



***Front-end Essentials***

**Training Assignment**

Document Code	25e-BM/HR/HDCV/FSOFT
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**RECORD OF CHANGES**

No	Effective Date	Change Description	Reason	Reviewer	Approver
1	30/May/2019	Create a new assignment	Create new	DieuNT1	VinhNV
2	07/Jun/2019	Update Fsoft Template	Update	DieuNT1	VinhNV

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CODE:	JS-E.M.A1202 (Quiz App)
TYPE:	Medium
LOC:	300
DURATION:	180 minutes

## Unit 11-12: DOM and Events

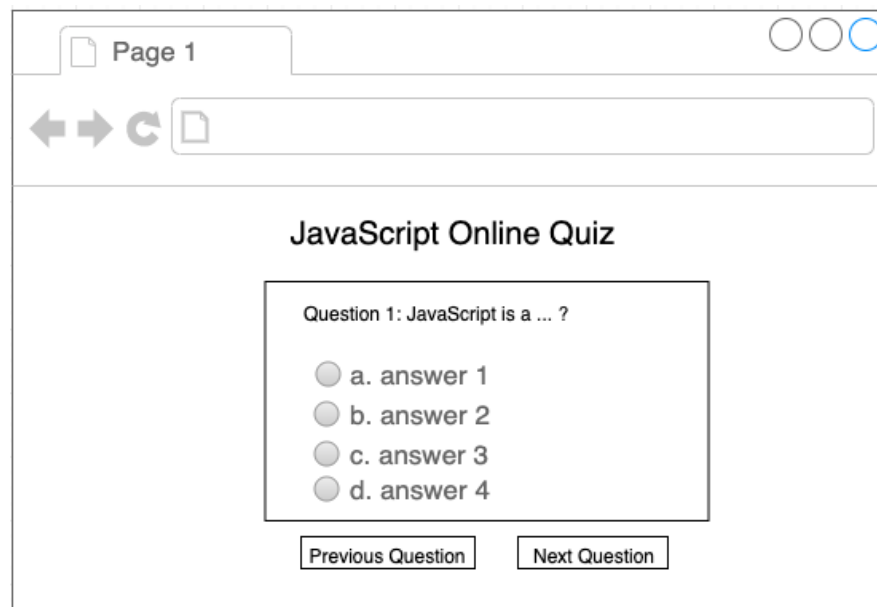
### Objectives

- Understand DOM and how to use DOM Events to interact with web page
- Understand Model-driven concept with working with DOM

### Specification:

You have to design an Online Quiz using OOP style. 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



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

Page 1

JavaScript Online Quiz

Question 1: JavaScript is a ... ?

☐ a. answer 1

☐ b. answer 2

☐ c. answer 3

☐ d. answer 4

Previous Question Submit Quiz

10 out of 20

Find below the list of questions represented in JavaScript:

```
1. const myQuestions = [
2.   {
3.     question: 'Javascript is _____ language.',
4.     answers: {
5.       a: 'Programming',
6.       b: 'Application',
7.       c: 'None of These',
8.       d: 'Scripting'
9.     },
10.    multi: false,
11.    correctAnswer: 'd'
12.  },
13.  {
14.    question:
15.      'Which of the following is a valid type of function javascript supports?',
16.    answers: {
17.      a: 'named function',
18.      b: 'anonymous function',
19.      c: 'both of the above',
20.      d: 'none of the above'
21.    },
22.    multi: false,
23.    correctAnswer: 'c'
24.  },
25.  {
26.    question:
27.      'Which built-in method returns the index within the calling String object of the
28.      first occurrence of the specified value?',
29.    answers: {
30.      a: 'getIndex()',
31.      b: 'location()',
32.      c: 'indexOf()',
33.      d: 'getLocation()'
34.    },
35.    multi: false,
36.    correctAnswer: 'c'
37.  },
38.  {
39.    question: 'Which one of the following is valid data type of JavaScript',
40.    answers: {
41.      a: 'number',
```

```
41.      b: 'void',
42.      c: 'boolean',
43.      d: 'nothing'
44.    },
45.    multi: false,
46.    correctAnswer: 'c'
47.  }
48.  ];
```

**Bonus:**

Extend the functionality of the app to support Question with Multi Choice without breaking the current flow.