

CS 2080 Programming With Unix

Assignment#: 7

Max points: 50

Rules

- Late submissions will automatically get a 0 • Creativity is welcome and appreciated.
- Don't cheat or use AI. I am happy with your genuine efforts.

Questions

1. Submit a link to your public git repository (e.g., in GitHub) containing the following:
 - a. A Dockerfile that does the following: **(10 points)**
 - i. Extends the Ubuntu image
 - ii. Install vim, nginx in the docker instance
 - iii. Copy your app script from Docker context into the docker instance
 - iv. Invoke the app script
 - b. The app script – A bash script to do the following: **(10 Points)**
 - i. Start nginx service
 - ii. Use **sed** to replace “Welcome to nginx” with “Welcome to <YOUR_FIRST_NAME>’s page” in /var/www/html/*.html inside the docker instance.
 - iii. Use **sed** to replace all occurrences of “nginx” in the same html file with
“nginx (pronounced as EngineX)”
 - iv. Restart nginx service
 - c. Two screenshots:
 - i. Nginx default page running on your AWS public IPv4 **(10 points)**
 - ii. The Nginx page running on the same ip with the changes done to the HTML page using the script **(20 points)**

iii.

