

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>, <p>,
, 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 cmeps356 **GitHub** repository under the folder named "Lab1-HTML".

Preparation

1. If not done already, visit <https://github.com/cmeps356s18> and clone your private repository (**named** YourFirstname-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.

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

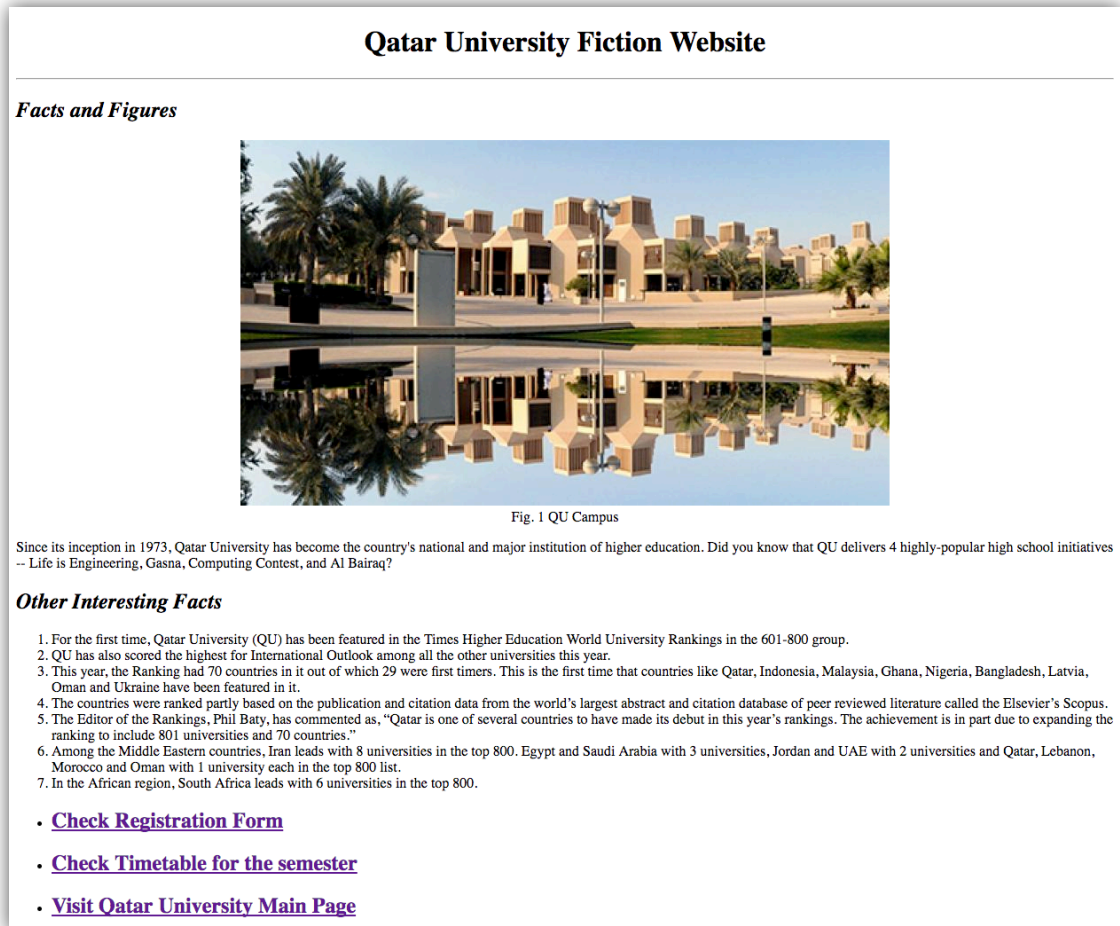
Part A - Basic HTML Tags

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

- b. timetable.html
- c. registration.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 **registration.html** file
- b. **Check Time table for semester** hyperlink should open the **timetable.html**



- c. **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.	
DENG-620	Applied Research Methodology	3	3	0	No
DENG-621	Graduate Seminar	3	3	0	No
Choose only any THREE 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.

Personal Information

First name: → Required. Max size 50.

Last name: →

Date of Birth: mm/dd/yyyy

Weight: 1 300 Selected Value: 1

Gender: ☐ Male ☒ Female

No. of Siblings: (0 to 15) → Type=number, step=1

Employment:

Government
 Administrative
 Technical
 Private Sector
 Owner
 Employee
 Other

 → Allows multiple selections. Use optiongroups

Contact Information

Email: Phone: → Use the right input type for all fields.

Preferred Contact Methods:

☐ By Phone

☐ By Email

☐ By Mailing Address

Address information

Address:

City: → Provides a list of most common cities: Doha, AlWakra, AlKhore.

Country: Qatar

Submit Reset

Three countries ONLY. Qatar, Kuwait, and Bahrain. Single selection.

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.