*Front-end Essentials*

# Training Assignment

| Document Code | 25e-BM/HR/HDCV/FSOFT |
|---|---|
| Version | 1.1 |
| Effective Date | 7/1/2019 |

**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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## Contents

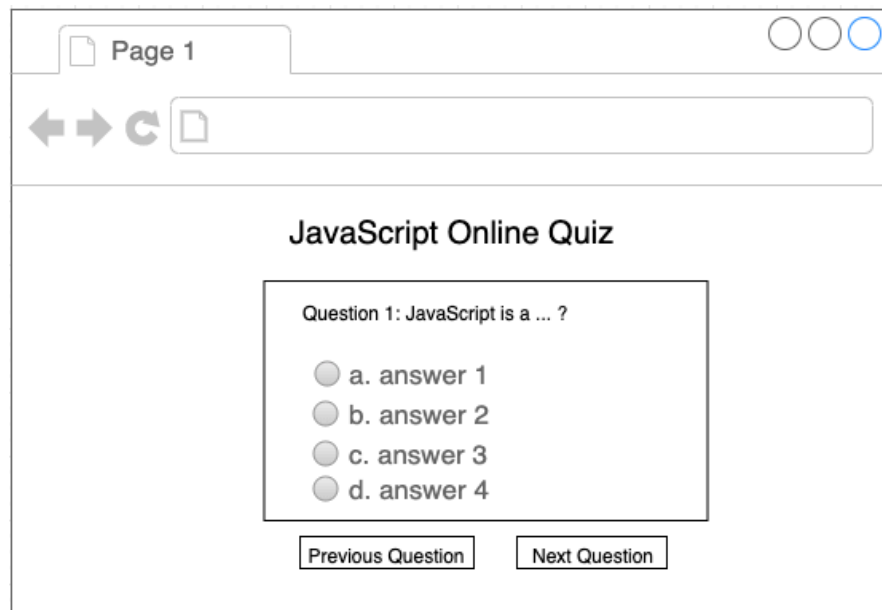| | | |
|---|---|---|
| **CODE:** | **JS-E.M.A1202 (Quiz App)** | |
| **TYPE:** | **Medium** | |
| **LOC:** | **300** | |
| **DURATION:** | **180 minutes** | |

## 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

Find below the list of questions represented in JavaScript:

```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
    first occurrence of the specified value?',
28.       answers: {
29.         a: 'getIndex()',
30.         b: 'location()',
31.         c: 'indexOf()',
32.         d: 'getLocation()'
33.       },
34.       multi: false,
35.       correctAnswer: 'c'
36.     },
37.     {
38.       question: 'Which one of the following is valid data type of JavaScript',
39.       answers: {
40.         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.

```
41.          b: 'void',
42.          c: 'boolean',
```