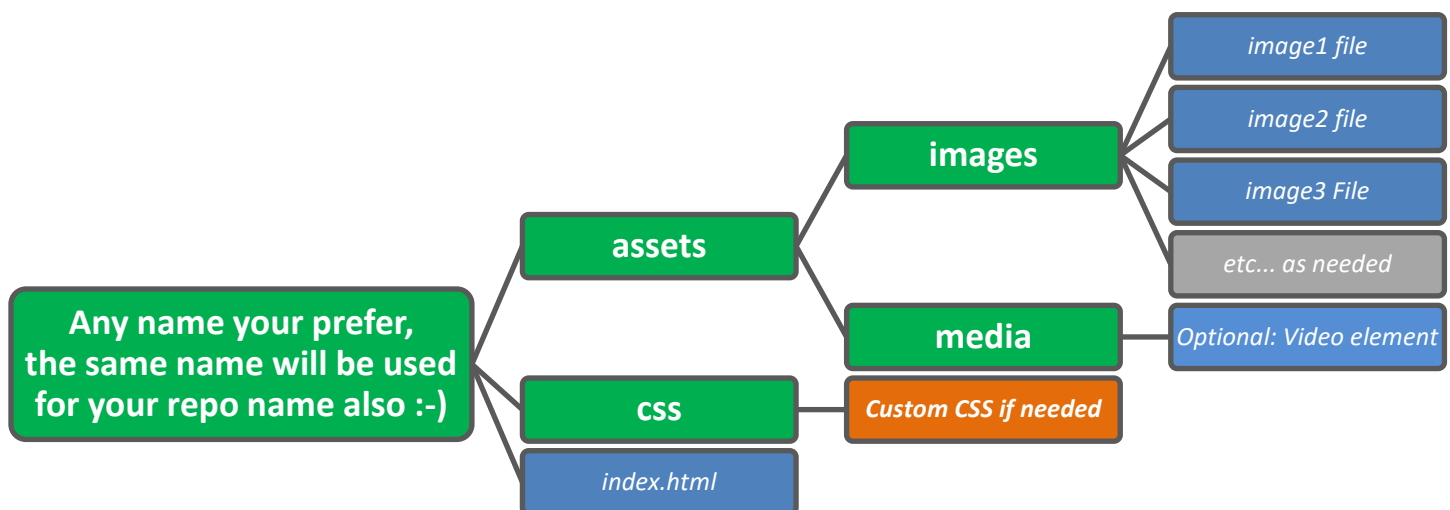# Bootstrap Lab Work
Advanced Web Programming

Important Notes:

- **This lab must be done individually. Do not share your work with others, it's not a group lab-work**
- The lab should be **submitted** (online - GitHub Account) **before the due date** in order not to lose marks *(Please inform me if you have any issue in accessing your Github)*
- Follow the **exact naming rules** for all your lab-work files as explained in the instructions and shown in the diagram
- **At the end of this task**, you should have a folder with any name to reflect your lab work

  Example: "bootstrap-lab" or any other descriptive name you prefer
- **Submit**
  - The **link to your GitHub Repo** that contains all the files/folders of this lab
  - **You can name the repo/lab-work with any name you prefer**
  - Make sure to make **one repo folder** that contains all the lab files plus the other folders
  - The repo **MUST contain a README file** that contains **link to the website live demo**, you can make the hyperlink text to be "Live demo" for example, and when it's clicked it should open the live demo by using GitHub pages
    - Hint: Refer to my PDF file and GitHub lecture for the live demo

  (5 Marks)

Lab-Work Folder Structure:

Lab-work Contents:

This Lab-work will be a demonstration of your skills in **using Bootstrap to create an entire fully responsive website with all the modern contents and effects.**

IMPORTANT HINT:

Make sure to validate all your HTML pages by using the Free Online Tool before answering this lab questions:
Link: https://validator.w3.org/
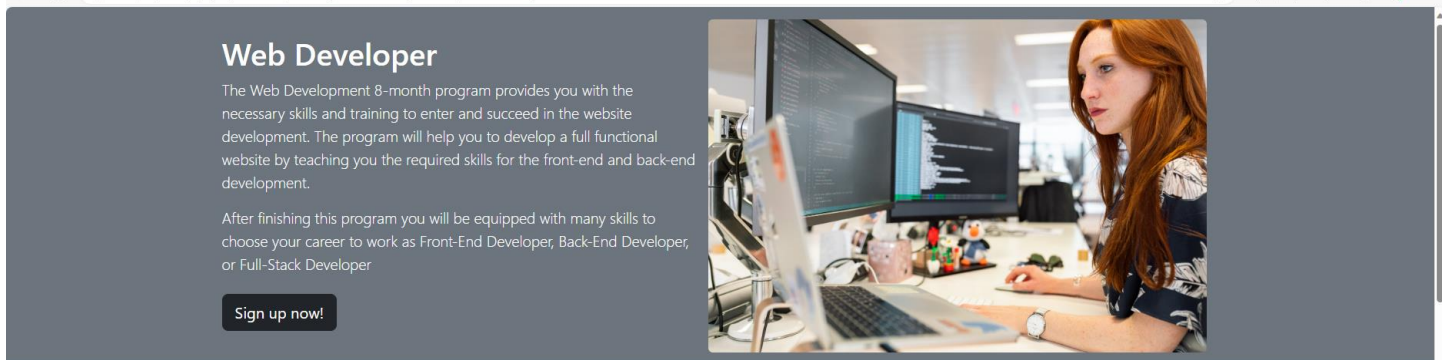
Lab-work Instructions:

1. All the lab-work files and subfolders must be **inside** a **root folder** for example: **BS-Lab-work**
2. Modify the website **folder structure** to look **exactly** like the **diagram** in the first page. **Notice that**
    *   **The folders have green colours with large and bold fonts**
    *   **The files names (with their extensions) are in blue boxes with a smaller font size and italic style**
    *   **The main HTML file is placed directly inside the lab-work root folder (BS-Lab-work)**
    *   **The two folders "css and assets" are also directly inside the lab-work root folder**
    *   **Inside the folder "css" you will create the external .css file [External CSS]**
    *   **Folder "assets" has two subfolders "images and media"**
    *   **Optional: Folder "media" for saving your video file of type mp4**
    *   **Folder "images" contains only all the images files that you will use in your lab-work**
3. Instead of creating multiple .html pages, you will put them all in one page "index.html" and using the navigation to scroll up/down to reach or view each related content
4. Do not use the colour names like "red" or "blue" in CSS, **use Hex, RGB, RGBa, HSL, or HSLa values** instead. For more ideas about the colours and themes, you can use:
    a. **Adobe Color CC: color.adobe.com**
    b. **W3Schools Colors Picker:** https://www.w3schools.com/colors/colors_picker.asp
5. The website **colour themes should be selected professionally** to look elegant and harmonized. Make sure to have **good contrast** between the foreground and the background colors even if you have the freedom to chose any colours you like
6. Marks will be deducted for many unnecessary, duplicated or unused rules you add to your CSS file
7. Before every BS component, **you need to write a short comment** to describe it briefly
8. You will have to use your own contents and images
9. To review the full lecture with the README file that contains all the useful link:
    a. https://github.com/anmarjarjees/bootstrap5-website-sample/tree/master
10. Example of the full website (output):
    a. https://anmarjarjees.github.io/bootstrap5-website-sample/
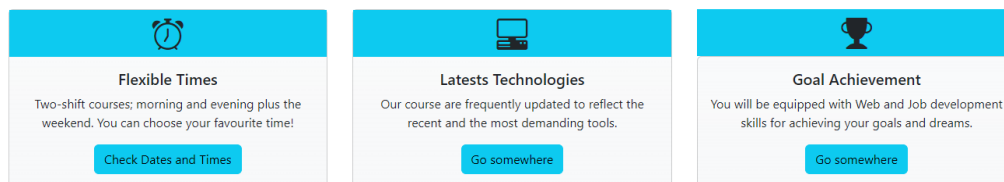
(10 Marks)

Part#1:

1. Add the full main section of your page
2. A section that has:
   a. A brief info about your website
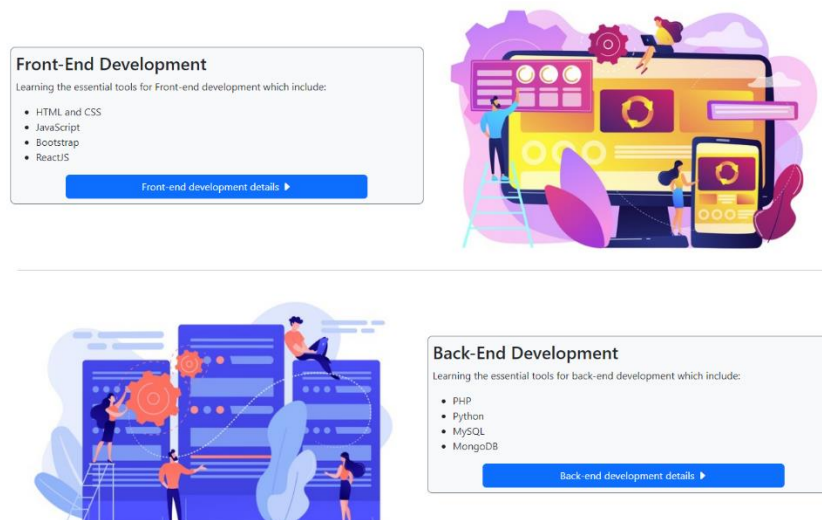   b. An image
   c. A button to sign up

Example:

3. A section to create 3 separate div elements, each div has 4 contents:
   a. A Symbol (Icon image)
   b. A Heading
   c. A Paragraph
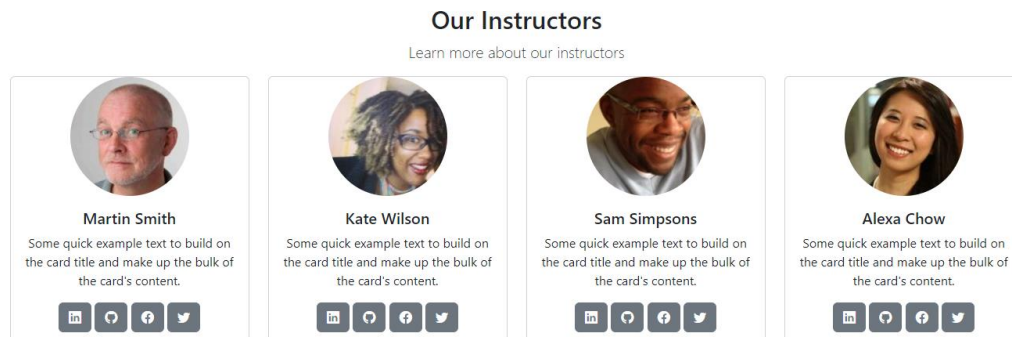   d. A button with any title you prefer

Example:

4. A section to that contains two div.row element, each div.row has two items:
   i. First Div.row ➔ a description on the left with an image on the right
   ii. Second Div.row ➔ an image on the left with a description on the right

Example:

5. A section for a people, employees, students, or any group relevant to your website content
   a. 4 div for 4 people
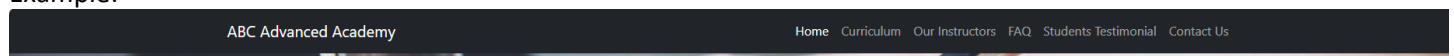   b. Each div has an image with a heading and a short paragraph

Examples:

Code Link: https://github.com/anmarjarjees/bootstrap5-website-sample/blob/master/bs3-basic-components.html

(40 Marks)

Part#2:

1. Add responsive navigation bar at the top

Example:

Coe Link: https://github.com/anmarjarjees/bootstrap5-website-sample/blob/master/bs4-nav-accordion.html

(15 Marks)

Part#3:

1. Add carousel content with navigation lines and left/right arrows

Example:

Code Link: https://github.com/anmarjarjees/bootstrap5-website-sample/blob/master/bs5-carousel.html

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(10 Marks)

Part#4:

1. Add accordion contents with at least 4 heading and contents

Example:

Frequently Asked Questions

What I will learn?	⌄
Should I have any experience before joining this program	⌃
No need, as this program is designed to take you from A to Z.	
Can I take this program in the weekends only?	⌄
Can I use PC or MAC computer	⌄

Code Link: https://github.com/anmarjarjees/bootstrap5-website-sample/blob/master/bs4-nav-accordion.html

(10 Marks)

Part#5:

1. Add Contact Section with 2 div elements:
    a. Div1: Using Form content with any number of fields or controls you like
    b. Div2: Using list or paragraph

Example:

Get in touch

Full Name

Write your full name to be used when we contact you.

Email address

We'll never share your email with anyone else.

Your Message

☐ Receive an update about our new courses!

Send Message

Contact Info

Our Location: 1234 Yonge Street, Q1W2E3, Toronto, On

General Enquiry Contact Number: 1-800-123-1234

Student Care Centre Number: 1-800-123-1122

General Enquiry Email: info@abcadvancedacademy.com

Registration Email: register@abcadvancedacademy.com

Code Link: https://github.com/anmarjarjees/bootstrap5-website-sample/blob/master/bs6-forms.html

(10 Marks)

Happy Coding ☺