CMPS 356 Enterprise Application Development - Spring 2018 Lab 1 – HTML Basic Tags, Tables & Forms

Objective

Learn and practice how to write:

- 1. Simple HTML page using basic tags such as <h1> to <h6>, ,
, 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 three 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.

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/cmps356s18 and clone your private repository (named YourFirsname-QuUsername-repo).
- 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.

Warmup activities

Explore basic HTML tags using https://www.w3schools.com/html/default.asp

- a. Heading [h1 to h6]
- b. Paragraph
- c. Link
- d. Image
- e. Audio
- f. Video

Part A - Basic HTML Tags

- 1. Inside the **Lab1-HTML** folder create a three files and name them as follow:
 - a. Index.html

- b. timetable.html
- c. registeration.html
- 2. Open the Lab1-HTML folder using Webstorm.
- 3. Now open the index.html file and add the necessary html content required to produce the webpage shown below in figure 1.

Note: At the bottom of the page the three underlined text are links that reference the following pages:

- a. Check Registration Form hyperlink should open the registeration.html file
- b. Check Time table for semester hyperlink should open the timetable.html

Qatar University Fiction Website

Facts and Figures



Fig. 1 OU Campus

Since its inception in 1973, Qatar University has become the country's national and major institution of higher education. Did you know that QU delivers 4 highly-popular high school initiatives -- Life is Engineering, Gasna, Computing Contest, and Al Bairaq?

Other Interesting Facts

- For the first time, Qatar University (QU) has been featured in the Times Higher Education World University Rankings in the 601-800 group. QU has also scored the highest for International Outlook among all the other universities this year.
- 3. This year, the Ranking had 70 countries in it out of which 29 were first timers. This is the first time that countries like Qatar, Indonesia, Malaysia, Ghana, Nigeria, Bangladesh, Latvia, Oman and Ukraine have been featured in it.
- 4. The countries were ranked partly based on the publication and citation data from the world's largest abstract and citation database of peer reviewed literature called the Elsevier's Scopus.

 5. The Editor of the Rankings, Phil Baty, has commented as, "Qatar is one of several countries to have made its debut in this year's rankings. The achievement is in part due to expanding the
- ranking to include 801 universities and 70 countries.' Annual of include 30 indiversities and 70 countries. A countries of Among the Middle Eastern countries, Iran leads with 8 universities in the top 800. Egypt and Saudi Arabia with 3 universities, Jordan and UAE with 2 universities and Qatar, Lebanon, Morocco and Oman with 1 university each in the top 800 list.

 7. In the African region, South Africa leads with 6 universities in the top 800.
- Check Registration Form
- · Check Timetable for the semester
- · Visit Qatar University Main Page

Visit Qatar University hyperlink should open the QU website http://www.qu.edu.qa

Figure 1: Simple Webpage

Part B - HTML Table

- 1. Open the timetable.html file.
- 2. Design a page that has a single table that looks like the table 1 shown below. Note:

Note: Make sure to use the proper border, colspan, rowspan, header on your table design.

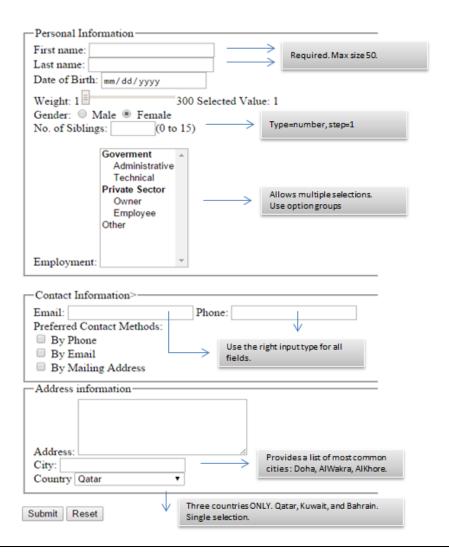
Table 1: HTML table

List of Required General Core Courses:

| Course ID. | Course Title | No. Credit Hours | No. Contact Hours | | New Course (Yes/ No) |
|------------|--|---------------------------|-------------------|------|----------------------|
| | | | Theo. | Lab. | New Course (Tes/ No) |
| DENG-620 | Applied Research Methodology | 3 | 3 | 0 | No |
| DENG-621 | Graduate Seminar | 3 | 3 | 0 | No |
| | Choose only any THRE | E course of the following | basket: | | |
| DENG-622 | Advanced Numerical Techniques | 3 | 3 | 0 | No |
| DENG-623 | Advanced Probability and Statistical Methods | 3 | 3 | 0 | Yes |
| DENG-624 | Innovation and Technology Managemen | 3 | 3 | 0 | No |
| DENG-625 | Sustainable Development | 3 | 3 | 0 | Yes |
| DENG-626 | Modeling and Simulation | 3 | 3 | 0 | Yes |

Part C - HTML Forms

- 1. Open the **registration.html** file that you have created earlier.
- 2. Design a form that looks like the following form shown in Figure 2.



After you complete the lab:

- (1) Fill in the Lab1-TestingDoc-Grading-Sheet.docx and save it in Lab1-HTML folder
- (2) Sync your repository to push your work to Github.