

Lab-5: Bootstrap and jQuery

Introduction to Software Systems | Monsoon 2021

We'll continue working on the same page that you worked on in the last lab.

1 Bootstrap

1.1 Introduction

1. Bootstrap is a free front-end framework for faster and easier web development.
2. Bootstrap includes HTML and CSS based design templates for typography, forms, buttons, tables, navigation, modals, image carousels and many other, as well as optional JavaScript plugins.
3. Bootstrap also gives you the ability to easily create responsive designs.
4. **To learn Bootstrap:** [LINK1](#) or [LINK2](#)
5. To download Bootstrap go [here](#) and follow the instructions.
6. Alternatively, add the following to the `<head>` of your html pages:

```
<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css" >
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js" ></script>
<script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js" ></script>
```

1.2 Task

Use only classes provided by bootstrap for applying CSS for all the below listed tasks (You can keep the CSS of the last submission as it is).

1. The three buttons should be given large, small and extra small size and identify yourself which classes would give them the colors shown in the Fig. [1](#).
2. The first image and third image should have rounded corners and the second image should have a circular shape.

3. Make a table with appropriate title and populate it with three paragraphs in first three rows. Find out which classes would make the table look similar to that in the Fig. 1.

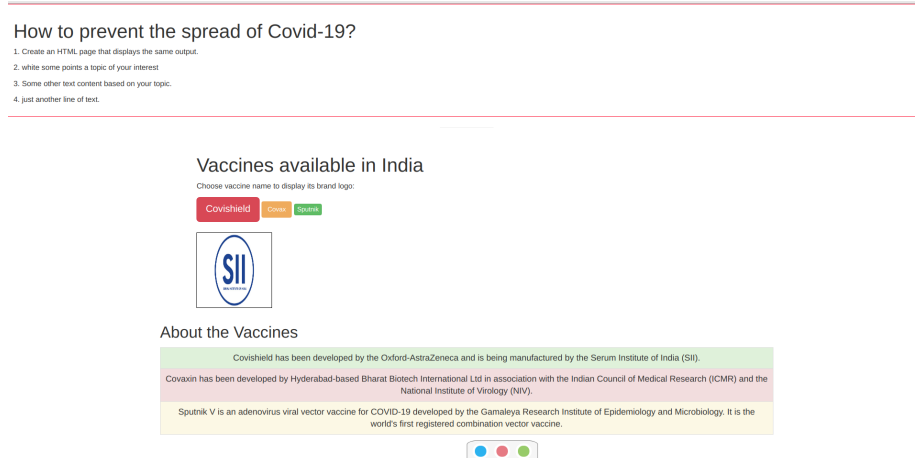


Figure 1: Final Frontend deliverable

2 jQuery

2.1 Introduction

1. JQuery is a library for Javascript which essentially simplifies the syntax of a lot of common javascript functionalities.
2. To learn jQuery: [LINK1](#) or [LINK2](#)
3. Download jQuery for local use: [LINK](#)
4. Alternatively, add the following to the <head> of your html pages:

```
<script src = "https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>
```

 Or

```
<script src = "https://ajax.aspnetcdn.com/ajax/jquery/jquery-3.3.1.min.js"></script>
```

2.2 Task

1. The first element (The bordered p tag which has 4 points on the topic you chose) of the page should change its background colour once the mouse pointer enters it while it should change back to normal once the mouse pointer leaves it.

2. For Table you created in the task 1.2
 - (a) If you double click the first row the text of that row should become bold.
 - (b) If you single click the first row the text should revert back to normal.
 - (c) If you click the second row, the row should disappear.
 - (d) If the mouse pointer enters the third row the row should fade out.
 - (e) If the mouse pointer leaves the third row the row should fade in.