining and	D	projections
5	data	E	modeling
6	IBM's data	F	engineering

Task 9. Get ready to explain what the following tems mean:

career guide, ZipRecruiter, scalability, the ETL process, BLS, SQL, IBM, professional certification, CCP, CBDP

Task 10. Read the article "What Is a Big Data Engineer? A 2024 Career Guide" (https://www.coursera.org/articles/big-data-engineer) and answer the questions below:

1. *What is a big data engineer responsible for?*
2. *Why can big data be so beneficial?*
3. *Is a big data engineer busy with creating structured data solutions?*
4. *How much is an average salary of a big data engineer?*
5. *Who can a big data engineer collaborate with?*
6. *What two categories do the job of a big data engineer belong to?*
7. *Which skills are mentioned in the article as highly demanded for a big data engineer?*
8. *Why is it so important to get a diploma for becoming a big data engineer?*
9. *Which different ways are mentioned to get a work experience?*
10. *Which certificates could be helpful while getting a job of a big data engineer?*

Task 11. Search for the most famous big data engineers. Explore their life stories and work experience. Was it successful? Why?

Unit 3.2. Data Analyst Job

Task 1. What is data analytics? Have you ever dealt with it? Is it profitable enough to concern you career with data analytics?

Task 2. Study the Vocabulary Appendix for Unit 3.2. and learn new words. Make sentences with new words,

Task 3. Study the Grammar Appendix and make your own sentences using new words from Task 3 and Future Simple Tense, Future Continuous Tense, Future Perfect Tense and Future Perfect Continuous Tense.

Task 4. Watch the video "An Introduction to Data Analytics" (https://www.coursera.org/articles/what-does-a-data-analyst-do-a-career-guide) and fill in the gaps below:

1. *I define data analytics as the … of collecting information and analyzing that information to confirm various hypothesis.*
2. *Using data to clearly and concisely … the state of the world to the people around.*
3. *Data analysis is the use of information around you to make … .*
4. *Data analysis isn't an … concept, it's something that we do naturally, but it has a technical name.*
5. *The process starts from … the problem and then you need to create your own hypothesis.*
6. *To … that, you need to collect data, clean data, analyze data and then present it to the key stakeholders.*
7. *Data analytics is really any … of data that you can use to review information, anything that's going to help you to understand what is going on.*
8. *I'm always analyzing data to … where someone's been, where they are right now, and where they're headed.*
9. *That data helps me to see … and almost predict the future of any company that I'm working with.*

10. Data analytics is the collecting, cleansing, analyzing, presenting, and ultimately … of data and your analysis to be able to help communicate exactly what's going on with your business, what's going on so that you can help make better decisions.
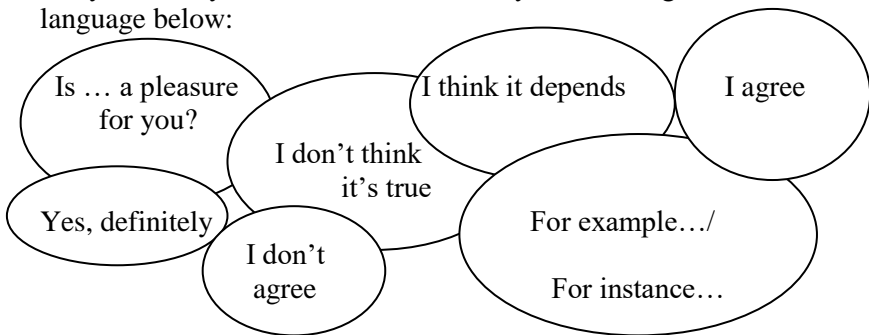
11. I would define data analytics as a process or better a … of taking information gathered from a relevant population, maybe your customers or social audience, and breaking that information down into subsets, and using that data to make decisions about products or services that you want to offer, or in cases of the digital environment that we're in, making decisions about certain pieces of content that you want to publish so that it … to your target audience.

Task 5. Read the article "What Does a Data Analyst Do? Your 2024 Career Guide" (https://www.coursera.org/articles/what-does-a-data-analyst-do-a-career-guide) and complete the chart below. Get ready to discuss the information you have singled out with other students. Compare your key notes. Are they the same? Why? Why not?

No.	Key aspects	Detailed information
1	Phases to analyze data	
2	Gathering data	
3	Cleaning data	
4	Modeling data	
5	Interpreting data	
6	Presenting data	
7	Tools to use	
8	Salary to get	
9	Medical and health care analyst	
10	Market research analyst	
11	Business analyst	
12	Business intelligence analyst	
13	Operations research analyst	

14	Intelligence analyst	
15	Maintaining database tools	
16	Learning programming languages	
17	Visualizing data	
18	Obtaining statistics and math knowledge	
19	Abilities for problem solving	
20	Being able to communicate	
21	Obtaining industry knowledge	
22	Getting professional certificate	
23	Having bachelor's degree	
24	Starting self-study	
25	Career prospects	

Task 6. Roleplay a dialogue with your partner and discuss the most significant points in the article above, which information was new and which not, what motivates you on the way to become a data analyst, what you are afraid of and why. Don't forget about useful language below:

Is … a pleasure for you?

I think it depends

I agree

I don't think it's true

Yes, definitely

I don't agree

For example…/

For instance…

Task 7. Match the shortenings with their meanings.

1	WiFi	A	Gigabyte
2	LED	B	Consumer Value Stores
3	GPS	C	Frequently Asked Questions
4	USB	D	Zone Improvement Plan
5	SMS	E	Wireless Fidelity
6	PDF	F	Bayerische Motoren Werke
7	GB	G	Ingvar Kamprad Elmtaryd Agunnaryd (founders)
8	WWW	H	Personal Identification Number
9	SIM	I	Universal Serial Bus
10	ATM	J	United Nations International Children's Emergency Fund
11	FAQ	K	Subscriber Identity Module
12	IQ	L	International Business Machines
13	SOS	M	Obsessive Compulsive Disorder
14	OCD	N	American Telephone and Telegraph
15	LAZER	O	Light Emitting Diode
16	CVS	P	The International Magazine of Events
17	M&M's	Q	Repondez, s'il vous plait (French for: please, reply)
18	YAHOO	R	Global Positioning System
19	ZIP (code)	S	Mars & Murrie's (founders)
20	R.S.V.P.	T	British Broadcasting Company
21	BMW	U	Portable Document Format
22	NERF	V	Non Expandable Recreational Foam
23	GIF	W	World Wide Web
24	IKEA	X	Short Message Service
25	TIME (magazine)	Y	Graphic Interchange Format
26	BBC	Z	Intelligent Quotient
27	AT&T	a	Yet Another Hierarchical Official Oracle
28	PIN	b	Save Our Soul/Ship
29	IBM	c	Light Ampfilication by Stimulated Emission

			of Radiation
30	UNICEF	d	Automatic Teller Machine

Task 8. Make your sentences using the shortenings above and Future Simple Tense, Future Continous Tense, Future Perfect Tense, Future Perfect Continuous Tense. Read the first half of your sentence and let your partner guess the second part. Check if they are the same. Change the roles and guess your partner's halves.

Unit 3.3. DevOps Engineer

Task 1. Look at the picture and guess what job this man has. What do you know about DevOps engineer? What advantages and disadvantages does this job have? Would you like to work as a DevOps engineer?

Task 2. Watch the video "DevOps Engineer Roadmap 2024. DevOps Engineer Career Path for 2024" (https://www.youtube.com/watch?v=o0do5clzmvM) and make notes

about key points. Pay attention to the speaker's accent. What can you say about it?

Task 3. Study the Vocabulary Appendix and learn new words.

Task 4. Watch the video again and complete the chart below:

Key moments	Detailed information
What is DevOps?	
Skills	
Linux	
Jenkins CI/CD	
Docker and Docker Swarm	
Kubernetes	
Cloud Platforms	
Version Control Systems	
Monitoring and Logging	
Responsibilities	
Collaboaration	
Monitoring and Performance	
Release Management	
Continuous Integration and Deployment	
Troubleshooting and Support	
Continuous Improvement	
Security Compliance	

Salary	
Companies Hiring	

Task 5. Watch the video once more with dimmed sound and try to present key information from the video being a speaker. Use the Vocabulary Appendix and notes you have already made. Listen to othwer students' presentations and make notes about their mistakes if there are any. Correct the mistakes and discuss the appropriate rules. Then change the roles.

Task 6. Study the chart below. Match weak phrases from the first column with corresponding strong phrases from the second column.

1	I like it	A	My pleasure
2	Goodbye	B	It's pleasant
3	You first	C	Apologies accepted
4	You're welcome	D	I'm exploring
5	Tell me	E	I believe
6	Shut up	F	See you soon
7	I don't know	G	After you
8	I'm sorry	H	I'm listening
9	I think	I	Let me find out
10	I'm lost	J	Be quiet
11	I'm tired	K	I'll give it my best shot
12	I don't care	L	It doesn't matter to me
13	I can't do it	M	Assistance would be appreciated
14	I need help	N	I could use some rest
15	I have to	O	I could use a meal
16	I guess	P	I have prior commitments
17	I'm hungry	Q	That has my interest
18	I'm busy	R	I choose to
19	I want that	S	I'm doing well
20	I'm fine	T	I'm certain

Task 7. Ropleplay the panel discussion and use the phrases from the second column above and information from the video. Discuss key skills and responsibilities DevOps engineers have, how much they earn and where they can work.

Task 8. Make your own sentences using new words from the Vocabulary Appendixes and phrases from Task 6.

Task 9. Study the article "History of DevOps" by Ian Buchanan (https://www.atlassian.com/devops/what-is-devops/history-of-devops). Get ready with your mini-project (any format is available, your imagination and creativity will be highly appreciated and welcomed) where you present the following key points:
- History of DevOps;
- Key Benefits of Being DevOps;
- Culture DevOps Engineers Follow;
- Where to Implement DevOps Work?
- Key DevOps Tools.

Task 10. Listen to students' projects carefully. Get ready with your Wh-questions to clarify any information and noted mistakes if there are any. Then change the roles and present your own project.

VOCABULARY APPENDICES

Vocabulary Appendix for Unit 1.1.

No.	Lexical unit	Translation	Use in a sentence
1	to leverage the innovation for a project	використовувати інновації для проекту	*We are always leveraging the innovation for all projects! I'm fed up with it!*
2	to use cases across various industries	використову-вати випадки в різних галузях	*It's better to study numerous cases across various industries in order to get more experience how to use this equipment.*
3	a cloud access control and management app	додаток для контролю та керування доступом до хмари	*A cloud access control and management app is developed by our specialists and nobody complained.*
4	to leave no industry untouched	не залишати без уваги жодну галузь	*IoT leaves no industry untouched. That's unbelievable.*
5	rapid adoption	швидкий вибір	*Rapid adoption attracts more consumers than time-consuming authorization.*
6	to extend to	поширюватися на	*This rebellious behavior can extend to other teams; it can harm our team's ethics at all.*
7	exponential growth	експонентне зростання	*Exponential growth shows how important*

			these steps are.
8	surpass	перевершити	*This fast progressing need even surpasses all predicted numbers.*
9	ubiquitous phenomenon	повсюдне явище	*IoT is an umbiquitous phenomenon now.*
10	market value	ринкова вартість	*Market value for this company is much more expensive than you have announced.*
11	skyrocketing	стрімко зростаючий	*IoT development is a skyrocketing thing that wasn't expected.*
12	smart meters, sensors, and devices	розумні лічильники, датчики та пристрої	*Smart meters, sensors, and devices make you life easier that it was before, don't they?*
13	industrial IoT solutions	промислові рішення інтернету речей	*Industrial IoT solutions have become cutting-edge approaches to the things that have been considered to stay unchangeable.*
14	predictive maintenance	прогнозне обслуговуван-ння	*Predictive maintenance makes our plans sound better.*
15	remote monitoring of assets	віддалений моніторинг активів	*Remote monitoring of assests allows the owners to stay abroad and control all cash flows.*
16	supply chain operations	операції ланцюга поставок	*Supply chain operations are controlled by our government.*

17	better-informed decisions	більш обґрунтовані рішення	*Better-informed decisions come to mind in the morning. Don't exhaust your head at night.*
18	efficient resource usage	ефективне використання ресурсів	*Efficient resource usage is a key task for green companies.*
19	to enhance	покращити	*To enhance your ranking indicators you need to stop complaining and start working.*
20	access control	контроль доступу	*He doesn't have any access control. Don't lie!*
21	granting or revoking access permissions	надання або скасування дозволів доступу	*The right of granting or revoking access permissions isn't given to anyone except of you.*
22	wearables	гаджети, які можна носити на тілі чи одязі	*I want to get information about all wearbles available in Europe.*
23	user access patterns	шаблони доступу користувачів	*User access patterns aren't developed for freshmen.*
24	to detect leaks	виявити витоки	*IoT gives the possibility to develop devices to detect leaks of information in this changeable world.*
25	to control appliances, blinds, locks, and	контролювати побутову техніку,	*If you bought a smart house, you could control appliances,*

	other devices	жалюзі, замки та інші пристрої	*blinds, locks, and other devices.*
26	to monitor health metrics	стежити за показниками здоров'я	*Install this app to be able to monitor your health metrics.*
27	real-time surveillance	спостереження в реальному часі	*Real-time surveillance is a cool idea for farmers. However, it's an expensive thing as well.*
28	distributed	поширений	*The results of the survey were distributed immediately after the project ending.*
29	smart metering solutions	інтелектуальні рішення для вимірювання	*Smart metering solutions are used while smart houses construction.*
30	accurate billing	точне виставлення рахунків	*Accurate billing is what a smart house provides.*
31	sustainable consumption	стійке споживання	*IoT shows how modern consumers are addicted to sustainable comsumption when they can't stop demonstrating their income in social media.*
32	product inventory levels	рівні товарних запасів	*Different countrie have different product inventory levels.*
33	viable application	життєздатне застосування	*Develop those apps than can be provided*

			with a vialble application.
34	to stand out with the following features	виділятися такими функціями	*If you want to stand out with the following features, develop software that has never been heard about.*
35	vehicle-to-vehicle communication	зв'язок між автомобілями	*Intelligents cars stand out with vehicle-to-vehicle communication.*
36	potential threats	потенційні загрози	*We should forecast potential threats and consider all risks we can face.*
37	collision avoidance	уникнення зіткнення	*His software helps with collision avoidance.*
38	comprehensive IoT solutions	комплексні рішення інтернету речей	*Comprehensive IoT solutions can't be announced before we check everything.*
39	to contribute to	сприяти	*If you want to contribute to our achievements, stay calm and start working.*
40	telemetry data collection	збір телеметричних даних	*Telemetry data collection is possible due to IoT services.*
41	to embrace	охоплювати	*To embrace all websites you need to learn targeting audience.*
42	technology's	універсальність	*Technology's*

	versatility	технології	*versatility is a key for our prosperity.*
43	robust automation	надійна автоматизація	*Robust automation protects us from cyberattacks.*
44	unbeatable IoT system	неперевершена система інтернету речей	*Unbeatable IoT system is great to use everywhere if you want to succeed.*

Vocabulary Appendix for Unit 1.2.

No.	Lexical unit	Translation	Use in a sentence
1	to revolve around	обертатися навколо	*This chair can revolve around, it's comfortable.*
2	to be tackled by	бути вирішеним	*Some things can't be tackled by one person.*
3	to reinvent	винаходити заново	*If he could reinvent a bike, he would definitely do it.*
4	to leverage	використову-вати	*To leverage extra services you need to install new software.*
5	middleware layer	рівень проміжного програмного забезпечення	*Let's discuss middleware layer.*
6	predictability	передбачува-ність	*Your predictability sometimes irritates everyone.*
7	compatibility	сумісність	*These devices can't guarantee their compatibility.*
8	adaptability	здатність пристосовував-	*This software adaptability is*

		тися	*extremely important for new models.*
9	diverse	різноманітний	*Diverse market requires various jobs.*
10	scope of coverage	обсяг покриття	*Scope of coverage is quiet big, so don't worry about connection.*
11	indispensable	незамінний	*This program is indispensable; we won't cope with this task.*
12	encryption	шифрування	*I can't fix mistakes in encryption.*
13	scaling the platform	масштабування платформи	*Scaling the platform is your task. Just do it!*
14	to accommodate	розмістити	*I don't know ehere to accommodate these people.*
15	to execute	виконувати	*Software executes the given tasks within codes you have written.*
16	intended purpose	цільове призначення	*The intended purpose of this program is to disseminate the research results among all establishments.*
17	distinct groups	окремі групи	*Distrinct groups can participate in this project but not more than 20.*
18	spotlight	прожектор	*Don't use any spotlights in this game!*

19	edge computing	периферійні обчислення	Edge computing is difficult but AI can help you.
20	retail	роздрібна торгівля	Retail is profitable but not with this partner.
21	undeniable	незаперечний	Undeniable feature of this program is fast connection with all devices nearby.
22	scalable solutions	масштабовані рішення	Scalable solutions are possible but not obligatory.
23	platform-as-a-service (PaaS)	платформа як послуга (ПяП)	PaaS is requested by our clients every day. Start working now!
24	endpoint data management capabilities	можливості керування даними кінцевої точки	Endpoint data management capabilities are included in this software as well.
25	workflow automation	автоматизація робочого процесу	Workflow automation is a characteristic feature of any state establishment in Europe.
26	minimal latency	мінімальна затримка	We are able to finish this project on time with minimal latency.
27	formerly known	раніше відомий	This web developer is formerly known as AcuSat.
28	edge-to-cloud solution	рішення від периферії до хмари	Please, code or ask for any help dealing with edge-to-cloud solution.
29	large-scale deployments	широко-масштабні	Large-scale deployments aren't

		розгортання	*our priority tasks.*
30	top-notch security	безпека найвищого рівня	*Top-notch security is what our cyberarmy promises.*
31	to cater	обслуговувати	*To cater this website is the most complicated task I have been given.*
32	to break down into distinct categories	розбити на окремі категорії	*Break down this material into distinct categories and select the most important figures.*
33	all-in-one toolkits	універсальні набори інструментів	*All-in-one toolkits are available on this website. Choose any and I'll pay for it.*
34	event-triggered code execution	виконання коду, викликаного подією	*Event-triggered code execution can take a little bit more time than we expected.*
35	device-to-cloud communication	зв'язок між пристроєм і хмарою	*I don't know anything about device-to-cloud communication. Please, help.*
36	to handle millions of devices	працювати з мільйонами пристроїв	*This staff can handle millions of devices simultaneously. They are unbelievable!*
37	blockchain	блокчейн	*Find a blockchain and don't panic.*
38	transparency in operations	прозорість операцій	*This check up needs transparency in operations.*
39	generic category	родова категорія	*Don't rely only on generic category. Study all operations*

			carefully and after that start working with generic category.
40	to excel in	перевершити в	This software can excel in scales but not in a quality.
41	to be customized	бути налаштованим	All devices are customized but not checked.
42	extensive user interaction	широка взаємодія з користувачем	We hire a person to get an extensive user interaction.
43	to reduce downtime	скоротити час простою	In order to reduce downtime you need to try to employ more developers.
44	supervision	нагляд	His supervision is not obligatory.
45	regulatory compliance	відповідність нормативним вимогам	Regulatory compliance is what we must provide if we want to avoid any problems.
46	interoperability	сумісність	Interoperability is their first demand. How to cope with this stuff?
47	compatible devices	сумісні пристрої	We buy only compatible devices if we want to work without any difficulties.
48	third-party manufacturers	сторонні виробники	I don't want to apply to any third-party manufacturers. They aren't reliable.

49	end-to-end solutions	комплексні рішення	*After coding I decided to discuss end-to-end solutions.*
50	firmware development	розробка прошивки	*Firmware development takes more time than just coding.*
51	decent examples	гідні приклади	*Find decent examples to show that your idea is worth implementing.*
52	to comply with	дотримуватися	*They need to comply with necessary rules if they want to gwet our support.*
53	utility services	комунальні послуги	*I don't want to pay for any utility services; it's too expensive.*
55	out-of-the-box functionality	функції, запропоновані розробником	*This company can attract other partners because of its out-of-the-box functionality.*
56	to speed up time-to-market	прискорити час виходу на ринок	*Please, speed up time-to-market for this product.*
57	fast setup	швидке налаштування	*Improve fast setup if you have time.*
58	to ease	спростити	*I have a task to ease this software.*
59	to simplify connecting devices	спростити підключення пристроїв	*After I had simplified connecting devices I started checking up.*
60	service level agreements (SLAs)	угоди про рівень обслуговування (УРО)	*Let's sign service level agreements and launch new stage in our career.*
61	unexpected	несподівані	*Last winter we had*

	outages	відключення	*some unexpected outages dealing with the Internet connection.*
62	compliance requirements	вимоги відповідності	*Look through compliance requirements and say if you agree or disagree.*
63	cloud vendors	хмарні постачальники	*Find new cloud vendors and it can lose our problems.*
64	turnkey	повністю готовий	*It's almost turnkey. Give me five secons!*
65	to meet specific business needs	задовольняти конкретні потреби бізнесу	*This software can meet all specific business needs. That's why it is gaining more and more popularity.*

Vocabulary Appendix for Unit 1.3.

No.	Lexical unit	Translation	Use in a sentence
1	a unique blend of skills	унікальне поєднання навичок	*A unique blend of skills differs him from other candidates.*
2	to act on data	діяти на основі даних	*We should act on data not on emotions.*
3	a pivotal role	ключова роль	*A pivotal role of this software os to ptotect us from a cyberattack.*
4	seamless device communication	безперебійний зв'язок пристрою	*Seamless device communication is a significant feature especially during the*

			war time.
5	to redefine	знайти нове визначення	*Even if you redefine this notion, problem won't disappear.*
6	at the forefront	на передовій	*There are some unsolved problems with weapon transferring at the forefront.*
7	responsive	одержаний у відповідь	*We appreciate your responsive help but it isn't enough to stay calm.*
8	bridging the gap between hardware and software	подолання розриву між апаратним і програмним забезпеченням	*His responsibility now is to provide us with bridging the gap between hardware and software.*
9	advancement of smart technology applications	просування додатків інтелектуаль-них технологій	*We are dealing with advancement of smart technology applications.*
10	embedded systems	вбудовані системи	*These engineers shave been studying embedded systems for 2 months.*
11	to deliver comprehensive IoT solutions	надавати комплексні рішення інтернету речей	*Trust some specialists if you want to deliver comprehensive IoT solutions.*
12	validating IoT systems	перевірка систем інтернету речей	*Validating IoT systems takes some time, so we don't need to hurry up.*
13	to troubleshoot	усунути	*I suggest*

		несправності	*troubleshooting instead of complaining.*
14	compliance	відповідність	*Let's find some compliance and after that discuss the differences.*
15	adjustments	коригування	*This program needs some adjustments before releasing.*
16	abreast	на одній лінії	*It's better to work abreast. Then we have a chance to win.*
17	entry-level IoT engineers	інженери початкового рівня інтернету речей	*Entry-level IoT engineers could be easily found but is it worth?*
18	mid-level engineers	інженери середньої ланки	*Mid-level engineers had been employed before you started your work here.*
19	to breakdown	ламати	*It is easier to breakdown than to start.*
20	hands-on technical work	практична технічна робота	*Hands-on technical work wasn't so attractive, so they gave up.*
21	cohesive systems	когезійні системи	*He can't work with cohesive systems because of his lack of knowledge.*
22	data flow	потік даних	*There was some problem with data flow.*
23	to oversee	переглядати	*We don't have time to*

			oversee all these decisions.
24	embedded system engineers	інженери вбудованих систем	*If you want to become an embedded system engineer, study more and try your first working experience.*
25	to power constraints	обмежувати потужність	*This device can't power constraints. That's impossible.*
26	actuators	приводи	*Push actuators and then the engine will start.*
27	crucial	вирішальний	*His last action was crucial for their relationships.*
28	tangible elements	матеріальні елементи	*You can't forget about tangible elements while working with an augmented reality.*
29	proliferation	поширення	*Provide us with an effective data proliferation.*
30	vulnerability assessments	оцінка вразливості	*We need to get the result dealing with vulnerability assessments.*
31	security breaches	порушення безпеки	*Check how security breaches work.*
32	boot mechanisms	завантажува-льні механізми	*Boot mechanisms don't function properly.*
33	data processing pipelines	конвеєри обробки даних	*We haven't seen these data processing pipelines.*
34	actionable	дієвий інтелект	*Actionable intelligence*

	intelligence		*can help us with these operations.*
35	to converge	зводити докупи	*You have already got all codes, please, converge them.*
36	engineering prowess	інженерна майстерність	*I wonder because of your engineering prowess.*
37	fair amount of time	досить багато часу	*You have got fair amount of time. Why isn't it finished?*
38	hands-on work	практична робота	*Your hands-on work doesn't satisfy our boss. Think what to do.*
39	to tackle	братися за справу	*I want to tackle this problem. However, I haven't any idea how.*
40	tangible impact	відчутний вплив	*They felt parents' tangible impact.*
41	immense	величезний	*The immense data flow can't be downloaded in a minute.*
42	scope and scale	обсяг і масштаб	*Think of scope and scale this project could have.*
43	to keep pace with technological advancements	йти в ногу з технологічним прогресом	*There are so many competitors that we should keep pace with technological advancements.*
44	fast-paced nature demands	швидкі вимоги природи	*Fast-paced nature demands highlight the importance of ecological changes.*
45	agile	спритний	*He was an agile guy.*

46	to grapple	боротися	*We will grapply until we win.*
47	to thwart	зірвати	*He thwarted what we had done. Than't unbelievable!*
48	to evolve	розвиватися	*He tried to evolve but gave up after that accident.*

Vocabulary Appendix for Unit 2.1.

No.	Lexical unit	Translation	Use in a sentence
1	highly-sought-after professionals	затребувані професіонали	*We need only highly-sought-after professionals.*
2	layout	макет	*Present your layout to see how it looks.*
3	swiping functionality	функціональ-ність гортання	*This website has extremely bad swiping functionality.*
4	scrolling dimensions	прокручування розмірів	*Scrolling dimensions isn't available. Fix that bug.*
5	wireframe design	каркасна конструкція	*We are interested in better wireframe design than you offer.*
6	responsiveness	одержання у відповідь	*Your responsiveness is appreciated but it isn't the main point.*
7	glitches	глюки	*Don't you see these glitches?*
8	drastically	різко	*He fixed glitches and drastically everything started working.*
9	chore	рутинна робота	*This work is some kind*

			of chore.
10	genuinely	щиро	*I genuinely wonder how you had coded with those engineers.*
11	fiddling with	возитися з	*Nobody likes fiddling with glitches.*
12	leave off	залишити	*Go on from the place you left off.*
13	keep digging	продовжувати копати	*Keep digging and you'll find the solution.*
14	ultimately	зрештою	*This program is ultimately about the price not convenience.*
15	top of mind	вершина розуму	*You are my top of mind. Why do you argue?*
16	paramount	першорядний	*This task is paramount, don't postpone it.*
17	pursue	переслідування	*You are pursuing this goal. That's why you can't achieve it.*

Vocabulary Appendix for Unit 2.2.

No.	Lexical unit	Translation	Use in a sentence
1	coding bootcamps	навчальні табори з кодування	*Let's start with coding bootcamps. It must be thrilling!*
2	fast-track	швидкий шлях	*We must find a fast track solution. We don't have any time!*
3	immersive	захоплюючий досвід	*According to his resume he has already*

	experience		*got an immersive experience. It wonders.*
4	outcomes	результати	*I expected more impressive outcomes than we have now.*
5	worthwhile	вартий	*This website isn't a worthwhile thing to watch. Don't worry.*
6	mid-career transitions	зміни в середині кар'єри	*If to look at her resume, you can notice some mid-career transitions. What was she made to change everything?*
7	skills expansion	розширення навичок	*Our employees need tremendous skills expansion.*
8	equal footing	рівність	*Nobody dealt with equal footing. So, nobody knows how to work with it.*
9	mid-career retraining	перепідготовка в середині кар'єри	*Mid-career retraining is always requirable when you feel some lack of knowledge.*
10	handful	невелика кількість	*What you say is a handful in all this mess.*
11	to accomplish	виконати	*Find a candidate who is ready to accomplish what we need.*
12	riveting story	захоплююча історія	*I won't believe that this riveting story can be truthful.*
13	to show off	похизуватися	*He won't lose a*

			chance to show off. However, we should try to ask for help.
14	to refine	доопрацювати	*How to refine this file? I have no idea!*
15	to spotlight	поставити в центрі уваги	*If we spotlight our aim, we will achieve it faster.*
16	flawless site	бездоганний сайт	*Who developed that flawless site? I want to see this wizard!*
17	messy code	безладний код	*Whose code is so messy? I want to know whose mistake it was.*
18	standalone piece	самостійний твір	*This flawless site is a standalone piece. It works pretty well.*
19	aspiring	честолюбний	*Our boss is too aspiring. He doesn't forgive any mistakes.*
20	to deepen	поглибити	*In order to deepen our knowledge we started studying in this field.*
21	apart from	не кажучи про	*I did everything you wanted apart from*
22	multiple variables	кілька змінних	*Try to change some multiple variables and then it may work.*
23	to fall out	випадати	*Be careful not to fall out while riding a hot air balloon.*
24	to get a handle on these trends	зрозуміти ці тенденції	*Everyone can get a handle on these trends if think carefully and stay calm.*
25	influx	приплив	*I have never seen such*

			a beautiful influx.
26	full-stack development	розробка повного стека	*He is responsible for a full-stack development.*
27	to crop up	обрізати	*Use this app to crop up my photo.*
28	overwhelmingly	в переважній більшості	*These texts are overwhelmingly translated by professional specialists. Why are you looking for any mistakes?*
29	leaderboard	таблиця лідерів	*I can't find a leaderboard. Who saw it?*
30	assured	гарантований	*We could have an assured income if we had enough evidences.*
31	obscure languages	незрозумілі мови	*I'm not keen on obscure languages.*
32	to emerge	виникати	*When he comes, new problems emerge immediately.*
33	subset	підмножина	*It's just a subset of various numbers.*
34	to gain prominence	отримати популярність	*This app could gain prominence if its interface was developed better.*
35	to brush up	очистити	*We need to brush up this basket to get more memory.*
36	aforementioned	вищезгаданий	*Aforementioned aspects are really important to be*

			searched better.
37	burgeoning fields	галузі, що процвітають	*Cybersecurity and Internet of things are extremely burgeoning fields.*
38	surefire way	правильний спосіб	*Find a surefire way to check the mistakes.*
39	search queries	пошукові запити	*All search queries deal with sales and shipping.*
40	proxy	проксі, посередник	*This program is proxy, so install the main one.*
41	compilation	компіляція	*This document is just a compilation, not more.*
42	compatible	сумісний	*This software is compatible with our equipment.*
43	doubling	подвоєння	*I'm fed up with all this doubling. Why do I have to look for these doubled mistakes?*
44	to round out	округлити	*Let's round out these numbers. It will be easier to calculate.*
45	juggernaut	джагернаут (вияв сліпої непохитної сили, про людину, яка йде напролом)	*Our boss is a juggernaut. Don't argue with him.*
46	thorough knowledge	ґрунтовні знання	*I got thorough knowledge while studying abroad.*
47	to query	запит	*I found your query. However, it can take*

			some time.
48	compressed, single-line format	стислий, однорядковий формат	*This code need only compressed, single-line format.*
49	a good grasp of user-centered design	добре володіти дизайном, орієнтованим на користувача	*Our team has already obtained a good grasp of user-centered design.*
50	SEO looming (search engine optimization)	загрозлива потреба в оптимізації пошукової системи	*SEO looming is what we are afraid most of all.*
51	debugging	налагодження	*He is busy with debussing. Don't distract him.*
52	workarounds	обхідні шляхи	*We wanted to find workarounds but we failed.*
53	to gauge time-to-completion	вимірювати час до завершення	*While fixing the bugs gauge time-tocompletion.*
54	to compile	компілювати	*He is the best at compiling files.*
55	mundane	буденний	*I want to forget about my mundane life I used to live in my childhood.*
56	to inhibit	гальмувати	*If you take these supplements, they will inhibit your cognitive functions. You will become a stupid person!*
57	security breaches	порушення безпеки	*I don't know what to do with these security*

			breaches.
58	stringent standards	суворі стандарти	*Let's discuss those stringent standards if there any options to ease their life.*
59	test-driven mindset	мислення, кероване тестами	*If you own such a talent of test-driven mindset, you will be extremely lucky to get a job dealing with figures.*
60	accomplished	виконаний	*This task was accomplished on time. Stop shouting.*
61	slipping	ухиляння від удару	*We decided to do everything for slipping but we weren't able to.*
62	unexpected roadblocks	несподівані блокпости	*After the war had started, people faced unexpected roadblocks everywhere.*
63	volatile	крилатий	*This speed is volatile, how to stop this machine?*
64	entrenched	укріплений траншеями	*These roadblocks are entrenched and built with gret efforts.*
65	upskill	підвищення кваліфікації	*I needed this upskill ten years ago but not now.*
66	to embrace	приймати, охоплювати	*This field embraced all branches we had discussed earlier.*

Vocabulary Appendix for Unit 2.3.

No.	Lexical unit	Translation	Use in a sentence
1	to seek	шукати, прагнути	*We seek to reduce the amount of people who were fired last week.*
2	to ditch	пускати під укіс	*He had a chance but ditched everything.*
3	talent pool	резерв талантів	*Where to find a talent pool?*
4	to lure talent	приманити талант	*How to lure talent? It must be some approach.*
5	to attract new eyeballs	привернути свіжий погляд	*If we hire new people, we will attract new eyeballs.*
6	tried-and-true strategies	випробувані стратегії	*Let's apply to tried-and-true strategies. They can help us.*
7	savvy	кмітливість	*I wonder because of your savvy. I will never get rid of you.*
8	to appeal to	звертатися до	*In this case it is better to appeal to our chef. He always knows what to do.*
9	to go overboard	зашкалювати	*Our indicators go overboard. It can't be truth.*
10	crucial intel	критичний інтелектуаль-ний складник	*This team is our crucial intel. We can't lose them.*
11	to hook a future client	підключити майбутнього клієнта	*Think of new tricks to hook a future client.*
12	screengrab	знімок екрана	*Send a screengrab to*

			see if you say truth.
13	envisioned	передбачений	*This step was envisioned, so we are ready to cope with your problem.*
14	nuts-and-bolts	гайки і болти	*I always solve such nuts-and-bolts problems.*
15	hurdles	бар'єри	*We didn't see those hurdles. That's why we made a mistake.*
16	to encounter	зустрічати	*If you walk around, you will encounter a lot of strangers.*
17	landing page	цільова сторінка	*Work on a landing page. I don't like it.*
18	to jam	нагнітати	*You are guilty as you are always jamming everything that is happening.*
19	grid design	дизайн решітки	*We have a task to improve a grid design.*
20	well-knit story	добре складена історія	*Who will believe this well-knit story? Only a fool.*
21	cookie-cutter	форма для печива	*I have bought a cookie-cutter. So, I will bake my favoury cookies.*
22	shortlist of potential hires	короткий список потенційних працівників	*Show all shortlists of potential hires. Let's find the best candidate.*
23	error-free	без помилок	*This chance is error-free. We can't lose it.*
24	identifiable	ідентифікова-	*I think this bug can't*

		ний	*be identifiable.*
25	headshot	постріл у голову	*Their breakup was like a headshot. I'm broken.*
26	corporatizing	акціонування	*Your corporatizing was in vain. All our work was in vain.*
27	superficial	поверхневий	*I guess his superficial knowledge can't help us.*
28	own merits	власні заслуги	*You deserve it. It's your own merits.*
29	consistent	послідовний	*Your behavior isn't consistent.*
30	cohesive impression	цілісне враження	*You need to make a cohesive impression of a reliable person.*
31	steady growth	стійке зростання	*I can't promise a steady growth but I can guarantee consistent work on this project.*
32	accomplishments	досягнення	*Let's discuss her accomplishments and decide who to hire.*
33	to lean into	опиратися на щось	*I would rather lean into some facts but not your imagination.*
34	bona fides	добросовісний	*This guy is bona fides but not brave enough.*
35	asset	актив	*They are afraid to invest all asset. How to convince them?*
36	cross-pollinated	перехресно запилений	*Crops were cross-pollinated. That's why we didn't have a good*

			harvest.
37	stepping stone	сходинка	*This job is your first stepping stone in your career. Don't hesitate.*
38	to yield	виробляти	*Experienced specialists can yield high rankings.*
39	prerequisites	передумови	*Let's analyze all prerequisites before making any decision.*
40	applicable	відповідний	*He wants to find an applicable solution but not just to argue with all team.*
41	graciously	люб'язно	*I graciously thank you for your help.*
42	to reiterate	повторити	*If you want to reiterate your deed, stop being jealous.*
43	to seek out	розшукувати	*Nobody wants to seek out the results we got last week.*
44	elated	піднесений	*His elated mood spread so quickly that nobody knew what to do.*
45	wane	спад	*He predicted that wane but nobody expected so low level.*
46	ever-increasing reliance	постійно зростаюча залежність	*Playing video games all the time you will get only an ever-increasing reliance and nothing more.*
47	concise	лаконічні документи	*He is keen on preparing concise*

	documents		*documents.*
48	to curate	курувати	*They curate this project extremely well.*
49	tailored resume	індивідуальне резюме	*After careful studying and searching for all information about that company he was able to complete a really tailored resume.*
50	ample	достатній, широкий	*These options are ample to choose any of them.*
51	snapshot	моментальний знімок	*Send your snapshot, don't waste time.*
52	git	неприємна людина	*Do you really want to emply that git? I don't believe you.*
53	wireframing	каркас	*He broke that wireframing in a minute. Was it really reliable?*
54	DNS (Domain Namy System) management	управління системою доменних імен	*They are busy with DNS management.*
55	API (Application Programming Interface)	інтерфейс прикладного програмування	*Start working on API before they call you.*
56	jest	блазень	*He is a jest. I'm fed up with his behavior.*
57	enzyme	фермент	*The liquid we tested was full with enzymes.*
58	roster of freelancers	реєстр фрілансерів	*He copied these names from a roster of freelancers.*

59	negotiation	переговори	*I can't say that our negotiation ran smoothly.*
60	to tweak	налаштувати	*Tweak new software immediately. Our boss is alrwady furious.*
61	to emerge	виникати	*E new problem always emerges when you call.*
62	concise bullet points	лаконічні маркери	*Find concise bullet points and stop using old ones.*
63	peer proofread	перевірка однолітками	*Nobody can guarantee that peer proofread can help but let's try.*
64	to thrive in	процвітати в	*Their collaboration helped them thrive in this field. I'm proud of them.*
65	span	коротка відстань	*That's a span. Why do you complain?*
66	to deploy	розгорнути	*Deploy a code and do what you are said to do.*
67	breadth	нестриманість	*Your breadth won't help us, it will distract everybody.*
68	undefined value	невизначене значення	*You thought of some undefined value and follow it without any justified reason.*
69	null value	нульове значення	*Put a null value on the top and start counting.*
70	adaptive design	адаптивний дизайн	*Your adaptive design looks nice and I would like to get your*

			service.
71	responsive design	розрахований на користувача дизайн	*I have never seen such a responsive design. It's unbelievably great.*
72	progressive rendering	прогресивний рендеринг	*After implementing a progressive rendering we succeeded in this field.*
73	span and div tag	теги span (вбудована інлайн частина документа) і div (частина документа на рівні блоку)	*He made some mistakes in span and div tag.*
74	quirks	примхи	*She always shows her quirks. Don't pay attention.*
75	overall knowledge	загальні знання	*His overall knowledge is deeper than we expected.*
76	broadband	широкосмуго-вий доступ	*Provide us with a broadband and you'll see quite other results.*
77	loading speeds	швидкості завантаження	*Loading speeds are too slow. We need to fix it.*
78	site's loading time	час завантаження сайту	*Site's loading time isn't satisfactory at all. Fix it.*
79	minimizing redirects	мінімізація переадресацій	*Minimazing redirects can reduce site's loading time, can't it?*
80	removing extraneous	видалення сторонніх віджетів	*Removing extraneous widgets is important but not the most*

	widgets		*important task now.*
81	reducing lookups	зменшення пошукових запитів	*Reducing lookups will help us with checking loading time.*
82	to render	виконувати	*He doesn't like rendering boring task as he is a really creative person.*
83	compiler	укладач	*Ask a complier for some help.*
84	to get stuck	застрягти	*He got stuck with that software.*
85	to rectify	виправити	*Our boss wants us to rectify all bugs. However, I won't deal with that.*
86	integer division	цілочисельне ділення	*We didn't cope with integer division and we won't cope.*
87	a simple tic tac toe game	проста гра в хрестики-нулики	*They played a simple tic tac toe game. Why do you argue?*

Vocabulary Appendix for Unit 3.1.

No.	Lexical unit	Translation	Use in a sentence
1	to opt	вибрати	*We need to opt and see the result.*
2	large data sets	великі набори даних	*Large data sets can slow down our loading speed.*
3	beneficial	вигідний	*This offer could be beneficial if it weren't our competitors.*
4	scalability	масштабова-ність	*Scalability is good but not the best solution in*

			this case.
5	statistician	статист	*Who was a statistician at their company?*
6	BLS (Basic Life Support) projections	прогнози базового забезпечення життя	*BLS projections are so optimistic. So, we can't hope for better.*
7	to pursue	переслідувати	*If to pursue this aim, we can lose all our customers. That's not a deal!*
8	data warehousing	сховище даних	*Data warehousing was attacked by some cybercriminals. And no one knows now what to do.*
9	data mining and modeling	аналіз даних і моделювання	*I would like to get some project dealing with data mining and modeling but not that branch you offer.*
10	IBM's (International Business Machines) data engineering	інженерія даних «блакитного гіганта»	*IBM's data engineering attracts more and more specialists. However, there aren't so many those who are ready to work abroad.*

Vocabulary Appendix for Unit 3.2.

No.	Lexical unit	Translation	Use in a sentence
1	to start on a path	почати шлях	*To start on a path in IT you need to get an appropriate education.*

2	criminal justice	кримінальне судочинство	*Criminal justice doesn't match our interests in this field.*
3	vulnerable	вразливий	*Their team is too vulnerable to start working there.*
4	financial fraud	фінансове шахрайство	*Financial fraud is the most popular one nowadays.*
5	to glean insights	збирати ідеї	*His task is to glean insights and present them in front of our audience.*
6	iterative	повторюва-ний	*Iterative orders can sometimes make us irritated.*
7	actionable advice	дієві поради	*We need actionable advice not just iterative orders.*
8	to conduct surveys	здійснювати дослідження	*If you want to conduct some surveys, study the algorithms.*
9	outliers	викиди	*Let's pay attention to the outliers we saw in the photo.*
10	spreadsheet	електронна таблиця	*That spreadsheet has some mistakes. Let's correct them.*
11	skewed	перекошений	*Your data is a little bit skewed. Who is guilty?*
12	to entail	тягнути за собою	*His actions entail all kinds of responsibility.*
13	at hand	під рукою	*Put it at hand and then nobody will waste so much time to find it.*
14	accurate	точний	*Your calculations*

			weren't as accurate as I expected.
15	seniority	трудовий стаж, старшинство	*Everybody gets nervous because of her seniority.*
16	total employment growth rate	загальний темп зростання зайнятості	*Total employment growth rate is caused by the amount of workplaces we got last month.*
17	to expand	розширити	*We could expand our possibilities if we worked better.*
18	to switch career	змінити кар'єру	*How are you going to switch your career?*
19	mainstays	опори	*Who is going to be responsible for these mainstays?*
20	ubiquitous	всюдисущий	*His eye is ubiquitous and you won't be able to hide.*
21	complex equations	складні рівняння	*I can't solve complex equations.*
22	compelling	переконливий	*These evidences are rather compelling. So, they should change their mind.*
23	tremendously	надзвичайно	*This issue was tremendously important.*
24	solid grasp of statistics	тверде володіння статистикою	*His skills include solid grasp of statistics. It's really important nowadays.*
25	to acquire	придбати	*To acquire new portion of knowledge*

			you need to study but not be lazy.
26	consumer value stores	магазини споживчої вартості	*Consumer value stores are located not far from the city centre.*
27	wireless fidelity	бездротова точність	*Wireless fidelity is our treasure. Let's advertize it.*
28	emergency fund	надзвичайний фонд	*We can't borrow money from an emergency fund.*
29	subscriber identity module	модуль ідентифікації абонента	*Subscriber identity module*
30	obsessive compulsive disorder	обсесивно-компульсивний розлад	*He could have obsessive compulsive disorder and nobody knew about it.*
31	light emitting diode	світлодіод	*Somebody lost all light emitting diodes.*
32	positioning system	система позиціонував-ння	*He can't get our positioning system, please, explain it to him.*
33	non expandable recreational foam	рекреаційна піна, що не розширюєть-ся	*I saw non expandable recreational foam there and decided to call you.*
34	intelligent quotient	інтелектуаль-ний коефіцієнт	*His intelligent quotient impresses a lot but I doubt if he is able to complete all tasks on time.*
35	light amplification by stimulated emission of	посилення світла шляхом	*All scientists think about light amplification by*

| | radiation | вимушеного випромінюва ння | *stimulated emission of radiation.* |

Vocabulary Appendix for Unit 3.3.

No.	Lexical unit	Translation	Use in a sentence
1	to get ahead	добиватися успіху	*If you want to get ahead, start doing at least something.*
2	efficiency	ефективність	*The efficiency depends on your time and efforts.*
3	seamless and agile process	безперебій-ний і гнучкий процес	*His efficiency will provide us with seamless and agile process.*
4	key objective	ключова мета	*The key objective is to show our results and achieve more.*
5	streamlining software delivery option	спрощений варіант доставки програмного забезпечення	*We need to find a streamling software delivery option. Otherwise, we will fail.*
6	to enable	уможливити	*They want to enable our cooperation but don't know how.*
7	code testing deployment	розгортання тестування коду	*Code testing deployment is not an easy task. That's why I want to study more.*
8	infrastructure management DevOps	управління інфраструкту рою DevOps	*She is busy with infrastructure management DevOps. Why do you*

			argue?
9	cloud computing	хмарні обчислення	*I would like to deal with cloud computing more as it interests me a lot.*
10	self-paced videos	відео без обмеження у часі виконання	*Self-paced videos can give us more views on our website.*
11	collaborative peerinteraction	спільна взаємодія однолітків	*Collaborative peerinteraction would be a good chance to promore our activity.*
12	to pave your way	прокласти свій шлях	*You need to pave your way*
13	diverse set of skills	різноманітний набір навичок	*Your CV should consist of diverse set of skills.*
14	pipeline	комунікаційна лінія	*I can't get the idea of this pipeline.*
15	consistent deployment	послідовне розгортання	*Consistent deployment of a code is visible but not clear enough.*
16	scaling containerization applications	масштабування програм контейнеризації	*Please, start some course in scaling containerization applications.*
17	utilization	використання	*Hardware utilization is what you need to tell us.*
18	allocation	виділення, розміщення	*Mention software allocation. Then it will be easier to work with it.*

19	to troubleshoot problems	усунути проблеми	*Think how to troubleshoot problems and after that be proud of your achievements.*
20	logging	реєстрація	*Your logging was failed because of a wrong password.*
21	capturing	захоплення	*Capturing a share of a modern market seems to be an easy task.*
22	to revolve	обертатися	*This object is revolving too fast.*
23	to execute software releases	виконувати випуски програмного забезпечення	*These labels could execute software releases if they were more affordable.*
24	to enhance	покращити	*To enhance this project it is better to hire a new team.*
25	compliance	відповідність	*Data compliance should be discussed but not just mentioned in a line.*
26	threats	погрози	*Your threats don't make any sense.*
27	to keep in mind	мати на увазі	*Keep in mind his position and remember that he isn't your friend.*
28	to embrace	охоплювати	*I can't embrace all scale of your plans.*
29	to give it thumb up	підняти великий палець	*If you agree, just give it thumb up.*

30	continuous upskilling	постійне підвищення кваліфікації	*This company requires continuous upskilling.*
31	dysfunction	дисфункція	*Find a specialist who can cope with this dysfunction.*
32	principal solutions engineer	головний інженер з рішень	*He works as a principal solutions engineer.*
33	siloed data	ізольовані дані	*Nobody is interested in siloed data.*
34	to coalesce	зливатися	*Our activities started coalescing into some responsible steps.*
35	fiefdom	вотчина	*He will never forget his fiefdom.*
36	botched releases	невдалі випуски	*We would like to forget about those botched releases.*
37	software zeitgeist	програмний цайтгайст	*Who would like to discuss software zeitgeist?*
38	seemingly	начебто	*We ordered seemingly high quality equipment but something went wrong.*
39	to roll out a large-scale initiative	розгорнути масштабну ініціативу	*If we roll out a large-scale initiative, we will become the leaders in this field.*
40	incremental changes	поступові зміни	*Incremental changes could improve our cooperation.*
41	to embark	рушати на борт,	*Start your discussion after you embark.*

		починати	
42	iterating	повторення	*Remove iterating snf then it will work better.*
43	facet	грань	*This facet isn't clear enough to work with.*
44	agile methodologies	гнучкі методології	*Agile methodologies can help us with improving the content.*
45	breaking work down	руйнування роботи	*Breaking work down could be a disaster for our team.*
46	sprints, backlogs, epics, and stories	спринти, відставання, епопеї та історії	*This file includes sprints, backlogs, epics, and stories.*
47	to assign work to skilled team members	доручити роботу кваліфікованим членам команди	*Our boss always assigns work to skilled team members.*
48	to adjust timelines	налаштувати часові рамки	*Adjust timelines and then you will be able to finish all tasks on time.*
49	merging and deployment of code	злиття та розгортання коду	*They are busy with merging and deployment of a code.*
50	likelihood of bugs or incidents	ймовірність помилок або інцидентів	*He would like to consider likelihood of bugs or incidents ahead.*
51	workflows	робочі процеси	*All workflows can be demonstrated alive.*

52	commit, blame, diff	здійснити, звинуватити, візуально вилучити різницю між поточною та попередньою версіями	*To commit, blame and diff is his duty. Don't distract and keep calm.*
53	branching	розгалуження	*Fix branching as it doesn't function in a proper way.*
54	leading vendors	провідні постачальники	*Leading vendors can provide us with the best equipment.*
55	lean and agile practices	економні та гнучкі практики	*I would like to work with lean and agile practices.*
56	from cradle to grave	від колиски до могили	*We worked on this project from cradle to grave.*
57	parser	оброблюва-льник повідомлення	*Improve a parser's work. It's necessary to do it today.*
58	silos	бар'єри	*Please, cope with silos as soon as possible.*
59	to adhere to the systems	дотримува-тись систем	*This software can't be adhered to the systems.*
60	dependency planning	планування залежності	*Before strating a new project you need to consider dependency planning.*
61	misaligned priorities	неправильно розставлені пріоритети	*Misaligned priorities distract you a lot.*

62	finger pointing	показування пальцем	*Finger pointing isn't appropriate in our team.*
63	"not our problem" mentality	менталітет «не наша проблема»	*I can't work with people who have "not our problem" mentality.*
64	slower velocity	повільніша швидкість	*Slower velocity can provide us with better data selection.*
65	substandard quality	некондиційна якість	*Substandart quality could be important but not the most significant one.*
66	mindset	мислення	*Your mindset impresses a lot.*
67	holistically	цілісно	*This report was holistically described and nobody has questions.*
68	deliverables	результати	*All deliverables are presented on the website.*
69	elite teams	елітні команди	*Elite teams should be leading in this process.*
70	to slow down momentum	уповільнити імпульс	*Slow down momentum to be able to observe alla changes.*
71	hiccups	гикавка	*Please, do at least something with your hiccups. You gonna give a speech tomorrow.*
72	accelerate time-to-	прискорити	*They were hired to*

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		resolution	час вирішення	*accelerate time-to-resolution and they did it.*
73	feedback loop	петля зворотного зв'язку	*Feedback loop works better than we expected and it makes us feel relaxed.*
74	to thrive	процвітати	*They want to thrive in Europe. That's why they start working on this project.*
75	full transparency	повна прозорість	*We provide full transparency in employess hiring.*
76	seamless communication	безперебійне спілкування	*Seamless communication is the best guarantee for a successful cooperation.*
77	to tank	зберігати в резервуарі	*This liquid should be tanked carefully.*
78	to slip through the cracks	прослизати крізь щілини	*His skills are so professiopnal that he can through the cracks.*
79	to swarm on issues	роїтися з питаннями	*Stop swarming on issues and start working.*
80	release pipeline	конвеєр випуску	*We started working with a new release pipeline.*
81	outages	відключення	*Our outages negatively impact on our work capacity.*

82	toolchain	інструмента-льний ланцюг	*Please, share your ideas of toolchain with us.*
83	to align people toward	вишикувати людей до	*Our task is to align people toward a common goal.*
84	unified customer focus	єдина орієнтація на клієнта	*Our company provides a unified customer focus.*
85	to hand off to operations	перейти до операцій	*We were told to hand off to oprations.*
86	a cumbersome and lengthy approval process	громіздкий і тривалий процес затвердження	*I am fed up with a cumbersome and lengthy approval process. Please, help.*
87	typical development workflow	типовий робочий процес розробки	*Typical development workflow takes much more time than you are describing.*
88	to free up	звільнити	*Please, free up a storage place to be able to download new data.*
89	streamlined	добре налагоджений	*Streamlined broadcasting is what we need in this war.*
90	to foster	виховувати	*Nobody wants to foster a qualified employee but everybody wants to get the best one.*
91	employee contentment	задоволеність співробітника	*We decided to study employee contentment and the results were*

			impressive.
92	win-win	безпрограш-ний	*What he offers is a win-win chance.*
93	fully embracing	повністю охоплюючи	*This technology can help us fully embracing all aspects of our main aim.*
94	buy-in	закриття угоди	*Nobody even hoped for such a buy-in.*
95	grassroots efforts	низові зусилля	*Such grassroots efforts don't convince us in your reliability.*
96	compelling argument	переконливий аргумент	*She provided us with a really compelling argument.*
97	cargo-cult	культ «карго»	*He doesn't deal with cargo-cult. That's why we are looking for somebody else.*
98	to combat	вести бій	*Nobody wants to combat. However, somebody needs to do it.*
99	siloing of knowledge, experience, and work	накопичення знань, досвіду та роботи	*Siloing of knowledge, experience, and work can give you a good chance to win.*
100	"Mean Time Between Failures" (MTBF)	середній час напрацюва-ння на відмову	*MTBF takes more time and we need extra resources to complete this task.*
101	"Mean Time to Recovery" (MTTR)	середній час до одужання	*MTTR can't be predicted without any examination.*

102	blameless retrospective	бездоганна ретроспектив-ва	*This website can guarantee a blameless retrospective that our users can observe.*
103	assumption	припущення	*His assumption was doubtful. So, nobody believed it.*
104	to entail	спричиняти	*This problem entails even more consequences than anybody could predict.*
105	throwing it over the wall	перекинувши його через стіну	*Throwing it over the wall we decided not to look at it any more.*
106	a feature toggle	перемикач функцій	*Who can fix a feature toggle? I can't get it.*
107	trunk-based development	магістраль-ний розвиток	*Trunk-based development is a priority we should follow now.*
108	vastly	значно	*The ranking results were rising really vastly.*
109	vetted	перевірений	*The reports we looked through were vetted.*
110	rollback features	функції відкату	*Rollback features don't work properly.*
111	hampered	утруднений	*The tasks we were given seemed to be a little bit hampered.*
112	adversely	несприятливо	*This satiation*

			impacted on this case more adversely than we expected.
113	to ship	вантажити	*Those who ship all goods should be responsible for their mistakes.*
114	to reap the benefits	пожинати переваги	*After hard work it's time to reap the benefits.*
115	observability	спостережли-вість	*Your observability impresses a lot and we would like to hire you.*
116	overhaul	капітальний ремонт	*We paid for that overhaul and want to get the best results.*
117	change failure rate	зміна частоти відмов	*Let's work on a change failure rate. It should be better.*
118	increment	приріст	*These results show an incredible increment after the actions we had taken.*
119	pivot	опорний	*Some of his notices were pivot and worth discussing.*
120	scrum and kanban	скрам і канбан	*Who knows what scrum and kanban mean.*
121	to underpin	підводити фундамент	*Let's underpin what we have just discussed.*
122	batching	дозування	*We need to decide what kind of*

			batching is appropriate here.
123	tremendously	надзвичайно	*His work was tremendously appreciated and he got a promotion.*
124	in a similar vein	у подібному ключі	*Analyze all deficiencies and work on this project in a similar vein.*
125	deficiencies	недоліки	*We need to get rid of any deficiencies.*
126	on-premise systems	локальні системи	*On-premise systems work better if you follow new codes.*
127	pillars of observability	стовпи спостережли-вості	*Remember what to pay attention firstly as they are your pillars of observability.*
128	logs, traces, and metrics	журнали, траси та метрики	*Show all your logs, traces and metrics to see how effective they are.*
129	timely basis	своєчасна основа	*If we didn't get your timely basis, we couldn't start collaboration.*
130	performance deficiencies	недоліки продуктивно-сті	*Nobody has heard about performance deficiencies.*
131	honing your DevOps practices	відточуючи свої практики DevOps	*Honing your DevOps practices you will get the best qualification in this field.*
132	ongoing journey	триваюча	*They are afraid of*

		подорож	*ongoing journeys as they can't stay aside a working process a long time.*
133	to leverage observability	використову-вати спостереж-ливість	*Leverage your observability in order to notice not only key moments.*
134	best-of-breed tools	найкращі інструменти	*We are getting used to involving best-of-breed tools.*
135	to span more phases	охоплювати більше фаз	*This program can span more phases, just try.*
136	actionable inputs	дієві входи	*If you deal with actionable inputs, let us use it without any restraints.*
137	to keep your backlog of user feedback in mind	пам'ятати про свій набір відгуків користувачів	*We keep our backlog of user in mind but we can't cope with everything.*
138	manageable chunks	керовані частини	*We lost all manageable chunks because of last cyberattack.*
139	sprint planning	планування спринту	*I'm not keen on sprint planning but I'll try.*
140	issue tracking	відстеження проблем	*We need a person for issue tracking.*
141	backlog grooming and prioritization	відставання від догляду та визначення пріоритетів	*Backlog grooming and prioritization belong to your responsibilities.*
142	disposable replicas	одноразові	*I didn't use to work*

		репліки	*with disposavle replicas.*
143	reproducible	відтворюва-ний	*Make this code easily reproducible.*
144	to spin up variations	розкручувати варіації	*He likes spinning up variations but not implementing them.*
145	to put a server into a known baseline	перевести сервер у відому базову лінію	*If we don't put a server into a known baseline, it won't finction at all.*
146	peer-reviewed	рецензований	*Peer-reviewed software is much better than you even can imagine.*
147	to fade	зникати	*Some pictures are fading after you press this button.*
148	need for run books	потреба в журналах реєстрації	*After he came, there was a rapid need for rung books. Isn't it strange?*
149	change approval boards	змінити раду затвердження	*It's our duty to change approval boards. Otherwise, we won't approve anything.*
150	throughput	пропускна здатність	*Our throughput is quite high. We can't lose any speed.*
151	pull requests	запити на отримання	*He deleted all pull requests.*
152	to shed light on the incident	пролити світло на подію	*Who wants to shed light on the incident? I'm listening to.*
153	to roll out new	розгорнути	*Please, roll out new*

	features to your users	нові функції для своїх користувачів	*features to your users if you want to keep on working for this company.*
154	rigor	строгість	*Your rigor destroys team climate.*
155	sacrificing development speed	жертвуючи швидкістю розвитку	*He scaled some programs sacrificing development speed.*
156	exploratory testing	пошукове тестування	*We organized exploratory testing in order to sanity-check.*
157	to pay off over time	окупитися з часом	*Nobody asked how long it takes to pay off over time.*
158	long run	довгий термін	*I would like to sign my contract for long run.*
159	to mitigate	пом'якшити	*If you want to mitigate their working circumstances, hire a new DevOps engineer.*
160	to peek under the hood	заглянути під капот	*Stop shouting and let's peek under the hood to find out what's going on.*
161	blitz testing	бліц-тестування	*I hate blitz-testing. I don't have enough time to concentrate.*
162	cmd-executable script (command-line interpetor)	сценарій виконання командного рядка	*Somebody has sent a wrong cmd-executive script.*

163	bash	удар	*It was a bash after which they didn't have any chance to survive.*
164	to factor out	винести за дужки	*Let's factor out his unexperience and pay attention to creativity.*
165	utility methods	корисні методи	*Study utility methods more. Then you will see the difference.*
166	to sanity-check	перевіряти праце-здатність	*He is able to sanity-check. Tha't why everybody is afraid of him.*
167	churn surveys	дослідження відтоку	*He is providing us with efficient churn surveys.*

GRAMMAR APPENDICES
Grammar Appendix. Unit 1.1. Present Simple Tense, Present Continuous Tense, Present Perfect Continous Tense, Present Perfect Tense

No.	Theory	Use
1	Present Simple Tense is used to denote daily routine, laws of nature, timetables, sport commentaries, instructions.	*He works at school. The sun sets every day. The plane takes off at 9 p.m. He overtakes other player and can win. Cut onion and wash potatoes.*
2	Present Continuous Tense is used to denote temporary actions, actions that happen often but irritate a speaker, and actions that are arranged to be taken in the future.	*He is looking for a new job this month. You are always interrupting me. We are buying a new house.*
3	Present Perfect Continuous Tense is used to denote the duration of some actions that were taken in the past, are being taken now and will last in the future.	*He has been working for this company for 5 years.*
4	Present Perfect Tense is used to denote actions that started in the past and last till present, actions that have been recently finished, actions that happened in an unstated time, actions that happened within a specific time period which has not finished yet.	*She has had a dog for three years. He has just fixed his car. They have alrwady bought a new car. She has taken 5 photos today.*

Grammar Appendix. Unit 1.3. Gerund and Infinitive Use

No.	Theory	Use
1	The –ing form is used after the following verbs: admit, appreciate, avoid, consider, delay, enhoy, fancy, finish, forgive, keep, mind, miss, practise, suggest, understand, dislike, hate, love, prefer, spend, waste, lose, be busy, it's no use, it's no good, it's no worth, can't help, can't stand, have trouble	*He suggests doing sports. I avoid meeting him because he is rude. I can't help eating chocolate. I prefer reading books than watching films.*
2	The to –infinitive form is used after the following verbs: agree, appear, decide, expect, hope, plan, promise, refuse, ask, learn, find out, wonder, want to know; after too/enough; after verb be + adjective; after something, somewhere, anyone, nothing; after be + the first/the second.	*He decided to help. He was the first to come. She is too young to drive a car. They were the first to come. We have got a lot of tasks to do.*

Grammar Appendix. Unit 2.1. Comparative and Superlative Forms of Adjectives

No.	Theory	Use
1	Comparative Form is used to compare two people, things etc.	*This car is more expensive than the other one.* *He is faster than his brother.*

No.	Theory	Use
2	Superlative Form is used tocompare one person, thing, etc. with more that one person, thing, etc. in the same group.	*This car is the most expensive in this garage. He is the fastest in his family.*

Grammar Appendix. Unit 2.2. The Use of Have Something Done Construction

No.	Theory	Use
1	Construction is used to denote things that we have arranged for someone or something for us.	*He has his car repaired. He had his windows fixed. He has had his room cleaned.*

Grammar Appendix. Unit 3.1. Past Simple Tense and Past Perfect Tense

No.	Theory	Use
1	Past Simple Tense is used to denote actions that happened at a definite time in the past, actions that happened immediately one after the other in the past, past habits or states.	*They went swimming last month. She ordered a new bag and left the shop. They used to cook hot dishes.*
2	Past Perfect Tense is used to denote actions which happened before another past action or before a stated time in the past.	*She had finished work when she saw her friends.*

Grammar Appendix. Unit 3.2. Future Simple Tense, Future Continuous Tense, Future Perfect Tense and Future Perfect Continuous Tense

No.	Theory	Use
1	Future Simple Tense is used to denote predictions about the future with verbs think, believe, expect etc.; on-the-spot decisions, promises.	*I think it' will rain tomorrow. I'll buy these ones. I'll help you.*
2	Future Continuous Tense is used to denote actions which will be in progress at a stated future time, actions which will definitely happen in the future as the result of a routine or arrangement.	*This time next week we'll be crossing the ocean.*
3	Future Perfect Tense is used to denote actions which will be finished before a stated time in the future.	*She will have done this task by 8 p.m.*
4	Future Perfect Continuous is used to denote the duration of an action up to a cartain time in the future.	*By the end of next month she will have been working for this company for 10 years.*

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