

# Thought Note

## Topic: Bootstrap Module Project(Module Assignment-3)

In this Bootstrap project, I prepare 6 HTML documents and a CSS stylesheet. The main Home HTML page is “index.html”. Most of the features are taken from the Bootstrap framework like grid layout, card, button trigger modal, etc. So let's begin with the steps:

- “Index.html” consist of 4 cards, each card explains about the profile of popular celebrities and business mens like John Abraham, Jeff Bezos, Bill Gates and Mukesh Ambani. But the main focus is the card and page responsiveness.
- For making cards responsive, don't adjust their width, instead use their column slots for each possible screen because width is adjusted equally to all 12 columns whenever the size of screen changes.
- “Style.css” file is use only to adjust the background colour of the whole body whenever the screen size changes.
- ‘shadow’ is a bootstrap class which is used to make shadow effect in each card.
- Images has been taken from different websites and all having same intrinsic aspect ratio of 16:10.
- For text inside each card, we use ‘Lorem65’ which is a predefined feature of visual studio code for to add text.
- Each card has a button(with the help of ‘class=btn btn-primary’) with the link(from anchor tag) associated to their own info-page.
- About navigation bar, we use ‘class=nav nav-pills’ to create a navigation bar inside the unordered list. And the navigation bar consist of four buttons:
  - ★ Home (home button consist of a primary button with a link [with the help of anchor tag]).
  - ★ Profiles (This consist of a dropdown of 4 webpages attached with their own HTML info-page with the help of href attribute in anchor tag).
  - ★ Contact Us (This one takes you to the form page where you fill the details which is necessary for us[requirement of this project]).
    - In this page we create a ‘container’ class with margin-top-5(mt-5) and ‘row’ class with the gapping of 4(gy-4[when elements arrange in a row because of reducing screen size, so spacing between each row is needed]).
    - Creating a ‘col’ class with ‘col-md-6’ for ‘firstname’ and ‘lastname’.
    - In the First Name column, ‘firstname’ is the the ‘id’ of input tag which is going to attach our label tag, so in this way we connect both of them together and similar steps perform with all column form elements.
    - Creating a ‘col’ class with ‘col-md-8’ to store an email-id.
    - Creating a ‘col’ class with ‘col-md-4’ to store a Phone number.
    - Creating a ‘col’ class with ‘col-md-12’ to store a message. For this we specially use <textarea> with 3 rows.

- ☐ Creating a button with 'col-md-12' which is a submit button and have a green colour.
- ☐ All the field is set to be 'required' , which means you cannot submit the form without filling all the details.
- ☐ Make sure that we don't leave any space between opening and closing tag of textarea because it causes an issue of creating whole bunch of extra negative space.

★ Logout (This is a button trigger modal)

- ☐ The colour of the button set to be as light with the help of 'btn-light' class.
- ☐ Setting data-bs-toggle as 'modal'.
- ☐ The main modal layout consist of different classes of bootstrap like modal-title, modal-dialog, modal-body, etc.
- ☐ This will make our logout button working and bring a nice looking pop-up lightbox with some content in it. It can also act as a warning for websites in case of logout, form submissions, etc.

- One thing i learned about responsiveness is that it follows descending order, like taking main 'index.html' page. If we remove 'col-lg-3' from "index.html" page then the large screen take the input of 'col-md-4' and similarly removing 'col-md-4', it follows the command of col-sm-6, and that's how the responsiveness of the page shifts but it didn't loose its responsive nature although but the size of the content may vary with this.