Unix

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Section 01

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**Journal 1**

**November 22, 2021:**

We all met (Arsh, Kofi and me) to discuss the idea of our project. We didn’t know if we wanted to work on a VPS or if we want to program a raspberry pie. So, the class on Monday was a brainstorming class for our team project. We also created a git repository with all of the team members. The link for the github Unix project is: <https://github.com/jojo0105/UnixFinalProject>

**November 23, 2021:**

Finally, we decided to work on a VPS. So, we went on OVHcloud to buy a VPS. We received a username and a password and other details after the purchase.

We tried to launch/login with the VPS, but we still didn’t figure it out yet.

**Journal 2**

**November 25, 2021:**

We figure out how to connect to our vps on virtual box.

**November 27, 2021:**

So, we logged in.



Then we installed nginx. Then we typed our ip address on the browser and it gave us the nginx logo. We then created a team directory /var/www/html/team/ where we have a team website. In this directory there is two css files and an index.html file. We then checked the website on the browser and it worked.

**November 29, 2021:**

We added three other directories with three different websites for each team member. So now there are kofi, george and arsh directories in the /var/www/html and once you go to the browser and write the ip address and one of our names you will find the different websites.

**November 30, 2021:**

We decided to create a team website that is using a static website generator. So we went for Jekyll for the generator that we are going to use. So we followed the steps on how to start on their website (installing the packages, creating a new website, …). Then we were able to access it using localhost:4000. We then created a Jekyll project folder. And the only thing left is the python file so it can auto-deploy automatically.

**Journal 3**

**December 6, 2021:**

For creating and hosting our websites on the vps we were creating files with the touch command. However, it took a long process to make files with touch and copy and paste our website code for each file into our new directory.

We decided to start over and instead of creating a file for html and css files that we needed to have in our directory, we just use the command scp. This command does a secure copy of our files. Thus, we had to copy the folder into the vps main directory, then copy the files to the "/var/www/html" path. For both of these tasks we had to use scp command. Once done, we just had to change the main html file names to index.html. Afterwards, we just opened our websites on the Google Chrome browser.

**December 7, 2021:**

To setup our Jekyll website on our system, we needed, first of all, to install Ruby and Bundle. To do that we typed **sudo apt-get install ruby-full build-essential**, **bundle install**, & **sudo gem install jekyll bundler**. After installing all the dependencies that were asked to be installed on the Jekyll website, we made a new directory with a static website inside it. We then installed Jekyll in this new directory. Once we generated the code in this directory, we could’ve successfully open it with the link <http://localhost:4000/>**.** This was the second time that we do a website with Jekyll, because the first one the css code generated wasn’t functioning, and this is mainly because we created a directory in another directory. However, we wanted to keep it (the old website), because it’s a prove of our success and progress and we decided to create another one, especially that the process was so much easier because we knew what to do.