CMPS 356 Enterprise Application Development
Lab 1 – HTML Basic Tags, Tables & Forms

Objective

Learn and practice how to write:
1. Simple HTML page using HTML5 semantic tags and basic tags such as <h1> to <h6>, <p >, <br>, and <!-- -->
2. HTML Tables: HTML tables allow web authors to arrange data such as text, images, links into rows and columns.
3. HTML Forms: HTML Forms are used to collect some data from the user. For example, during user registration a form can be used to collect user details such as name, email address, phone number etc.

Overview

This lab has four parts.
- **In Part A**, you will be required to write a simple HTML page which demonstrates the basic HTML tags.
- **In Part B**, you will design a second page that has an HTML table.
- **In PART C**, you will design a third page that has an HTML form.
- **In PART D**, you will combine the skills you acquired in PARTs A,B and C and create a simple Book Donation Website

After you complete your work you will push it to your cmps356 GitHub repository under the folder named "Lab1-HTML".

Preparation

1. If not done already, visit https://github.com/cmps356s19 or https://github.com/cmps356fs19 and clone your private repository (named YourFirsname-QuUsername-repo).
2. Save the files produced in this Lab under the folder named Lab1-HTML
3. At the end of the Lab push your work to your Github Repository.

Part A - Basic HTML Tags -Warmup activities

1. Create an html file and name it index.html and type the following code.

```
<html>
    <head>
        <Title>The First Page</title>
    </head>
    <body>
        This is my first html program!
    </body>
</html>
```

2. Run your code on the browser.

3. Open the following website and explore basic HTML tags using
   https://www.w3schools.com/html/default.asp
   a. Heading [h1 to h6]
   b. Paragraph
   c. Link and Anchors
   d. Quotations and Citations
   e. List [type= "I" , "a", "A", "i"]
   f. Sematic Tags [header , nav , main, section , article , aside , footer]
   g. Tables
   h. Image
   i. Audio
   j. Video [https://pixabay.com/en/videos/] [controls , autoplay]
   k. IDs
   l. Forms , Input Types [text, date , color …]

Exercise 1 – HTML Basic Tags and Semantics

Create the following page

Exercise 2 HTML Tables

1. Create an html file and name it **my-table.html**.
2. Design a page that has a single table that looks like the table 1 shown below.

Table 1 : HTML table

Book ISPN	Book Name	Authors		Donator Name
		First	Second	
978-148410-0		John bank	Baba Ali	Ali Mohamed
Extra Book				
278-148410-0		Doe wu	Donald Kerry	Abdulahi Hassen
478-148410-0		Tyler Sky	George Bush	Mohamed Ali
All books can be claimed from our office in H209				

Exercise 3. HTML Forms

1. Create a file named forms.html.
2. Design a form that looks like the following form shown below.
3. You should not allow any of the field to be submitted unless they meet the requirement.

PART D
Assessment 1 - HTML
Due Date Wednesday By 12:00PM

Create a project called **Assessment-1-HTML** and add the following three html pages .
   a) index.html
   b) time-table.html
   c) registration.html

The design of the pages are shown below.
   a) The **index.html** should look as follows . Also, at the bottom of the index page you should have the three links that take you to the different pages. **[40]**

You are allowed to use any image from Google to replace the image shown above. Also, do not forget to structure your project. The images should be inside the img folder.

b) The **timetable.html** file should have a single table that has the following design.
Note: Make sure to use the proper border, colspan , rowspan, header on your table design.
[20]

Table 1 : TimeTable

Spring 2020 Time Table						
		Sun	Mon	Tues	Wend	Thu
Hours	8am to 9:50am	Java	Calculus	Physics	Databases	English
	10am to 11:50am	Arabic	French	History	Social	
	12pm to 1 pm	Lunch				
	1pm to 2:50pm	C++		Math	Swimming	Project
	3pm to 4:50pm	Sport		Reading at Library		

c) The **registration.html** file should have a single table that has the following design. Make sure all the fields are validated. **[40]**

After you complete the lab:
   (1) Fill in the **Lab1-TestingDoc-Grading-Sheet.docx** and save it under the Assessments folder inside your repository. Not submitting the testing **sheet -15% of the grade**.
   (2) Put **your solution code** under the Assessment folder and Publish your work to Github repo