After you have your local server ready and your UI ready, what are your next steps?

**Running the server on the Local Host**

**Step 1:** Change the path in nginx.conf to where your new index.html lies.

**Step 2:** Restart the server and head to local host (remember to clear you cache)

**Step 3:** Change the http local host address on app.js to “/api/{your server name:movie\_recommender}”

**Step 4**: Add the below text to nginx:

location /api/ {

rewrite ^/api(.\*) $1 break;

proxy\_pass http://127.0.0.1:5000;

}

**Step 5**: Now test the website and make sure the Flask server is working fine (clear cache)

Git Bash shortcuts

“cd ..” – go one path back

“cd ~” – go back to home

“ctrl + D”- close Python

**Hosting the website on the Cloud**

**Step 6**: Connect to your EC2 instance using Git Bash

ssh -i "C:\Users\Mandula Thrimanne\.ssh\fdcNew.pem" ubuntu@ec2-13-58-100-184.us-east-2.compute.amazonaws.com

**Step 7**: Open WinSCP and connect to your Ubuntu machine using Public DNS and .pem file.

**Step 8**: Copy your webiste files to the Ubuntu machine and check on Git Bash using ls to see if the file transfer worked

**Step 9**: Buy a domain for your tool

**Step 10**: Below are the code strips you need to type on Git Bash to access your file on your new domain

* To update any softwares in the Ubuntu: “sudo apt-get update”
* Check nginx status: “sudo service nginx status”
* Access the nginx file directory: “cd /etc/nginx”
* Check if you’re in the correct directory: “ls”
* Go to sites available: “cd sites-available/”
* Create a configuration file, add the below code, and name it appropriately “sudo nano mrs.conf”:

*server {*

*listen 80;*

*server\_name nostalgicflix.net;*

*root /home/ubuntu/movieRecommendationSystem;*

*index index.html;*

*location /api/ {*

*rewrite ^/api(.\*) $1 break;*

*proxy\_pass http://127.0.0.1:5000;*

*}*

*}*

* Save and exit: Press Clrl + x to exit. If already saved press q.
* Create a symbolic link: “sudo ln -s /etc/nginx/sites-available/mrs.conf /etc/nginx/sites-enabled/”
* Check if the symbolic links are properly connected: “ls -l /etc/nginx/sites-enabled/”
* Provide necessary access to the config files:

“sudo chown -R ubuntu:ubuntu /home/ubuntu/movieRecommendationSystem”

* Check for syntax errors: sudo nginx -t
* Restart nginx: sudo systemctl restart nginx

**Check Point: Check if your website visible**

**Hosting the server on the Cloud**

**Step 11:** Create a requirements.txt file with all the requirements you have on your server.py and util.py

**Step 12**: Install the required packages using the below code

sudo pip3 install -r requirements.txt

**Step 13**: Locate the directory where you survey.py are at and the run the below code

python3 servey.py

**Check Point: Check if your model is outputting what it should**

**Always remember to use a different port to what you have already used (5000 and 5001 are already used)**

**Making the website secured**

**Step 14:** Chat GPT what you need to do and snippet of your config file and completely replace your current config file what they provide. Works like a charm without much hassle.