

ENGLISH FOR IT

#7 Testing



Анастасія

Викладач Englishdom

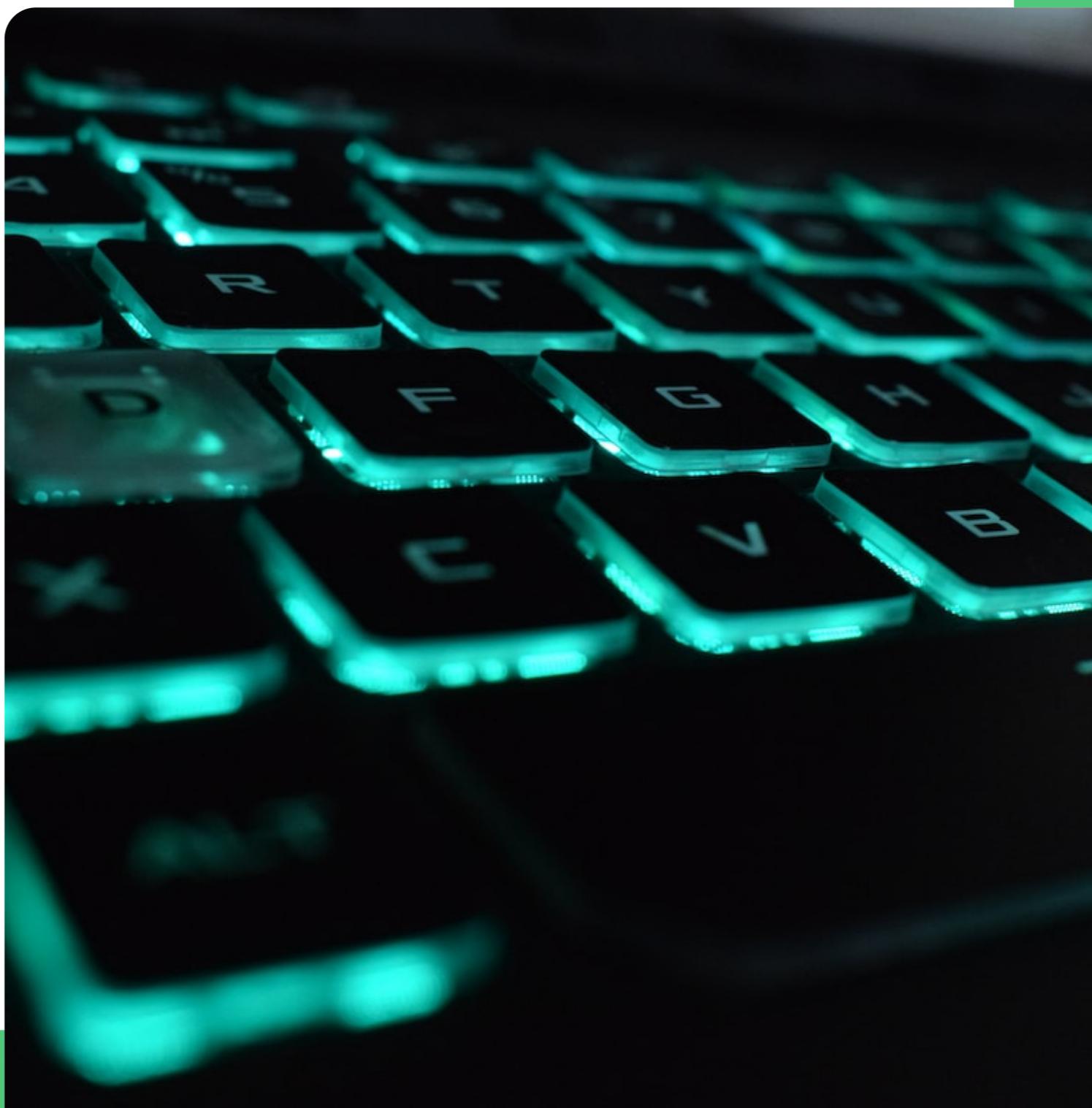
Сертифікати: TOEFL

Досвід викладання - 5 років

[ju:] Hi [hʌɪ] how [haʊ] are

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Warm up



The programmers of tomorrow are the wizards of the future. You're going to look like you have magic powers compared to everybody else.

So, do you agree with it?

Do you think that programmers in the near future will be even more in demand than now?

What IT fields will be the most advantageous in about 50 years?

Do you know whom these quotes belong to? What do you think of this person?

Warm up



“You must be a constructive schizophrenic. Be clear about the difference between your role as a programmer and as a tester. The tester in you must be suspicious, uncompromising, hostile, and compulsively obsessed with destroying, utterly destroying, the programmer’s software. The tester in you is your Mr. Hyde – your Incredible Hulk. He must exercise what Gruenberger calls ‘low cunning.’”

BORIS BEIZER

Vocabulary

Appropriate – suitable or proper in the circumstances

Dead code – is any code that's never executed, or if executed, the execution has no effect on the application's behavior

Debugger – a computer program that assists in the detection and correction of errors in other computer programs



It is important to use **appropriate** security measures when handling sensitive data in information technology.



The programmer removed the **dead code** from the software to improve its efficiency and performance.



Debug a process running on a remote computer.

Vocabulary

Backward compatibility – a hardware or software system that can successfully use interfaces and data from earlier versions of the system or with other systems

Explicit – stated clearly and in detail, leaving no room for confusion or doubt

Iteration – the process of doing something again and again, usually to improve it, or one of the times you do it



We are continuously releasing new **backward compatible** versions on our website.



They were given **explicit** instructions.



The only difference in the latest **iteration** of the videogame is the change of setting.

Vocabulary

Implicit – secret or hidden; not openly practiced or engaged in or shown or avowed

Iterative process – is the practice of building, refining, and improving a project, product, or initiative

Feasible – possible to do easily or conveniently



A manager has the **implicit** trust of his team.



Performance improvement is an **iterative process**.



Is it **feasible** to finish the work by Spring?

Vocabulary

Interact – to communicate or be involved directly

Proofreading – carefully checking for errors in a text before it is published or shared

Scarce – insufficient for the demand



The user can **interact** with the results.



Most of the errors were corrected at the **proofreading** stage.



Scarce IT resources are a major challenge for companies in need of new software development.

Vocabulary

Troubleshooting – the process of tracing and correcting faults in a mechanical or electronic system

Test coverage – a metric used to determine how much of the code is tested by a particular set of test cases



Contact the developer of the application for specific **troubleshooting** instructions.



When I run **the test coverage** process again with the new test cases, I get a much more complete report.

Get to know

Job titles

A software **quality assurance (QA) engineer** is someone who monitors every phase of the software development process so as to ensure design quality, making sure that the software adheres to the standards set by the development company.

Quality control (QC) specialists are in charge of supervising quality control for their organization and troubleshooting quality-related issues as they arise. They also perform quality-related tests to ensure products comply with company and legal standards.

QA Automation engineers design applications that will convert manual test preparation into automated test preparation. They design, create, test and implement these solutions in order to automate as much of the manual test preparation as possible by using codes and scripts.

Get to know



As a QA engineer you should assess the risks first.



You mustn't be responsible for the troubleshooting, you aren't a QC specialist.



QA Automation engineers design applications that will convert manual test preparation into automated test preparation.

you [ju] Help [h]

Get to know

Job titles

Black box testing is a software testing method in which the internal structure / design / implementation of the item being tested is not known to the tester.

White box testing is a software testing method in which the internal structure / design / implementation of the item being tested is known to the tester. The tester chooses inputs to exercise paths through the code and determines the appropriate outputs.

Get to know



This method of test must be applied virtually to every level of software testing.



Martin should investigate the issue in detail before he starts black box testing.



The tester is aware of what the software is supposed to do but is not aware of how it does it.

Get to know

Conditionals 0, 1, 2

0

real present condition with a stable result, regularity, laws of nature

- *If we heat wax, + it melts.*
- *When she throws a party, + it is always funny.*
- *If we set fire to hydrogen, + it explodes.*

If / when + Present Simple + Present Simple

1st

real future condition with a real result in future

- *If they adopt that law, + a lot of things will change.*
- *When we eliminate all the obstacles, + we will be able to do this.*

If / when / unless Present Simple + will + V

2nd

unreal hypothetical action with a hypothetical present or future result

- *If the poverty didn't exist, + the world would be ideal.*
- *If I were you, + I would take part in the protest march.*

If / when / unless + Past Simple + would / could / might + V

Remember the difference between **real** and **unreal** actions. Real ones happen or will happen under certain conditions and unreal actions are impossible or have almost **impossible** conditions to happen.

Get to know



If I'm working in the office, I always come home late.



If you just hit Enter, that will activate the program.



If we didn't have encryption, our video conferences wouldn't be secured.

Y ou [ju] H i[hʌɪ]

Game 1



Count the number of used Conditionals

If you don't know IT Trends, you will be out of the market. If you ever want to work as a software tester in the blockchain world, be prepared for a pure and heavy technical field of testing. When we take a closer look at machine learning, it comes down to learning more about algorithms. The goal is that the machine will learn from the various inputs and decide on its own what the output will look like. If you want to test machine learning software you have to learn all about the tech stack and the underlying algorithm to understand the system. A lot of organizations have service personnel that take care of installation and configuration so that testing's lighter and the risk is lower. But performance might be very important to what's happening. If you're testing performance specifically, you're not going to test installation / configuration. So when you go into the meeting, be prepared to negotiate and list out the details. Agree upfront on what to test, and you'll be better off because you've agreed on your goals. At the moment, we're storing everything in the cloud — but if we decentralized data storage and encrypt that data using blockchain, our information will not only be safer, but we'll have innovative ways to access and analyze it.

Game 1

🔑 Answers

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Game 2

Have you seen Westworld? If yes, it might be easier for you to perform the following task, if no, it doesn't really matter.

So, imagine that you have a chance to build a perfect amusement park. The park, which will have its own theme and style, where androids will look and behave like real people, and where the guests, coming to this park, will be able to fulfill their dreams and desires, even the wildest ones. Everything will look like a real life here, except it will be an upgraded and much more interesting one.

- *What theme would you choose for such kind of park (like, historic age and place)? Or maybe it could be the mix of several themes?*
- *What rules would you establish there?*
- *What kinds of narratives would you like to include there?*
- *What would make it a perfect entertainment place?*
- *Why could such place be extremely popular?*



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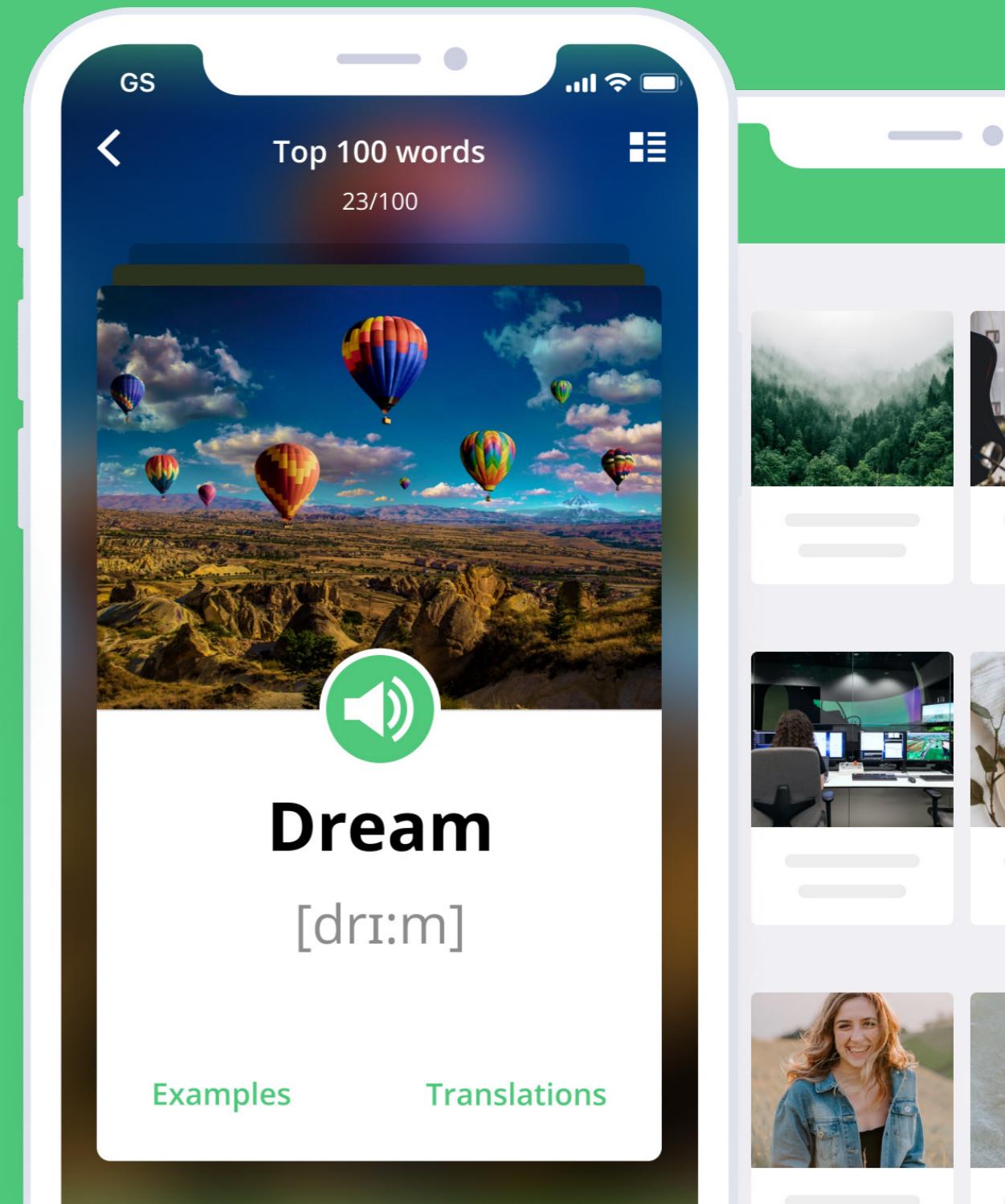
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😎 змагання з друзями

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БЕЗКОШТОВНИЙ ПРОБНИЙ УРОК

Useful links

Набір слів [Testing](#)

Практика [Testing](#)

Стаття [The future of software testing](#)

Стаття [An Introduction to Software Testing](#)

Стаття [30 best practices for software development and testing](#)

TED-відео [Making testing fun](#)

TED-відео [3 reasons you aren't doing what you say you will do](#)

Thank you for your attention!

Do you have any questions?

Please feel free to send them to our chat!



[j u] H i [hʌɪ] how [haʊ] are