



***Front-End Essentials***

**Training Assignments**


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| Technical Requirement: .....  | <b>Error! Bookmark not defined.</b> |

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|  | <table><tr><td>CODE:</td><td>Internship.FEE.P1.P002</td></tr><tr><td>TYPE:</td><td>LONG</td></tr><tr><td>LOC:</td><td>200</td></tr><tr><td>DURATION:</td><td>180 MINUTES</td></tr></table> | CODE: | Internship.FEE.P1.P002 | TYPE: | LONG | LOC: | 200 | DURATION: | 180 MINUTES |
| CODE:   | Internship.FEE.P1.P002   |       |                        |       |      |      |     |           |             |
| TYPE:   | LONG   |       |                        |       |      |      |     |           |             |
| LOC:  | 200  |       |                        |       |      |      |     |           |             |
| DURATION:   | 180 MINUTES  |       |                        |       |      |      |     |           |             |

## Build a JavaScript Quiz

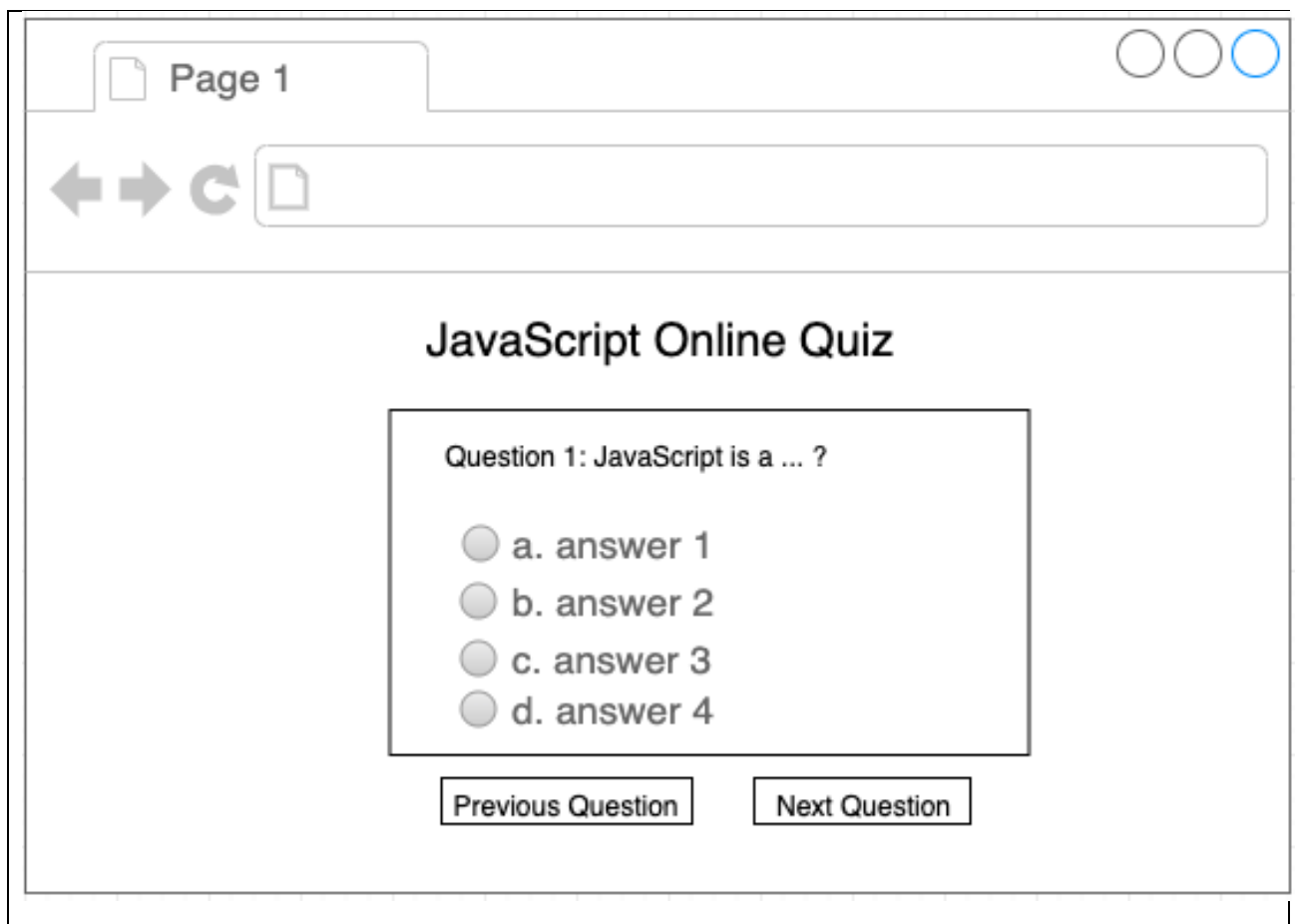
### Objective:

- Understand the core concepts of JavaScript programming language
- Understand the principles of Object-Oriented Programming (OOP)
- Able to utilize various OOP features within JavaScript
- Understand basic concept of DOM
- Able to add behavior to make web site dynamic using JavaScript (DOM)

### Specification:

You have to build an Online Quiz using JavaScript. The app consists of 3 mains parts (see below figure)

1. The title: JavaScript Online Quiz
2. The Question Container which contains the Question and a list of choice. User can only choose 1 answer from the list.
3. Button Group: Previous Question, Next Question, Submit



The screenshot shows a web browser window with a single tab titled "Page 1". The browser's address bar contains navigation icons (back, forward, refresh) and a document icon. The main content area displays the title "JavaScript Online Quiz" in a large, bold font. Below the title is a container for the quiz question, which reads "Question 1: JavaScript is a ... ?". Underneath the question are four radio button options: "a. answer 1", "b. answer 2", "c. answer 3", and "d. answer 4". At the bottom of the quiz container are two buttons: "Previous Question" and "Next Question".

Suppose we have 20 Questions in total.

If the current question is 1 (count from 1 to 20), only **Next Question** button is shown. Click on this button will show next question (in this case question number 2).

If current question is from 2 to 20, then **Previous Question** must be show. Click on that button will show previous question.

If you are at last question (Question number 20), you must show **Submit Quiz** button, and hide Next Question (there is no more next question). If user click on this button, you must show his/her total score below the Button Group

The screenshot shows a web browser window with a single tab titled "Page 1". The browser's address bar is empty. The main content area displays the title "JavaScript Online Quiz" in a large, bold font. Below the title, there is a question box containing the text "Question 1: JavaScript is a ... ?". Underneath the question, there are four radio button options: "a. answer 1", "b. answer 2", "c. answer 3", and "d. answer 4". At the bottom of the question box, there are two buttons: "Previous Question" and "Submit Quiz". Below these buttons, the text "10 out of 20" is displayed. The browser window has standard OS controls (minimize, maximize, close) in the top right corner.

### **Specification 2:**

You must extend the functionality of the app to support Question with Multi Choice without breaking the current flow.