

Final Project	
Github Portfolio	
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Course Code and Title: CPE201A - Computer System Administration and Troubleshooting	Instructor: Sir Lloyd Aldrin Pornobi
1. Objective/s:	
This final project aims to demonstrate the student's ability to create and build a GitHub portfolio by compiling and organizing outputs from other Computer Engineering courses.	
2. Intended Learning Outcome/s:	
By the end of this final project, the students should be able to: <ul style="list-style-type: none"> • Develop a professional GitHub portfolio that effectively showcases their projects and demonstrates integration of knowledge from various Computer Engineering courses. 	
3. Directions:	
<p>1. Create a New Repository</p> <ul style="list-style-type: none"> • Log in to your GitHub account. • Click New Repository. • Set the repository title as: CPE201A_FP_SURNAME • Add a short description, for example: "Final Projects Compilation for CpE Courses." • Choose the repository visibility (Public or Private). • Click Create Repository. <p>2. Prepare Files on Ubuntu Linux</p> <ul style="list-style-type: none"> • Open your Ubuntu terminal. • Navigate to the directory where your final projects are saved. cd ~/Documents/CpE_Projects • Organize your project folders according to different CpE courses, for example: CPE201A_FP_SURNAME/ ├── CPE101/ ├── CPE102/ ├── CPE103/ └── CPE104/ • Make sure each folder contains the corresponding final project files from that course. 	

3. Initialize Git and Push to GitHub

4. Verify and Share

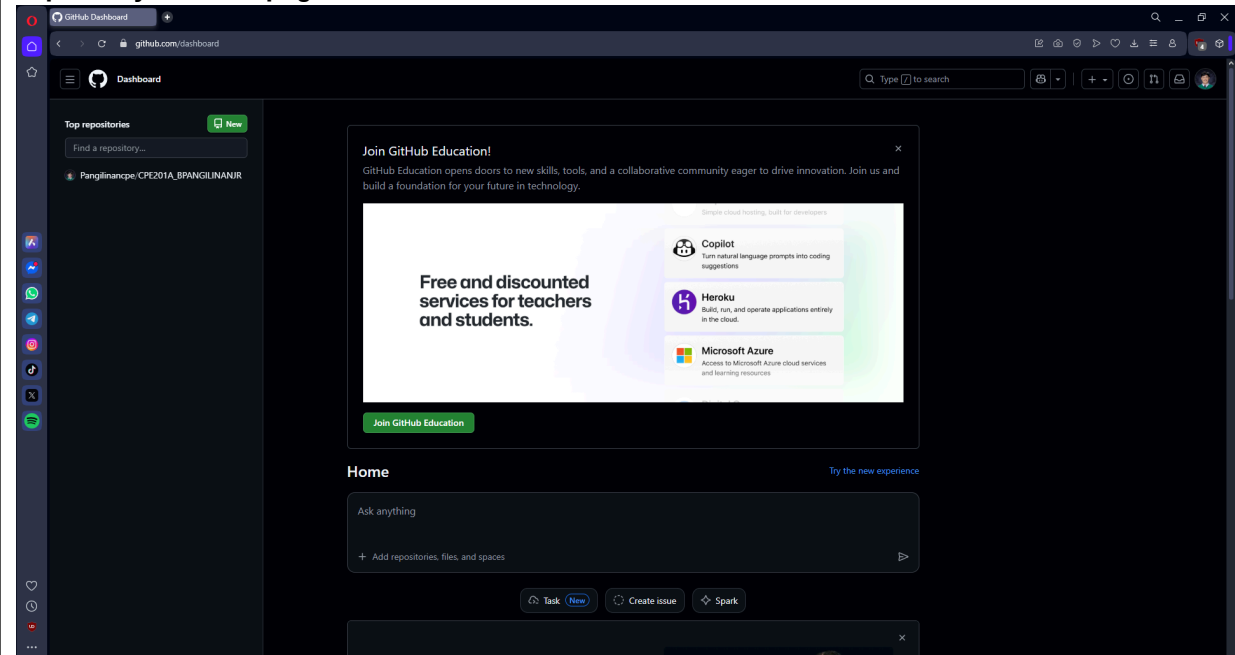
- Go to your GitHub repository online and confirm that all files and folders are properly uploaded and organized.
- Copy your repository link and make sure it is accessible (if required, set repository visibility to “Public”).

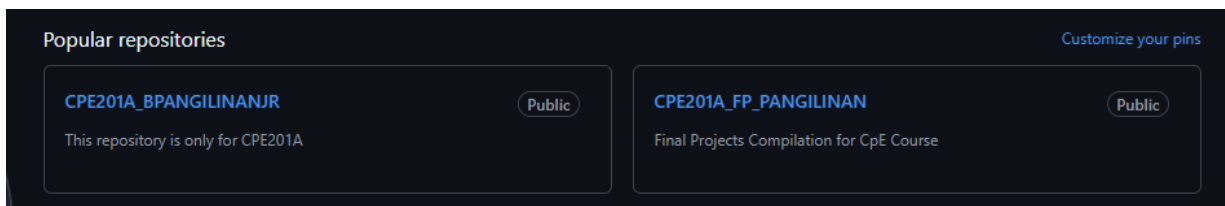
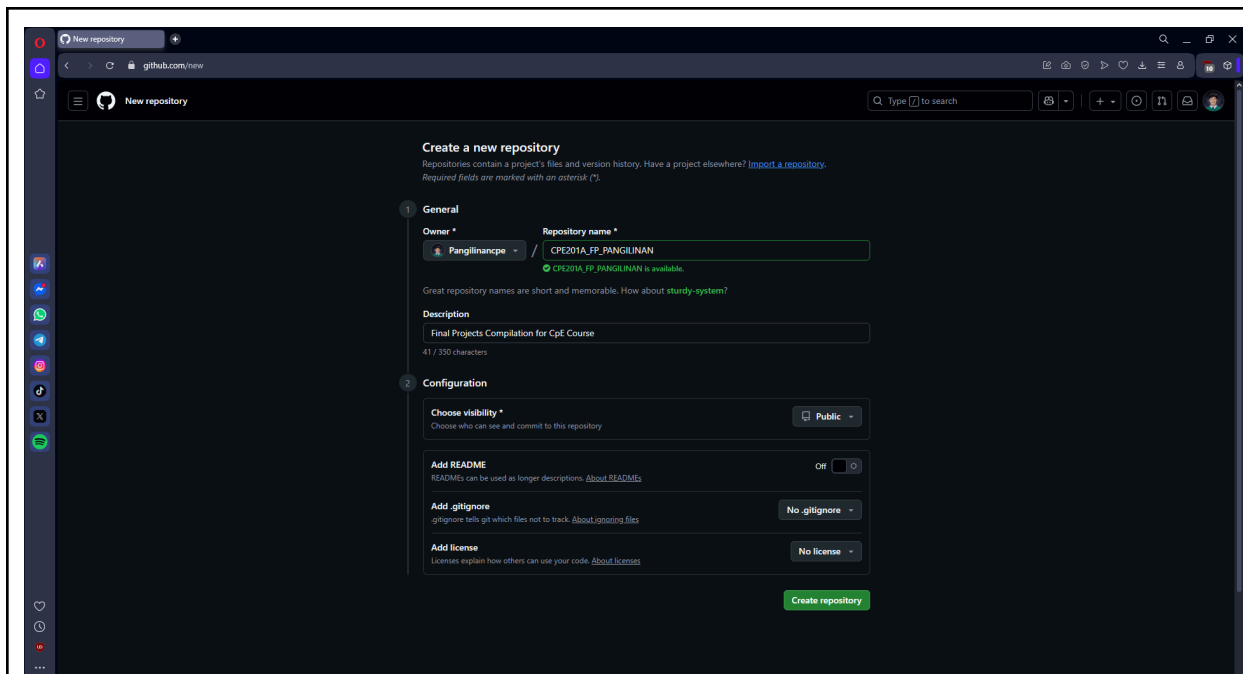
5. Documentation

- Take screenshots of the following:
 - Repository creation page.
 - Organized folder structure.
 - Ubuntu terminal commands during initialization, commit, and push.
 - Final GitHub repository page showing the uploaded projects.
- Compile all screenshots and input it in Section 4. Outputs.

4. Outputs:

Repository creation page.

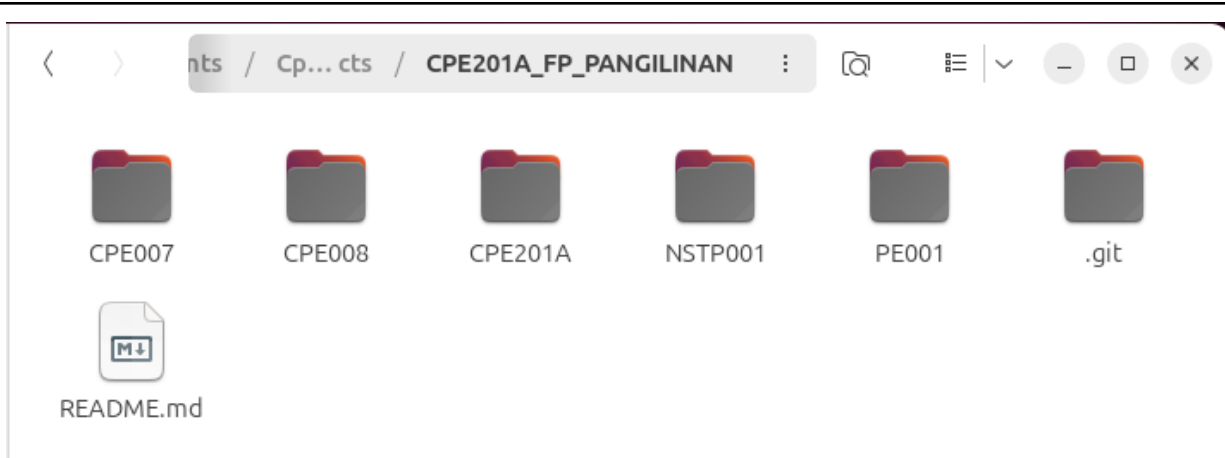




Organized folder structure.

```
pangilinan@pangilinan-VirtualBox: ~/Documents/CpE_Projects
ngilinan@pangilinan-VirtualBox:~$ mkdir -p ~/Documents/CpE_Projects
ngilinan@pangilinan-VirtualBox:~$ cd ~/Documents/CpE_Projects
ngilinan@pangilinan-VirtualBox:~/Documents/CpE_Projects$

pangilinan@pangilinan-VirtualBox:~$ cd ~/Documents/CpE_Projects/CPE201A_FP_PANGILINAN$
ppangilinan@pangilinan-VirtualBox:~/Documents/CpE_Projects/CPE201A_FP_PANGILINAN$
pangilinan@pangilinan-VirtualBox:~/Documents/CpE_Projects/CPE201A_FP_PANGILINAN$
  mkdir CPE201A CPE007 CPE008 PE001
pangilinan@pangilinan-VirtualBox:~/Documents/CpE_Projects/CPE201A_FP_PANGILINAN$
mkdir NSTP001
pangilinan@pangilinan-VirtualBox:~/Documents/CpE_Projects/CPE201A_FP_PANGILINAN$
ls
CPE007 CPE008 CPE201A NSTP001 PE001 README.md
pangilinan@pangilinan-VirtualBox:~/Documents/CpE_Projects/CPE201A_FP_PANGILINAN$
```



```
pangilinan@pangilinan-VirtualBox:~/Documents/CpE_Projects/CPE201A_FP_PANGILINAN$  
ls  
CPE007 CPE008 CPE201A NSTP001 PE001 README.md  
pangilinan@pangilinan-VirtualBox:~/Documents/CpE_Projects/CPE201A_FP_PANGILINAN$  
ls CPE007  
'DOCUMENTATION of PLD FINALS PROJECT.pdf'  
pangilinan@pangilinan-VirtualBox:~/Documents/CpE_Projects/CPE201A_FP_PANGILINAN$  
ls CPE008  
'Reflection on our Interview .pdf'  
pangilinan@pangilinan-VirtualBox:~/Documents/CpE_Projects/CPE201A_FP_PANGILINAN$  
ls NSTP001  
nstp001.jpeg  
pangilinan@pangilinan-VirtualBox:~/Documents/CpE_Projects/CPE201A_FP_PANGILINAN$  
ls PE001  
'httpsyoutu be wD3K8sZE2nE.txt'  
pangilinan@pangilinan-VirtualBox:~/Documents/CpE_Projects/CPE201A_FP_PANGILINAN$
```

Ubuntu terminal commands during initialization, commit, and push

```

pangilinan@pangilinan-VirtualBox:~$ cd ~/Documents/CpE_Projects/CPE201A_FP_PANGILINAN
pangilinan@pangilinan-VirtualBox:~/Documents/CpE_Projects/CPE201A_FP_PANGILINAN$ git add .
pangilinan@pangilinan-VirtualBox:~/Documents/CpE_Projects/CPE201A_FP_PANGILINAN$ git commit -m "Initial upload of project fiels for CPE007, CPE008, NSTP001, and PE001."
[main 0bb0dd3] Initial upload of project fiels for CPE007, CPE008, NSTP001, and PE001.
4 files changed, 2 insertions(+)
create mode 100644 CPE007/DOCUMENTATION of PLD FINALS PROJECT.pdf
create mode 100644 CPE008/Reflection on our Interview .pdf
create mode 100644 NSTP001/nstp001.jpeg
create mode 100644 PE001/https youtu be wD3K8sZE2nE.txt
pangilinan@pangilinan-VirtualBox:~/Documents/CpE_Projects/CPE201A_FP_PANGILINAN$ git push -u origin main
Username for 'https://github.com': PangilinanCpe
Password for 'https://PangilinanCpe@github.com':
Enumerating objects: 11, done.
Counting objects: 100% (11/11), done.
Delta compression using up to 2 threads
Compressing objects: 100% (9/9), done.
Writing objects: 100% (10/10), 1.12 MiB | 2.11 MiB/s, done.
Total 10 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/PangilinanCpe/CPE201A_FP_PANGILINAN.git
61f7178..0bb0dd3  main -> main
branch 'main' set up to track 'origin/main'.
pangilinan@pangilinan-VirtualBox:~/Documents/CpE_Projects/CPE201A_FP_PANGILINAN$

```

Final GitHub repository page showing the uploaded projects.

The screenshot shows the GitHub repository page for 'CPE201A_FP_PANGILINAN' by user 'PangilinanCpe'. The repository is public and contains 2 commits. The main branch is selected, showing a file list with folders for CPE007, CPE008, NSTP001, and PE001, each containing uploads of final projects. A README file is also present, created 3 hours ago. The right sidebar shows the repository's 'About' section, including a description, README link, activity, stars, watching, and forks. The 'Releases' and 'Packages' sections are empty.

5. Conclusion/Learnings/Analysis:

6. Assessment Rubric:

Rubric for SO 7 (7)							
Criteria	Ratings						Pts
<p>SO 7 PI 1</p> <p>Student Outcome 7.1 Acquire and apply new knowledge from outside sources. threshold: 4.8 pts</p>	<p>6 pts Excellent Educational interests and pursuits exist and flourish outside classroom requirements, knowledge and/or experiences are pursued Independently and applies knowledge learned into practice</p>	<p>5 pts Good Educational interests and pursuits exist and flourish outside classroom requirements, knowledge and/or experiences are pursued independently</p>	<p>4 pts Satisfactory Look beyond classroom requirements, showing interest in pursuing knowledge independently</p>	<p>3 pts Unsatisfactory Begins to look beyond classroom requirements, showing interest in pursuing knowledge independently</p>	<p>2 pts Poor Relies on classroom instruction only</p>	<p>1 pts Very Poor No initiative or interest in acquiring new knowledge</p>	6 pts
<p>SO 7 PI 3</p> <p>Student Outcome 7.3 Critical thinking in the broadest context of technological change threshold: 4.8 pts</p>	<p>6 pts Excellent Synthesizes and integrates information from a variety of sources; formulates a clear and precise perspective; draws appropriate conclusions</p>	<p>5 pts Good Evaluate information from a variety of sources; formulates a clear and precise perspective.</p>	<p>4 pts Satisfactory Analyze information from a variety of sources; formulates a clear and precise perspective.</p>	<p>3 pts Unsatisfactory Apply the gathered information to formulate the problem</p>	<p>2 pts Poor Gather and summarized the information from a variety of sources but failed to formulate the problem</p>	<p>1 pts Very Poor Gather information from a variety of sources</p>	6 pts
<p>SO 7 PI 4</p> <p>Student Outcome 7.4 Creativity and adaptability to new and emerging technologies threshold: 4.8 pts</p>	<p>6 pts Excellent Ideas are combined in original and creative ways in line with the new and emerging technology trends to solve a problem or address an issue.</p>	<p>5 pts Good Ideas are creative and adapt the new knowledge to solve a problem or address an issue</p>	<p>4 pts Satisfactory Ideas are creative in solving a problem, or address an issue</p>	<p>3 pts Unsatisfactory Shows some creative ways to solve the problem</p>	<p>2 pts Poor Shows initiative and attempt to develop creative ideas to solve the problem</p>	<p>1 pts Very Poor Ideas are copied or restated from the sources consulted</p>	6 pts
Total Points: 18							