

# CSCI 3308 Software Development Methods and Tools

Spring 2018

Homework #2

HTML/CSS

**Due Date:** 11:55 p.m. on Sunday, February 25, 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 `About Me`
- Rename `header1` in the HTML document to your `Last Name, First Name`
- 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!)
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 500 and 700
5. Give the image a `value`, this is especially useful when the image cannot be displayed
6. Create `header3` and name it `My Friends`
7. Create a table with 3 columns and 3 rows: `Name`, `Gender`, `Fun Fact About the Person`
8. Create `header3` and name it `My Favorite Activities`
9. Create an `unordered` list and list 3 of your favorite activities
10. Create `header3` and name it `My Favorite Food`
11. Create an `ordered` list and list 3 of your favorite food in order
12. Insert appropriate spacing using `<br>` between content

**Your final output:**

## Doe, Jane

I have the weirdest name; my last name happened to be Doe and my parents just had to name it Jane. I love eating pasta and aglio olio is my all-time favorite. I have five siblings and sometimes I wonder how my parents raise us. I am studying Computer Science because I want to be an awesome mobile app developer!

## My Page

[Jane's Github](#)



## My Friends

Name	Gender	Fun Fact About the Person
Sam Smith	Male	He has the same name as the British singer!
Dwight Schrute	Male	He owns a 60 acres beet farm.
Morty Smith	Male	Morty has a son name Morty Jr.

## My Favorite Activities

- Watching The Office
- Hiking
- Eating, because why not

## My Favorite Food

1. Beet
2. Milk tea
3. Chicken chops

**Things to be submitted:**

- 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:**

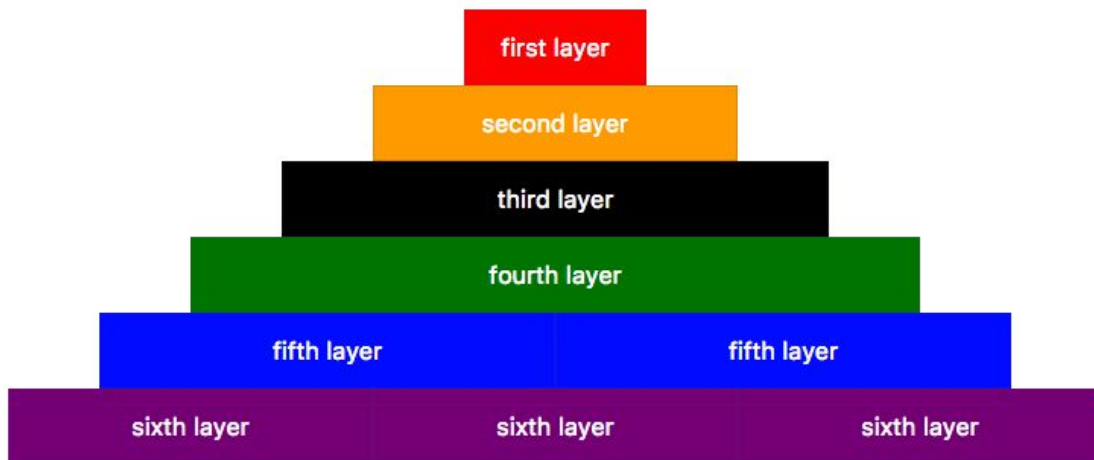
Read up on Bootstrap's Grid system and answer the following question:

- 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.

#### Email address

#### Password

#### Favorite Activities

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

#### Gender

☒ Male  
☐ Female

#### Friends

[Click here to view friends list](#)

#### Additional Information

Example textarea

Note the dropdown:

## This is a sample form.

Email address

Password

Favorite Activities

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

Gender

☒ Male  
☐ Female

Friends

Click here to view friends list ▾

Sam Smith  
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.