



JavaScript Essentials

Assignments


Document Code	25e-BM/HR/HDCV/FSOFT
Version	1.1
Effective Date	20/11/2012

RECORD OF CHANGES

No	Effective Date	Change Description	Reason	Reviewer	Approver
1	25/Jun/2018	Create a new Lab	Create new	DieuNT1	VinhNV
2	01/May/2019	Update Fsoft Template	Update	DieuNT1	VinhNV

Contents

Unit 11-12 – DOM and Events.....	4
Objectives:	4
Specification:.....	4
Functionalities:	5

	CODE:	JS-E.M.A1203
	TYPE:	Medium
	LOC:	N/A
	DURATION:	120 MINUTES

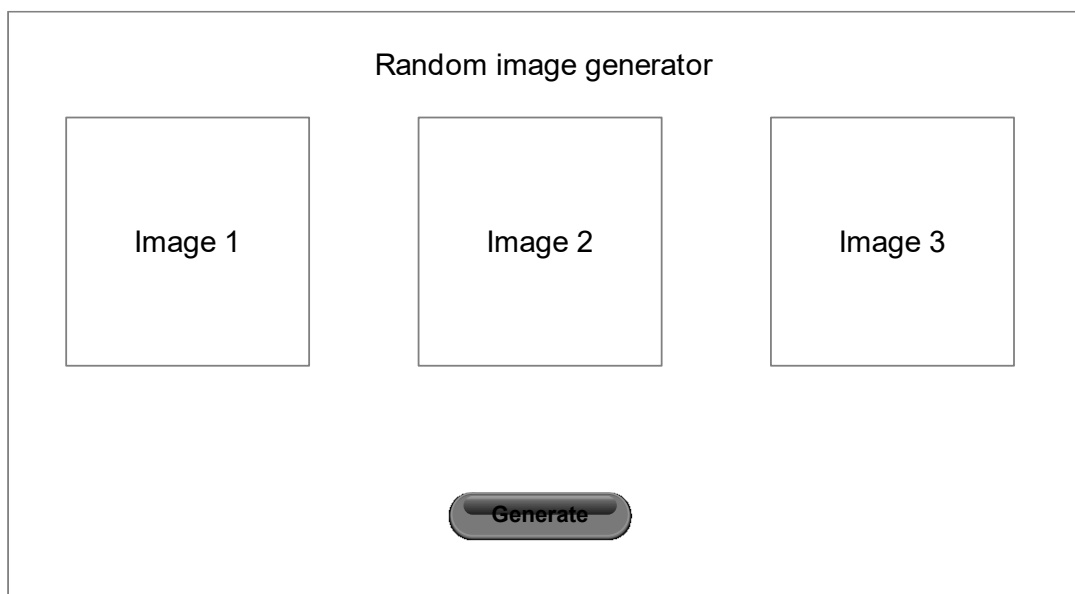
Unit 11-12 – DOM and Events

Objectives:

- Able to interact with HTML document using DOM
- Create a Random image generator app using JavaScript and DOM

Specification:

In this task, you must create a Random image generator app. The UI of the app look like figure below:



You are also given an array of images, each image is a object with some pairs of key and value (see code below):

```
1.
2.  var theImages = [
3.    {
4.      src: "https://i.picsum.photos/id/0/5616/3744.jpg?hmac=3GAAioiQziMGEtLbfrdbcoenXoWAW-zlyEAMkfEdBzQ",
5.      width: "300",
6.      height: "300",
7.    },
8.    {
9.      src: "https://i.picsum.photos/id/1001/5616/3744.jpg?hmac=381kvX7tHXm1NbI0HzZbtkJ6_wpWyqvKX4Ty6vYE1ZE",
10.     width: "300",
11.     height: "300",
12.   },
13.   {
14.     src: "https://i.picsum.photos/id/1010/5184/3456.jpg?hmac=7SE0MNAloXpJXDxio2nvoshUx9roGIJ_5pZeJ6qdxXs",
15.     width: "300",
16.     height: "300",
17.   },
18.   {
19.     src: "https://i.picsum.photos/id/1005/5760/3840.jpg?hmac=2acSJC0wz9q_dKtDZdSB-OIK1HUcwBeXco_RMMTUgfy",
20.     width: "300",
21.     height: "300",
```

```
21.  },
22.  {
23.    src: "https://i.picsum.photos/id/100/2500/1656.jpg?hmac=gWyN-7ZB32rkAjMhKXQgdHOIBRHyTSgzuOK6U0vXb1w",
24.    width: "300",
25.    height: "300",
26.  },
27.  {
28.    src: "https://i.picsum.photos/id/102/4320/3240.jpg?hmac=ico2KysoswVG8E8r550V_afIWN963F6ygTVrqHeHeRc",
29.    width: "300",
30.    height: "300",
31.  },
32. ];
```

Functionalities:

- Generate button: once clicked, you must choose 3 **random** images from the array of images (without duplicate) and display them on the screen.

-- THE END --