

Web Development Test

The main goal of this project is to create a web test in which a user can test their knowledge about web development. It will have 3 main pages: In the first one, the web will ask the user for a nickname; in the second one there will be the test with a progress bar on the top; in the last one, a ranking will appear with all the players of the session and their scores.

The ranking information will be stored in the browser's session storage in an array. In each position of the array will be an object with the nickname of the player, the score and a list with all the answers. It will be in the json format.

The questions will be in a javascript document also in json format. Will be a list of objects with the question, the number of answers, the format in which the answers will be shown (radio, checkbox or dropdown menu) and an array with all the answers.

Tasks to be performed:

1. Write questions and answers:

Write all the questions and their possible answers.

Difficulty: Easy

Estimated time: 1h.

2. Create homepage.html:

Create a html document that presents the test and asks your name

Difficulty: Easy

Estimated time: 15min.

3. Create test.html:

Create a html document where all the questions will be shown with a progress bar at the top.

Difficulty: Easy

Estimated time: 15min.

4. Create ranking.html:

Create a html document where the ranking will be shown.

Difficulty: Easy

Estimated time: 15min.

5. Create the data structure:

Create a data structure for the questions, answers, results and other information.

Difficulty: medium

Estimated time: 1h.

6. Change design:

Create a css document and change the style of the three html documents. They must be responsive.

Difficulty: Easy

Estimated time: 1.5h.

7. Create script to show questions:

Create a script to show all the questions one by one in a single html document.

Difficulty: Medium

Estimated time: 1h.

8. Create a script to submit the answer:

Create a script to submit the answer and store the result in memory.

Difficulty: Medium

Estimated time: 1h.

9. Script to change progress bar:

Create a script to change the progress bar

Difficulty: Easy

Estimated time: 10min.

10. Show ranking script:

Create a script to show the ranking.

Difficulty: Medium

Estimated time: 30min.

11. Animation for the progress bar:

Create a css animation for the progress bar

Difficulty: Easy

Estimated time: 30min.

12. Animation between questions:

Create a css animation between questions.

Difficulty: Medium

Estimated time: 30min.

Incidents detected during the project execution:

- During the development of the script to show the questions, some answers didn't appeared properly because they contained some html tags. To solve that I had to eliminate the "<" and ">" signs.
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Lessons learned:

- How to properly adapt a web project to a responsive design.
- How to animate with css3.
- How to manage a project alone with a deadline and not much time.

Calendar:

Day 1:

- Write questions and answers
- Create homepage.html
- Create test.html
- Create ranking.html

Day 2:

- Create the data structure
- Create script to show questions

- Create a script to submit the answer

Day 3:

- Change design
- Script to change progress bar
- Show ranking script
- Animation for the progress bar
- Animation between questions

Chronogram of the project:

	Day 1	Day 2	Day 3
Write questions and answers:	1h.	-	-
Create homepage.html	15min.	-	-
Create test.html	15min.	-	-
Create ranking.html	15min.	-	-
Create the data structure	-	1h.	-
Create script to show questions	-	1h	-

Create a script to submit the answer	-	1h	-
Script to change progress bar	-	-	10min.
Show ranking script	-	-	30min.
Change design	20min	10min	1h.
Animation between questions	-	-	30min.
Animation for the progress bar	-	-	30min.