

CSCI 3308 Software Development Methods and Tools

Fall 2018

Homework

#2

HTML/CSS

Due Date: 11:59 p.m. on Sunday, October 21, 2018

Objectives

- Create a HTML page with different HTML elements
- Understand Bootstrap Grid System
- Use Bootstrap to create a simple and beautiful form

Part 1 HTML Document

Step 1:

Create a simple HTML document by placing the below content in a file and name it `mypage.html`:

```
<!DOCTYPE html>
<html>
<head>
<title>Page Title</title>
</head>
<body>

<h1>My First Heading</h1>
<p>My first paragraph.</p>

</body>
</html>
```

Step 2:

Complete the following:

- Rename `title` in the HTML document to `My Interests`
- Rename `header1` in the HTML document to your (Last Name, First Name - "Rec3308")
- Between the `paragraph` tags, write three interesting facts about yourself and explain why you are studying Computer Science

Step 3:

Create the following in order:

1. Create `header2` and name it `My Page`
2. Underneath `header2`, create a `link` tag that points to your Github account (Create one if you do not have an existing account!). When you hover over the link, the color of link should change to gray.
3. Insert an `image` of yourself, or any picture that can be found online (Keep in mind that any image urls has to be public else it cannot be seen.)
4. Limit the size of your image using `width` and `height`, it should be between 400 and 600
5. Give the image a `value`, this is especially useful when the image cannot be displayed
6. Create `header3` and name it `My Favorite Sitcom/Movie Characters`
7. Create a table with 4 columns and 3 rows:
Name (Original), Name (Sitcom/Movie), Gender, Reason I like this character. Make sure to use table header to give the header columns and give table border to separate row and columns.
8. Create `header3` and name it `My Hobbies`.
9. Create an `ordered` list and list 3 of your hobbies/favorite activities.
10. Create `header3` and name it `My Favorite Cities`
11. Create an `unordered` list and list 3 of your favorite cities in order
12. Insert appropriate spacing using `
` between content

NOTE: Make sure to use internal style sheet if needed in `mypage.html`

Your final output:

Watson, Shane - Rec3308

I was born and brought up in Australia. I love eating pasta and thin crust pizza. I have 3 siblings and sometimes I wonder how my parents raise us. I am studying Computer Science because I want to be an awesome Web/App Developer.

My Page

[Shane's Github](#)



My Favorite Sitcom/Movie Characters

Name(Original)	Name(Sitcom/Movie)	Gender	Reason I like this character
Matthew Perry	Chandler	Male	Because of his sarcasm
Ryan Reynolds	Wade Wilson	Male	Most cynical superhero
Matt LeBlanc	Joey	Male	He is a good friend specially when it comes to food.

My Hobbies

1. Listening Music
2. Soccer
3. Cooking

My Favorite Cities

- Boulder
- San Mateo
- Aspen

Things to be submitted:

- mypage.html

NOTE: Make sure to use internal style sheet if needed in mypage.html.

Part 2 Bootstrap Grid System

Step 0:

Create a txt file and name it `solutions.txt`. Put your answers of this section in the document using the following format:

Q: What have we learn so far from this class?

A: We have learned useful things such as RegEx, Agile and Waterfall methodologies, Git and HTML/CSS!

Create a css file and name it `style.css`. Put your css for `grid.html` in this document.

Step 1:

Open up `grid.html`, inspect the code and answer the following question:

- What are the things needed for Bootstrap to be loaded?

Step 2:

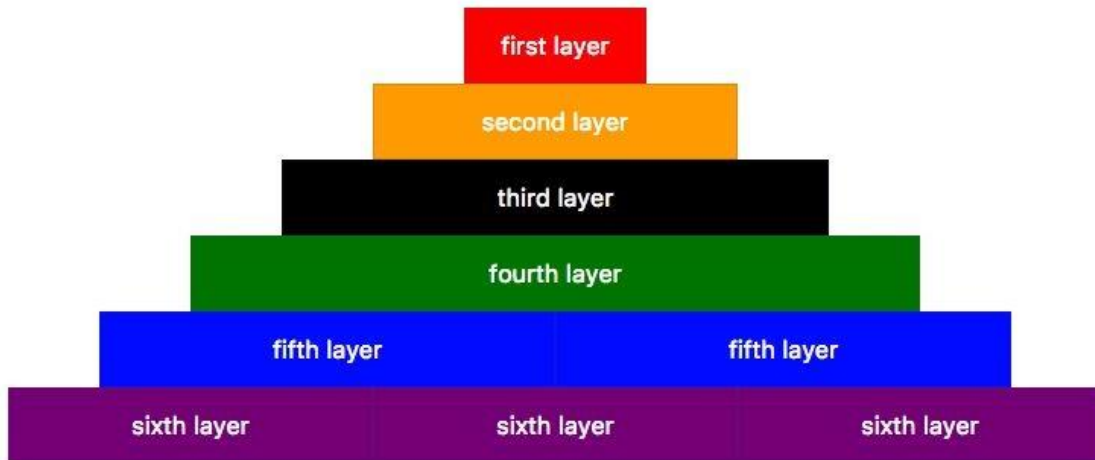
Read up on Bootstrap's Grid system and answer the following question:

- How does Bootstrap's Grid system work? (Please do not copy and paste the answer from the official website, you are required to explain it in your own words. Feel free to use analogies if it makes things easier!)

Step 3:

Produce the following:

This is a 6-tiered pyramid

**Things to be submitted:**

- `grid.html` (updated with your code)
- `style.css`
- `solutions.txt`

Part 3 Bootstrap & HTML

Step 0:

Create a HTML file and name it `form.html`. Include your HTML code in it.

Step 1:

Combine what you have learned from Bootstrap and HTML and produce the following:

This is a sample form.

NickName

Email address

Password

Favorite Activities

☐ Watching The Office ☐ Eating Beets ☐ Watching Friends ☐ Watching NBA ☐ Exploring the Universe with Rick

Gender

☒ Male
☐ Female

Friends

Click here to view friends list ▾

Additional Information

About Me

Submit

Note the dropdown:

This is a sample form.

NickName

Email address

Password

Favorite Activities

☐ Watching The Office ☐ Eating Beets ☐ Watching Friends ☐ Watching NBA ☐ Exploring the Universe with Rick

Gender

☒ Male
☐ Female

Friends

Click here to view friends list ▼

Sam Smith
Chandler Bing
Dwight Schrute
Morty Smith

Submit

Things to be submitted:

- form.html

Requirements

Submit the following files and zip them in a folder:

- mypage.html
- grid.html
- style.css
- solutions.txt
- form.html

Write your name and your partner's (if any) on the first line of each file. Everyone must submit the zip of the files on the Moodle.