



JavaScript Essentials

Assignments

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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

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

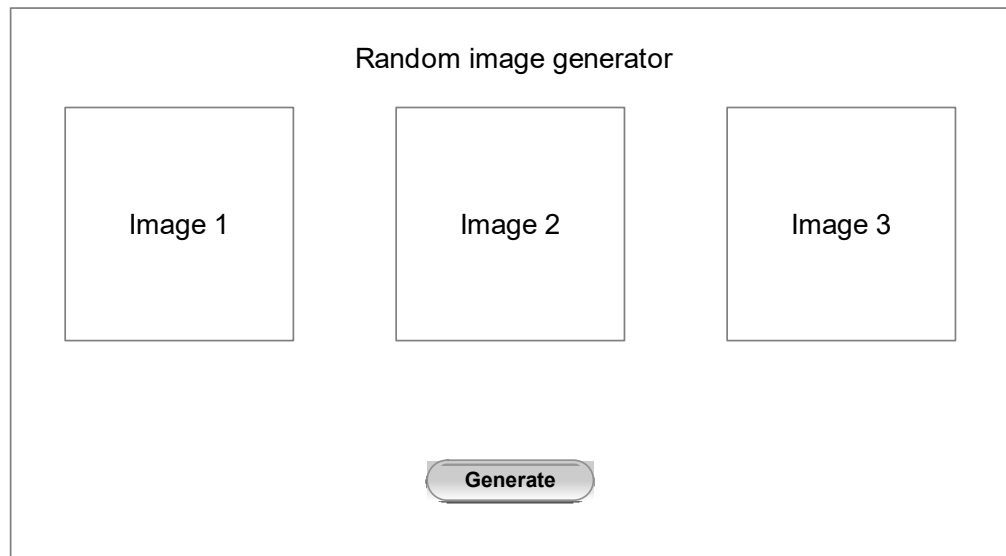
Unit 11-12 – DOM and Events

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. var theImages = [  
2.   {  
3.     src: "https://i.picsum.photos/id/0/5616/3744.jpg?hmac=3GAAioiQziMGEtLbfrdbcoenXowAW-zlyEAMkfEdBzQ",  
4.     width: "300",  
5.     height: "300",  
6.   },  
7.   {  
8.     src: "https://i.picsum.photos/id/1001/5616/3744.jpg?hmac=381kvX7tHXmINbI0HzZbtkJ6_wpWyqvKX4Ty6vYE1ZE",  
9.     width: "300",  
10.    height: "300",  
11.  },  
12.  {  
13.    src: "https://i.picsum.photos/id/1010/5184/3456.jpg?hmac=7SE0MNAloXpJXDxio2nvoshUx9roGIJ_5pZeJ6qdxXs",  
14.    width: "300",  
15.    height: "300",  
16.  },  
17.  {  
18.    src: "https://i.picsum.photos/id/1005/5760/3840.jpg?hmac=2acSJC0wz9q_dKtDZdSB-OIK1HUcwBeXco_RMMTUgfy",  
19.    width: "300",  
20.    height: "300",  
21.  }  
22. ]
```

```
21. },
22. {
23.   src: "https://i.picsum.photos/id/100/2500/1656.jpg?hmac=gWyN-7ZB32rkAjMhKXQgdH0IBRHyTSgzuOK6U0vXb1w",
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 --