

MINISTRY OF EDUCATION OF REPUBLIC OF MOLDOVA
Technical University of Moldova
Faculty of Computers, Informatics and Microelectronics
Department of Software Engineering and Automatics

Report
on Web Programming
Laboratory Work nr. 4

Performed by:

Dvorac Ana, Group FAF-193

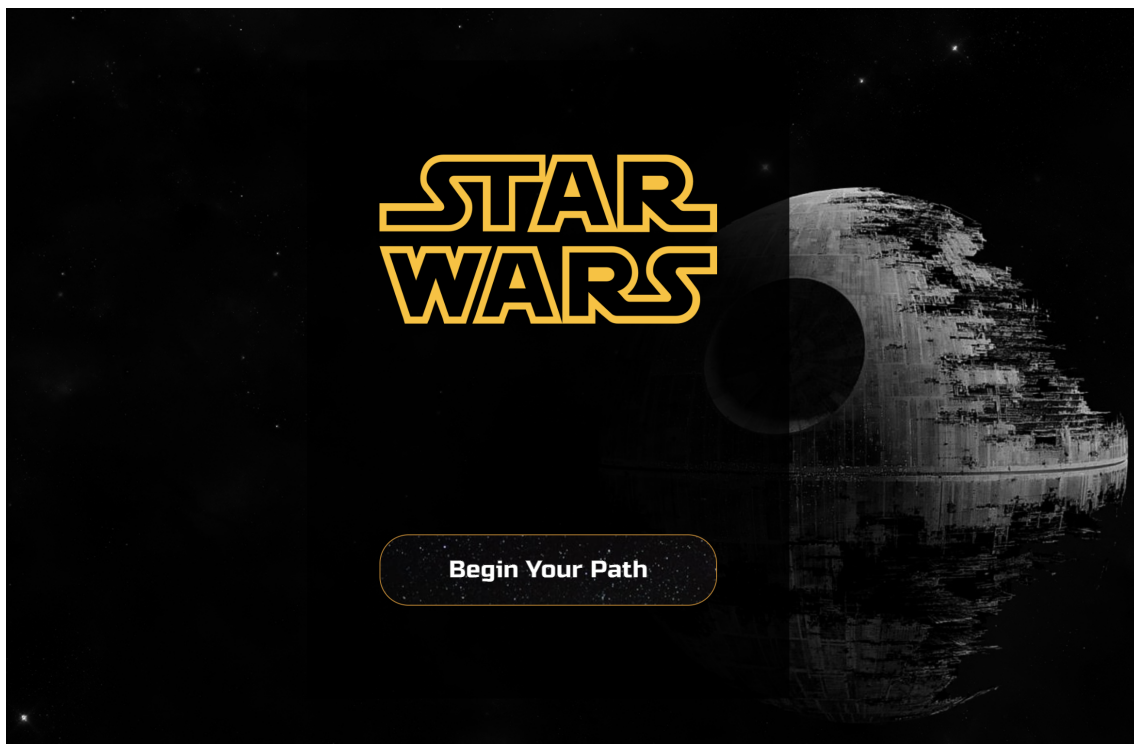
Chişinău, 2022

Task

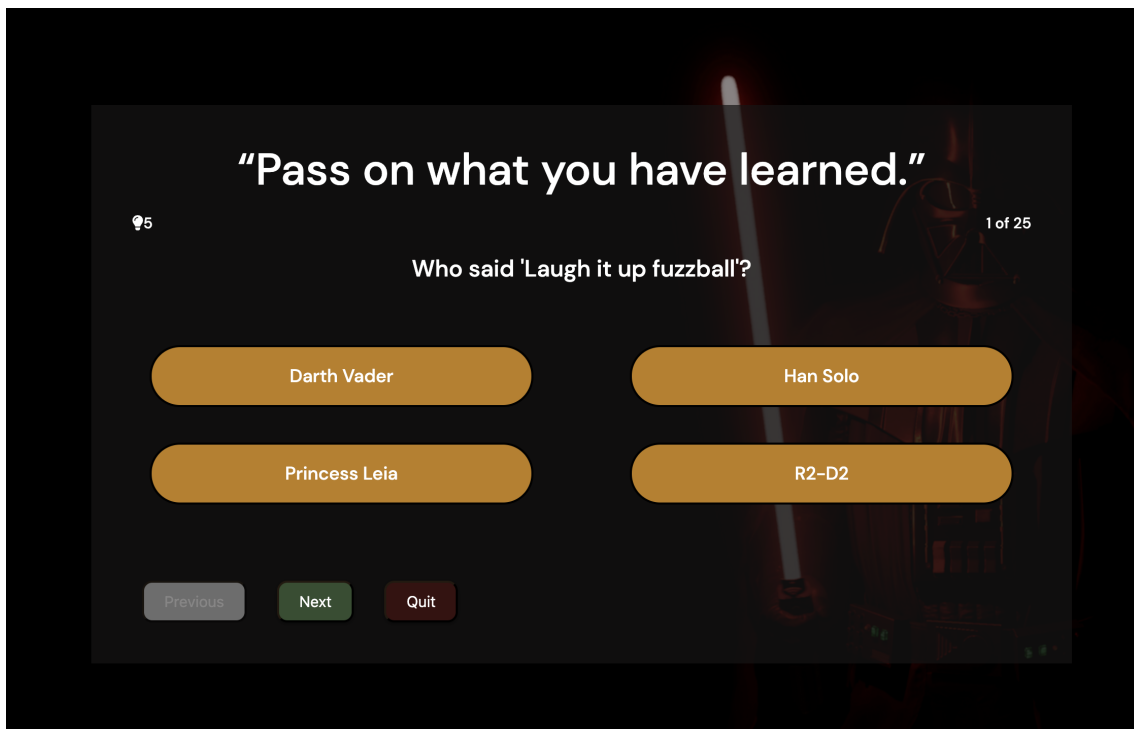
1. Pick a front-end framework;
2. Create a web app that has the following functions:
 - it shows a landing page with different quizzes;
 - the user can pick a quiz and play it;
 - after the game has ended, the user can see their score;
3. The app should have attractive UI.

Results

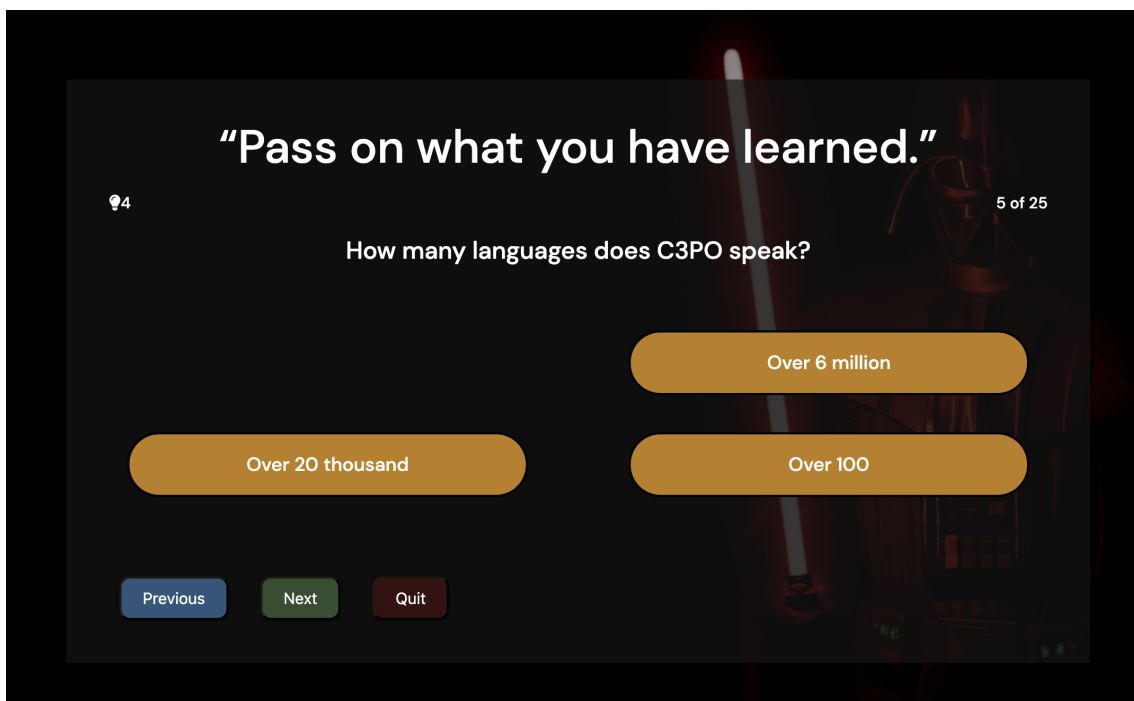
In this laboratory work, I made a quiz based on Star Wars universe. As a front-end framework I used React, for styling - Sass and Materialize. The features of this quiz are the background music and hints, that will eliminate an wrong option each time you press it.



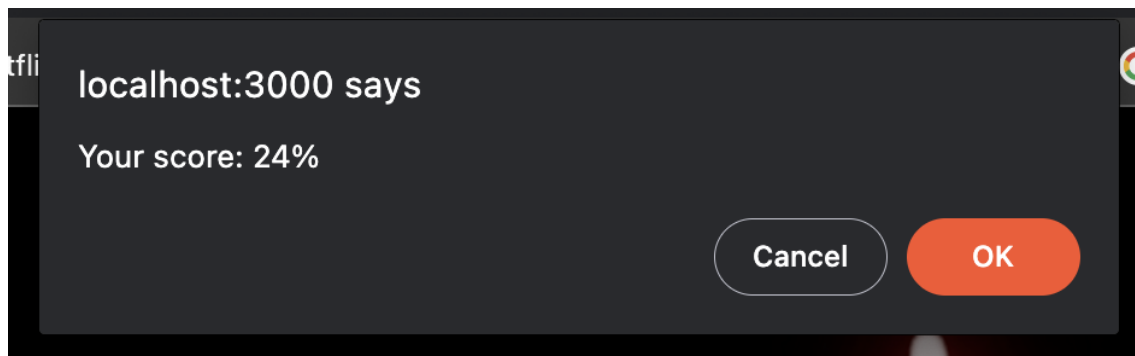
Here is the main page of the quiz. Pressing the button will lead you to the questions' page.



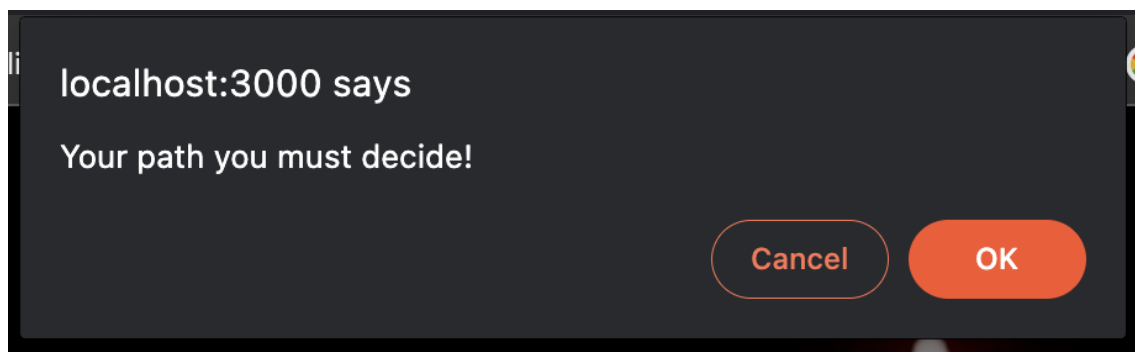
Here is the quiz page. On the top there are represented hint icon and number of questions.



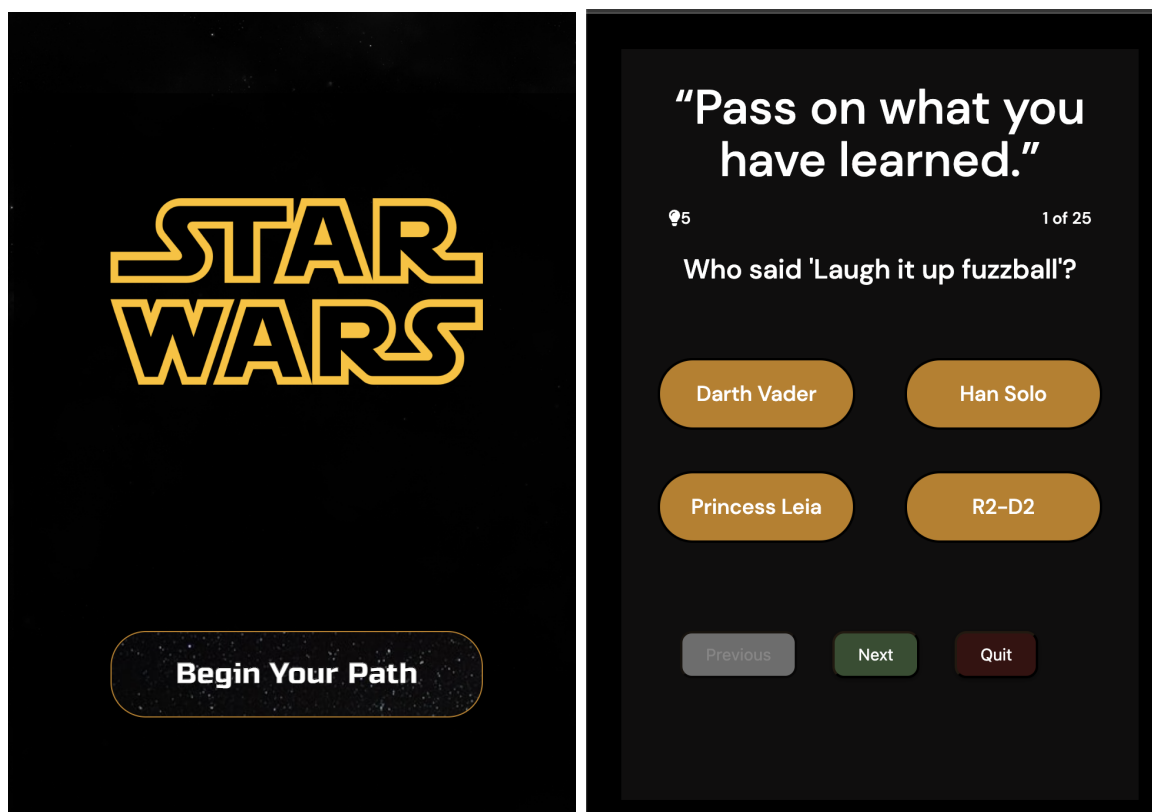
In this image is represented how hint works. After pressing hint icon it will eliminate one wrong option.



After finishing the quiz, will appear a window with the score.



After finishing the quiz either you can go back to main page or quitting the quiz, at any time, by pressing "quit" button.



In the images above is represented that app is responsive.

Conclusions

Throughout this laboratory work I strengthened my knowledge in JavaScript. I learnt how to use React and CSS extensions and libraries: Sass and Materialize. Also, I learnt how to add a background sound to an app and how to link pages to move through them.

References

- [1] JavaScript Documentation. <https://developer.mozilla.org/en-US/docs/Web/JavaScript> Accessed on April 29, 2022.
- [2] Quiz Tutorials https://www.youtube.com/results?search_query=react+quiz+app Accessed on April 29, 2022.
- [3] React Documentation <https://reactjs.org/docs/getting-started.html> Accessed on April 19, 2022 .
- [4] React Hooks Documentation. <https://reactjs.org/docs/hooks-intro.html> Accessed on April 29, 2022.
- [5] Latex Documentation. <https://www.overleaf.com/> Accessed on April 29, 2022.
- [6] Github link to the project. https://github.com/AnnDv/Web_lab_4 Accessed on April 29, 2022.