

**Homework (HW) 3 – A portal for all your work in this class using CSS and Bootstrap**

***Goal***

Design a visually pleasant portal with links to all your projects, homework assignments, and fun assignments during this course, using HTML5, CSS (3), and Bootstrap.

***Requirements***

1. The portal **must** be available at the **root** of your area on **lamp.cse.fau.edu** server.
  - In other words, from this point on, my grader and I should be able to go to <http://lamp.cse.fau.edu/~username> (where ‘username’ is your FAU username) and find a page containing links to all of your projects and assignments in the class.
2. It should contain **links to all your work in this class**, organized in a meaningful way.
  - For planning purposes: we plan to have eight Homework Assignments (HWs), and one Project. I suggest you pre-populate your page with these 9 items, add links to the existing ones (in their respective subfolders), and leave dummy links for the rest. As the semester progresses, every time you submit an assignment (and upload the corresponding project to a separate folder on the server, if that’s the case), you should go back to this portal page and add / edit the corresponding link.
3. It must be built using Bootstrap.
  - A simple Bootstrap template, such as <http://getbootstrap.com/examples/starter-template/> should be considered.
4. It **must** be your own work. If you use a site, textbook example or any other source as “inspiration” or starting point, please make a note of it.

### Recommended Procedure

1. Download **Bootstrap**<sup>1</sup> from <http://getbootstrap.com/>
2. Spend some time browsing the Bootstrap site and associated documentation and examples.
3. Type and test the barebones example (“Bootstrapped template”) below:

```
1 <!DOCTYPE html>
2 <html lang="en">
3   <head>
4     <meta charset="utf-8">
5     <meta http-equiv="X-UA-Compatible" content="IE=edge">
6     <meta name="viewport" content="width=device-width, initial-scale=1">
7     <title>Bootstrap 101 Template</title>
8     <!-- Bootstrap -->
9     <link href="css/bootstrap.min.css" rel="stylesheet">
10  </head>
11  <body>
12    <h1>Hello, world!</h1>
13    <!-- jQuery (necessary for Bootstrap's JavaScript plugins) -->
14    <script src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.1/jquery.min.js"></script>
15    <!-- Include all compiled plugins (below), or include individual files as needed -->
16    <script src="js/bootstrap.min.js"></script>
17  </body>
18 </html>
```

4. Choose an example from Bootstrap <http://getbootstrap.com/getting-started/#examples> and download it.
  - a. Adjust paths, etc. on your local project folder to ensure that the example works as intended. Test it!
5. Consider using the example as a starting point for your page.
6. (OPTIONAL) Select a Bootstrap template that you’d like to use for your site.

Suggested sites include:

  - a. <http://expo.getbootstrap.com/>
  - b. <http://startbootstrap.com/>
7. (OPTIONAL) Learn more about the available CSS options (and the HTML tags associated with them) in Bootstrap: <http://getbootstrap.com/css/>
8. (OPTIONAL) Browse through the available Components in Bootstrap (<http://getbootstrap.com/components/>) and select the ones you’d like to use in your design. Be conservative!
9. (OPTIONAL) Implement and test the components selected in the previous step.
10. Once you’re happy with the design, **start populating your page with contents** (text, images, links, videos, buttons, etc.).
11. **Test your page** after every significant change / addition.
12. Once you’ve reached a point where your page is complete and fully functional in the browser of your choice (Chrome, Firefox, Opera, or Safari), **prepare the final package** (single zip, all that is needed, and nothing else).
13. **Submit the final package** via Blackboard.

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<sup>1</sup> Precompiled version should be fine; using a link to the CDN version is also acceptable.

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***Deliverables***

- A single zip file containing **all** files (.html, .css, .jpg, etc.) necessary to see your page in a browser window and your brief report (see below).
- A very brief **report** (1-3 pages) describing any relevant aspect that I cannot tell just by looking at the page files.
  - For example: the editor(s) you used, the browser(s) you tested your page on, how was the Bootstrap learning curve, which tasks were more time consuming, etc.

Please name your file using your FAU / Blackboard username as a filename, e.g., jsmith85.zip.

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- **Grading rubric:**
    - Overall presentation (alignment, colors, fonts, images, etc.): 35%
    - Overall organization and richness of content: 35%
    - Separation between presentation and content: 5%
    - Available online at: <http://lamp.cse.fau.edu/> 5%
    - Proper use of Bootstrap: 20%
  - **Submission:** Please **submit your files via Blackboard** using *Blackboard's assignment submission option*. **Please don't hand in any assignment by email.**
  - **Deadline:** September 14, 2015 - 11:59 p.m. ET
  - These guidelines may be updated. Please check your email and Blackboard often.