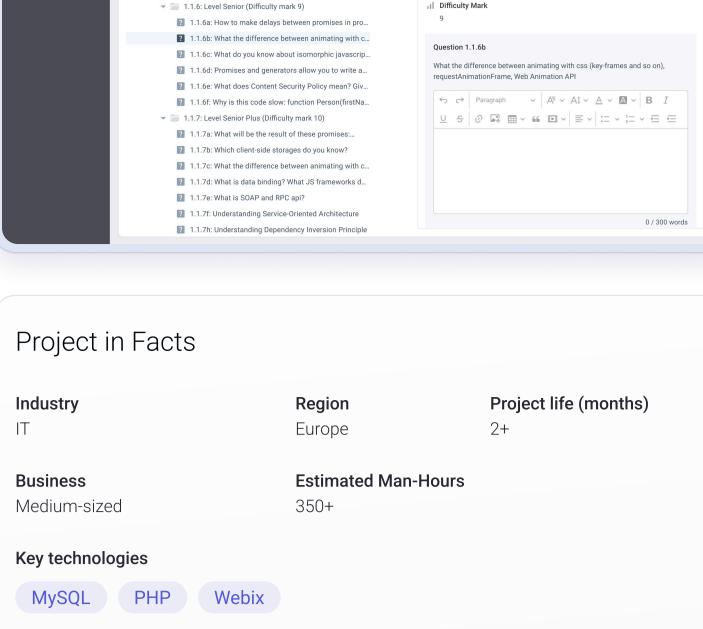


xamarius [→ Log out **■** Dashboard Question Bank (786 questions) Syllabus 🔐 Students



Assessment and certification of employees' professional competencies is always a key tool for managing the quality of human capital in companies. Especially with the growth of requirements for the qualification of employees and the acceleration of technological progress, employers are faced with the need for an accurate and objective assessment of personnel skills. To deal with this challenge successfully, specialized software, which automates the professional software developer certification process and allows employees to flexibly adapt to the needs of the company, is increasingly being introduced. Using such systems not only simplifies the control of the level of professionalism of employees but also opens up new opportunities for planning the training process and career growth. Just like many other companies, we value the opportunities for growth given to our employees, which is why the question of how to make this technical training and certification process efficient was also raised. The consideration of how the use of Examarius for certifying the professionalism of employees can contribute to improving the efficiency of <u>human resource</u> management became our personal challenge. It was important for us to understand how this

one of the factors to consider for successful control over skill testing;

To ensure the reliability and fairness of the assessment process, we decided to test the system from multiple angles. The goal was to evaluate not only how well the platform works technically but also how intuitive and useful it feels for different user groups. To achieve this, we brought in

two distinct categories of participants: experienced employees who needed to reassess and

This approach helped us to simulate real-life scenarios of internal certification and candidate evaluation. It also provided an opportunity to compare how different users interacted with the

system and what kind of support or adjustments might be needed. As a result, we collected

diverse and honest feedback, identified areas for improvement, and confirmed that the test

user

The Randomizer feature to ensure fair

and varied testing scenarios for each

outcomes effectively reflected the users' actual competencies.

Automated certification workflows with

minimized manual input and reduced

validate their current skill levels, and new candidates who had never encountered the Examarius

Sergey Filatov

their own way.

Question Bank

Hierarchy of Topics

development aspects:

And then the topics were added accordingly:

1. frontend. 2. backend.

general,

· security,

protocols, etc.

 architecture, JavaScript,

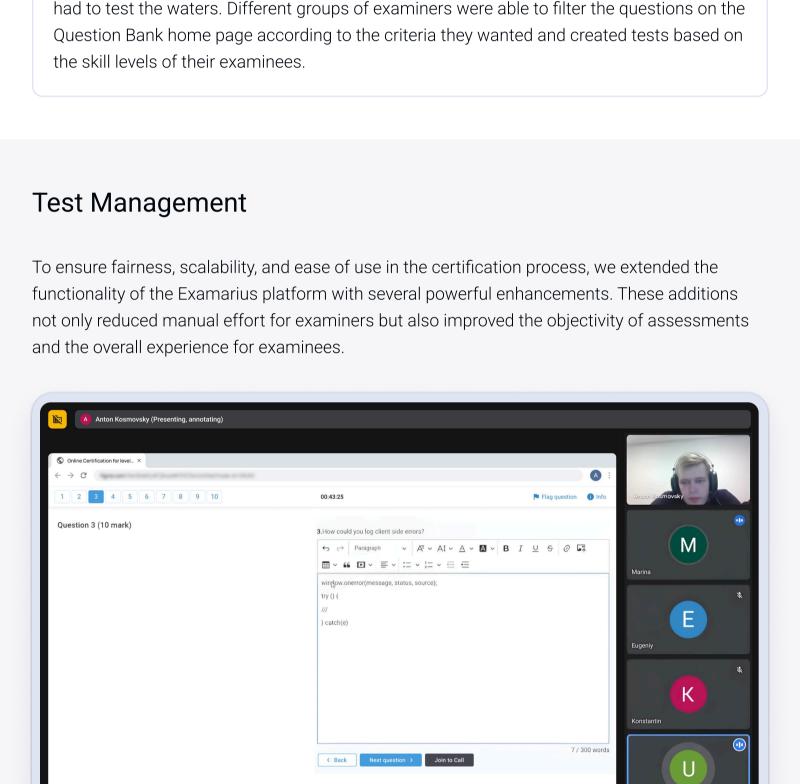
layout (for frontend),

Answer area, Difficulty mark.

Complexity and Focus

17:24 | Online Certification for JavaScript Specialist

Search for question Ouestion Title ^ Description **Ouestion Control** Answer Control 8 DP 1.1a How could you log client side errors? Content Text field 0 Why do we need SVF for? What is the difference vector and raster images? Text field 0 ☐ DP 1.1c Why we shouldn't use eval? Content Text field What is AMD, CommonJS, RequireJS, ES6 modules? What is the difference? Content Text field 8 ☐ DP 1.2b Types of cache, How can we control/manage it? Content Text field 8 0 What is the difference between display: 'none' and visibility: 'hidden'? Is it possible to anim... Text field ☐ DP 1.3a Bitwise operators. When could they be useful? Content Text field 8 0 How to know if a browser supports CSS properly? Text field Content



① 🤽 🗏 🙈

A well-structured assessment system isn't just about evaluating knowledge — it's also about

Recognition and Motivation

goals.

Tools & Technologies

Custom Certificates

🗾 xamarius Online Certification (138 Create certificate Fill the form Certificate preview C Update Preview **Creation Date** Certificate number Nº2718-0065837 CERTIFICATE Anton Kosmovsky 01-Jun-2025, 14:30 01-Jun-2025, 14:23 Course name Anton Kosmovsky Front-End Development 01-Jun-2025, 14:13 sfully completed the XB Software Attesta 01-Jun-2025, 14:05 01-Jun-2025, 13:52 Attendance rate. % Final exam result. % 02-Jun-2025 15:46 Number of hours Awarded level 01-Jun-2025 11:21 Justin Franci

One of the standout features integrated into the testing process was the generation of

individual's performance, providing a tangible acknowledgment of their skills.

custom certificates upon test completion. These certificates were designed to reflect the

For developers, the certificates served as both a motivator and a career development tool.

By clearly showcasing their strengths and areas for improvement, employees were able to

Create focused training programs. By identifying specific skill gaps, team leads were

• Improve project outcomes. Ensuring the right skillsets are applied to the appropriate

They say, "If you want something done right, do it yourself," and honestly, that's exactly what we

spreadsheets for skill assessments and online tools for random question selection. While it got

So, we turned to our own product — Examarius — and developed a fully automated certification

platform that brought together all critical components under one roof. Central to this was the Question Bank, which allowed examiners to organize questions by hierarchy and topic, and the

To make the system user-friendly and efficient, we integrated a suite of Webix JavaScript UI <u>controls</u>, including a <u>Tree UI widget</u> that provided intuitive navigation through the question hierarchy and a Filter UI widget that helped examiners to quickly search and sort questions

The backend of the platform was built using PHP, which provided a solid and flexible foundation

for handling business logic, managing user authentication, and processing test data securely

and efficiently. PHP's robustness made it easier to integrate with the front-end JavaScript

did. Before building the certification system powered by Examarius, we relied on Excel

the job done for a while, it quickly became clear that spreadsheets couldn't handle the

Randomizer feature, which ensured fair and varied testing scenarios for every user.

based on various criteria. These tools gave both testers and administrators a smooth,

complexity and scale we needed for reliable, automated certification.

able to tailor training initiatives to align with both individual needs and organizational

track their growth over time and work on specific skills to enhance their professional

components and enabled smooth communication between the client side and the server. The platform's architecture supported rapid iteration and easy customization, allowing us to adapt the system to the specific workflows of our HR and tech teams, respond quickly to feedback, and implement improvements without external dependencies.

responsive experience.

needs.

better.

Ujin Kosy

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Functional Manager, Software Engineer

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Interested in developing a similar solution or have your own idea in mind? Let's start We are ready for any challenge, just contact us!

Switching from Excel to a fully automated certification system was a gamechanger for us. With Examarius, we finally got a flexible, secure, and intuitive solution tailored exactly to our needs. The personalized certificates and smart question management helped us to take employee assessment to a whole new level — no more chaotic spreadsheets or manual scoring. But what truly sets this

unified way to assess knowledge, independent of current project specifics. It didn't just improve our HR workflows — it became an integral part of our growth strategy.

Business Challenge

human error in evaluation

platform before.

materials without losing clarity or control. Ujin Kosy 🔼 xamarius [→ Log out ■ Dashboard Question Bank (786 questions) Syllabus New Question 🚜 Students Test builder Question Bank Online Certification Settings

To make certification meaningful and scalable, we needed a centralized space to store, organize,

and reuse questions across multiple tests and user groups. That's where the Question Bank

comes in — a flexible feature designed to help Examiners manage large volumes of test

driving growth and engagement. One of the key elements was the personalized certification mechanism, which helped both employees and managers get more value out of the test results not just in terms of numbers, but in real, practical impact.

tasks translated into higher efficiency and better project results. By integrating this personalized approach into the evaluation process, the system not only streamlined the assessment process but also significantly enhanced its value for all stakeholders involved.

Result With Examarius online testing system used for employee evaluation, we were able to elevate the

assessment processes, making it easier, faster, and more productive than ever before. This in-

routine into a streamlined, automated system that felt like it was custom-built for our unique

house development approach transformed our certification process from a manual, error-prone

The product turned out to be so flexible that it almost felt like it shaped itself around our needs.

into the solution we were looking for, although of course, there's always room to make it even

By building the certification system in-house, we were able to:

Over time, it became obvious that this exact setup was what we truly needed. It evolved naturally

- Quickly respond to internal feedback and tweak the tool without external dependencies; Replace messy, manual tracking in Excel with a clean, structured, and automated solution.

- Test builder 1.1.6b / : × ▼ Topic 1: Attestation XB Question Bank ▼ 📄 1.1: Front end + New question Path ▶ 🚞 1.1.1: Level Junior (Difficulty mark 2) 1 Attestation XB • 1.1 Front End • 1.1.6 Level Senior (Difficulty mark 9) 1.1.2: Level Junior Plus (Difficulty mark 4) ? Question Control Online Certification 1.1.3: Level Middle (Difficulty mark 6) Settings 1.1.4: Level Middle Plus (Difficulty mark 7) = Answer control Text field 1.1.5: Level Middle++ (Difficulty mark 8) II Difficulty Mark

- Personalized certificate generation for **Integration of the Question Bank** to boosted employee motivation and allow HR and team leads to easily create recognition and manage up-to-date test sets

The ancient truth says that all people are different, you will not find two identical

involved in the certification: different examiners would choose questions for one

certification test differently, and each examinee would answer every question in

individuals. In our case, this truth was multiplied by the number of people

: ☐ DP 1.3c 8 What can we do using "pseudo-selector"? Content Text field 0 Which of the following is NOT a key social factor impacting design technology? Text field □ DP 1 3e How do social factors influence the development of design technology? Content Text field 8 0 Which of the following is a critical factor in the depletion of natural resources used in de.. Content Text field ☐ DP 2.1b What are CSS custom properties (variables), and how do they differ from preprocessor v... Content Text field 0 What are UMD (Universal Module Definition) modules, and how do they differ from AMD... 0 : □ DP 2.1d What is tree shaking, and how does it help optimize JavaScript bundles?.. Content Text field What are Web Workers, and how can they improve performance?. Content : Page 1 of 5 « < 1 2 3 4 5 » > Items per page 16

Initially, the Question Bank's repository must be filled with questions, distributing them

For the certification in our company, the levels were divided according to the web

the procedure represents the division into main levels and sublevels.

according to their hierarchy and topics. This task is handled by the Examiners. In real terms,

Creating a question reflects the logic in the Test Builder section: Question area (if needed),

We started with 150 questions of varying complexity and different focus that we already

- Randomizer To reduce the influence of the human factor when selecting questions during the test design, it was decided to add a new Randomizer feature. Thus, an Examiner could select the necessary chapters, specify the required number of questions for the future test, and that's it. The system itself randomly gathers questions for the web developer skills certification exam. Repository Other than that, the Question Bank feature has proven to be a convenient and intuitive tool for creating a repository with a stock of questions. In the hierarchical system of displaying questions in Syllabus, the descriptions of the master level and subsidiary levels, question previews from the Syllabus tree, and the ability to transfer questions between levels via drag-and-drop have been added. **Results Review** It is also important to have the opportunity for feedback and discussion. That is why, for the examinees, we added the function of reviewing the results of the passed tests and seeing them in the random order to assess the answers with fresh perspective. For example, in case there were Multiple-Choice Questions (MCQs), the examinees are now able to see the right answer to compare with the option they chose.
- competence. Furthermore, the personalized certificates fostered a sense of achievement, boosting morale and encouraging continuous learning. **Enhanced Team Management** As for team leaders, these certificates became a valuable resource to gauge the expertise levels within their teams, facilitating better task allocation and identifying areas for targeted training. With clear insights into the skill levels of their team members, team leads could make informed decisions about resource allocation and task assignments. Also, they were able to:

- - Seamlessly integrate testing, evaluation, and certification within one platform; Ensure consistency and data security across all assessment processes; Adapt the system to the specific workflows of our HR and tech teams;
 - system apart is how it helped us to look beyond just project performance. Everyone in our team works on different workflows, and Examarius gave us a
 - Your questions and requests are always welcome!

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Skill assessment system based on Examarius and the Question Bank tool for testing both seasoned employees and new hires. The system streamlines the testing and certification process, reduces human error through automation features like the Randomizer, and recognizes and motivates employees with personalized certificates.

Simplifying Internal Testing and Professionalism Control: using an online system to training and career growth was important for us. Besides that, our company follows the hybrid work environment, and many of the employees are working remotely, which was Automating Certification with Ease: for our company, it was also important to find the way of automating the professional software developer certification process, while spending considerate amount of resources; **Improving HR Management:** understanding how using Examarius for employee certification could improve human resource management efficiency and help our company to meet the dynamic labor market's requirements, which was ideal for us; **In-House Testing:** Besides that, it was the perfect opportunity for us to test Question Bank, one of the latest custom features of our online test system implemented at that moment. Solution

- approach will help companies to meet the requirements of a dynamic labor market. Therefore, we identified the challenges we needed to resolve: simplify the control of programmers' tech skills and open new opportunities for planning

- We have successfully completed over 200 projects in 65+ countries across the globe. The majority of our clients reside in the United States,
- Corporate Training and Certification System for IT Teams