Learning during Website Development for DSL 810
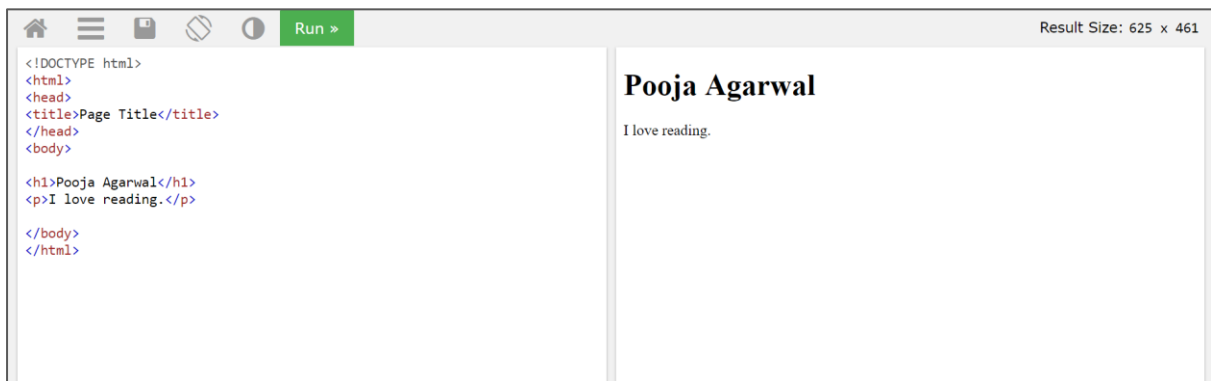
➢ **Objective:**

Build a website for the class. Introduce yourself, have a section for assignments and project each and document this process.

➢ **Exercise performed before creating website:**

1. As introduced during class by course instructor, I explored www.w3schools.com for learning how to create a basic html page using "HTML Tutorial" starting with a "Simple HTML document" as shown below.

2. Thereafter, I explored each module of "HTML Tutorial" on the website and I learnt how to edit code for various components on an HTML page.
3. As suggested by Jay sir, I downloaded "Sublime Text 3" for creating and editing HTML pages. I tried performing some hands-on exercise on the same.
4. I then downloaded Mac Apache MySQL PHP (MAMP) to test the files on local browser.
5. Website Hosting: I am using IITD webserver as it provides greater limit for uploading files as compared to epizy.
6. Finally, I downloaded "HTML CSS template" created by "Vibhuti Sagar" and started creation of my website.

➢ **Steps performed for website creation:**

1. I started editing the HTML CSS template downloaded from the course page.
2. The area to be edited for website creation was highlighted on each page.
3. I edited each section and started reviewing the update locally.
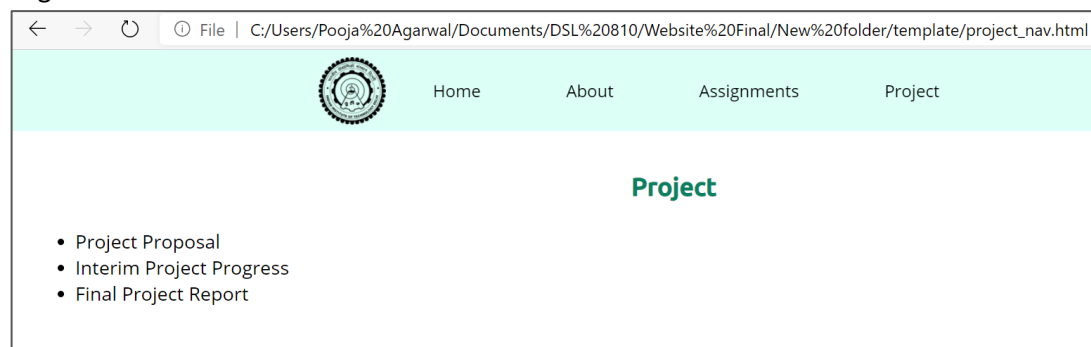   e.g. Project Navigation page

Code script in Sublime Text

C:\Users\Pooja Agarwal\Documents\DSL 810\Website Final\New folder\template\project_nav.html - Sublime Text (UNREGISTERED)

File   Edit   Selection   Find   View   Goto   Tools   Project   Preferences   Help

assignments_nav.html   •   assignment2.html   ×   project_progress.html   ×   project_nav.html   ×

```html
21              <ul>
22                  <li><a href="../index.html">Home</a></li>
23                  <li><a href="about.html">About</a></li>
24                  <li><a href="assignments_nav.html">Assignments</a></li>
25                  <li><a href="project_nav.html">Project</a></li>
26              </ul>
27          </nav>
28
29      </header>
30
31      <article style="width: 100%;">
32          <div class="project_home" style="min-height: 500px;">
33
34              <h1>Project</h1>
35
36              <ul style="font-size: 18px;">
37                  <li><a href="project/ProjectProposal.pdf">Project Proposal</a></li>
38                  <li><a href="project/project_progress.html">Interim Project Progress</a></li>
39                  <li><a href="project/project_final.html">Final Project Report</a></li>
40              </ul>
41          </div>
42      </article>
```
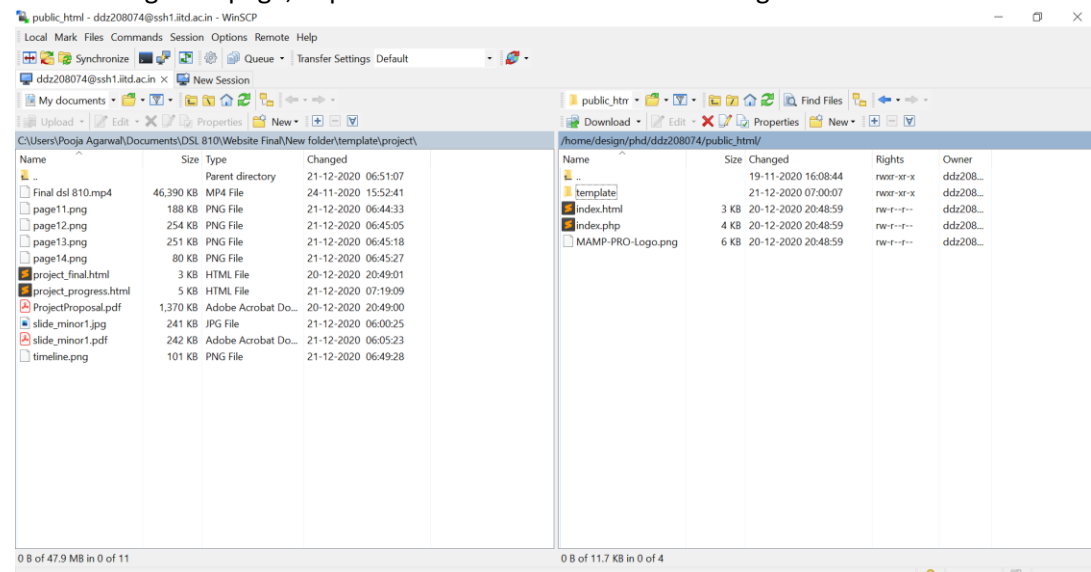
Page view on local

← → ○   ⓘ File | C:/Users/Pooja%20Agarwal/Documents/DSL%20810/Website%20Final/New%20folder/template/project_nav.html

Home   About   Assignments   Project

Project

- Project Proposal
- Interim Project Progress
- Final Project Report

4. Starting with "About" page, I introduced myself along with my image. I performed the compression of the image using ImageMagick, as taught during class.

5. After editing each page, I uploaded the files on IITD server using WinSCP.

6. After uploading the folder in public_html folder, the website (https://web.iitd.ac.in/~ddz208074/index.html) was accessible from any source.

➢ **Challenges faced:**

1. The index2.html was replaced by index.html, but still the update was happening on local server only.
2. Since, the website was not visible from other sources, I had to temporarily create my page in word press which has many limitations, one of them is limited file upload size.

➢ **Key Takeaways:**

1. Almost all the components used to build the website are absolutely free.
2. www.w3schools.com is a complete package for a beginner like me to understand the process and execute it efficiently.