

## COP3813 Project 1 Report

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The editor I used for this project was Visual Studio Code with the Live Server extension. Live Server creates a local server to view the website in as you develop and updates the view as you save. This saves a lot of time compared to viewing changes by uploading to the FAU server every time. Here is what my environment looks like:

```

12  --
13
14  <!DOCTYPE html>
15  <html>
16
17  <head>
18    <title>Project 1</title>
19    <link href="/style.css" rel="stylesheet" type="text/css">
20  </head>
21
22  <body>
23
24    <section>
25      <header class="page-header">
26        <h1>Project 1 - First Home Page</h1>
27      </header>
28    </section>
29
30    <table>
31      <caption>HTML5 Elements</caption>
32      <thead>
33        <tr>
34          <th scope="col" class="th-left">Element</th>
35          <th scope="col" class="th-right">Description</th>
36        </tr>
37      </thead>
38      <tbody>
39
40        <tr>
41          <td>The div element is a container with no inherent effects. It is used to group content for styling.</td>
42        </tr>
43
44        <tr>
45          <td>The span element is used for inline content, such as adding styling to words within a sentence.</td>
46        </tr>
47
48        <tr>
49          <td>The header element is used for items at the very top of the page serving as introductory content.</td>
50        </tr>
51
52        <tr>
53          <td>The section element allows more control over the document outline. This can separate groups of items.</td>
54        </tr>
55      </tbody>
56    </table>
57
58    <section>
59      <div>
60        <p>
61          This paragraph is wrapped in a div container within a new section. Then, you can add span elements to
62          <span class="interesting">make things interesting.</span>
63        </p>
64      </div>
65    </section>
66
67    <section>
68      <div>
69        <p>You can also make lists with HTML. Here's the top 5 picks of the 2019 NFL Draft:</p>
70        <ol>
71          <li>
72            <div class="container">
73              <div class="left"></div>
74              <div class="right">Arizona Cardinals</div>
75            </div>
76          </li>
77          <li>
78            <div class="container">
79              <div class="left"></div>
80              <div class="right">San Francisco 49ers</div>
81            </div>
82          </li>
83          <li>
84            <div class="container">
85              <div class="left"></div>
86              <div class="right">New York Jets</div>
87            </div>
88          </li>
89        </ol>
90      </div>
91    </section>
92  </body>
93  </html>

```

```

Delta compression using up to 4 threads.
Compressing objects: 100% (5/5), done.
Writing objects: 100% (5/5), 856 bytes | 0 bytes/s, done.
Total 5 (delta 2), reused 0 (delta 0)
remote: Resolving deltas: 100% (2/2), completed with 2 local ob
To https://ktasbas@github.com:ktasbas/personal-website.git
2c69fba..5c175a9 master -> master

[10:46:38] - i:/Documents/src/classes/Internet-computing/pers
onal-website git add
[10:03:36] - i:/Documents/src/classes/Internet-computing/pers
onal-website git commit -m 'added css for span and list'
(master ce680c) added css for span and list
2 files changed, 67 insertions(+), 10 deletions(-)

[10:04:27] - i:/Documents/src/classes/Internet-computing/pers
onal-website git push
Password for 'https://ktasbas@github.com':
Counting objects: 5, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (5/5), done.
Writing objects: 100% (5/5), 927 bytes | 0 bytes/s, done.
Total 5 (delta 3), reused 0 (delta 0)
remote: Resolving deltas: 100% (3/3), completed with 3 local ob
To https://ktasbas@github.com:ktasbas/personal-website.git
5c175a9..ce680c master -> master

[10:04:37] - i:/Documents/src/classes/Internet-computing/pers
onal-website
#####
Welcome to Engineering at FAU!

[ktasbas2015 public_html]$ cd public_html/
[ktasbas2015 public_html]$ git fetch
Password:
remote: Enumerating objects: 13, done.
remote: Counting objects: 100% (13/13), done.
remote: Compressing objects: 100% (6/6), done.
remote: Total 10 (delta 5), reused 9 (delta 4), pack-reused 0
Unpacking objects: 100% (10/10), done.
From https://github.com:ktasbas/personal-website
2c69fba..ce680c master -> origin/master

[ktasbas2015 public_html]$ git status
# on branch master
# Your branch is behind 'origin/master' by 2 commits, and can be fast-forwarded.
#
nothing to commit (working directory clean)

[ktasbas2015 public_html]$ git pull
Password:
Updating 2c69fba..ce680c
Fast-forward
 pi/index.html | 54 ++++++
 pi/style.css | 93 ++++++
 2 files changed, 133 insertions(+), 14 deletions(-)
 create mode 100644 pi/style.css

[ktasbas2015 public_html]$

```

The editor allows me to manage the project's git repository, access multiple terminals, organize the file structure, and more. It is also cross-platform which is important to me because I depend on both Ubuntu and Windows.

For file sharing between my local computer and the FAU servers, I used git. I have a GitHub repository setup for this class that will organize all of my projects. This can be found at <https://github.com/ktasbas/personal-website>.

As I developed the project, I tested on Google Chrome v71.0, and Mozilla Firefox v64.0. Both browsers gave expected results, but each displayed a unique font. Adding a specific font to the stylesheet should fix this issue in the future.

I mainly depended on Mozilla's HTML and CSS documentation to develop the website. I also found helpful information on W3Schools and Stack Overflow. The most difficult part of the project was definitely aligning the text with the images in the ordered list. Eventually, I had to brute force a solution by using 3 div containers for each list item. One div contained the two others that were then aligned side by side. The text div was then given a line-height attribute to center it with the height of the image. This made the HTML document a bit messier than I'd like, but it worked nonetheless.