Final Project	
Github Portfolio	
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Course Code and Title: CPE201A - Computer System Administration and Troubleshooting	**Instructor: Engr. 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 Leaning Outcome/s:

By the end of this final project, the students should be able to:

- Develop a professional GitHub portfolio that effectively showcases their projects and demonstrates integration of knowledge from various Computer Engineering courses.

3. Directions:

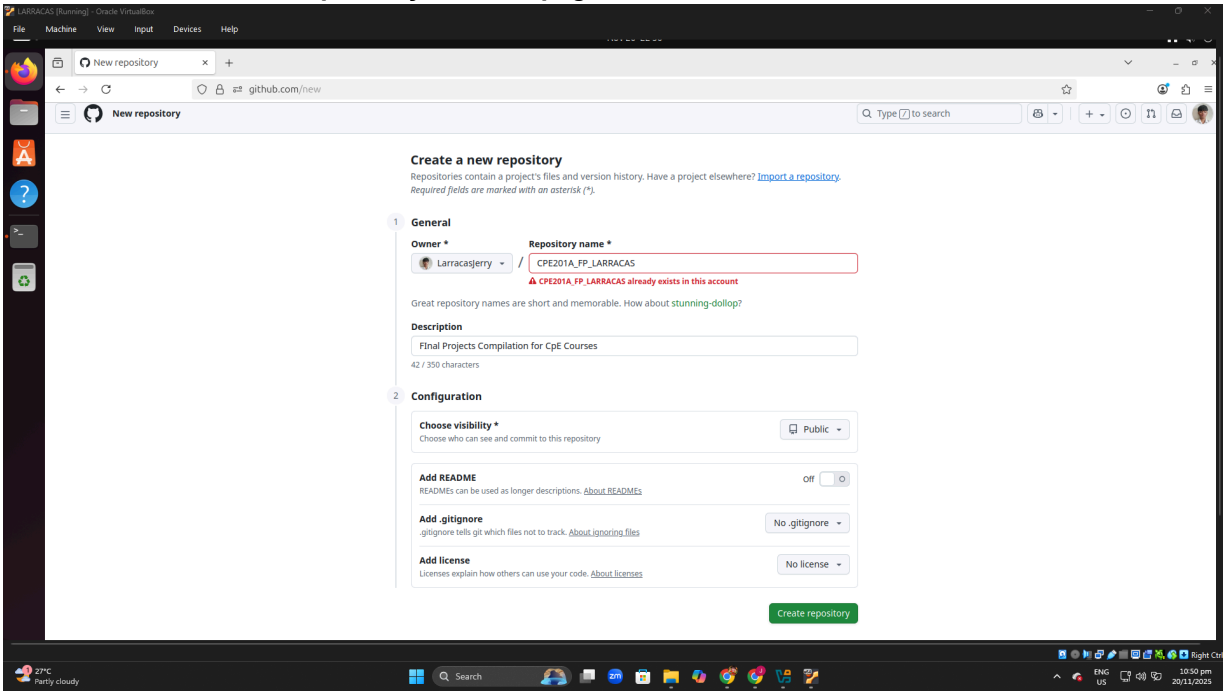
1. **Create a New Repository**
   - Log in to your GitHub account.
   - Click New Repository.
   - Set the repository title as:
     CPE201A_FP_SURNAME
   - Add a short description, for example: "Final Projects Compilation for CpE Courses."
   - Choose the repository visibility (Public or Private).
   - Click Create Repository.

2. **Prepare Files on Ubuntu Linux**
   - 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.

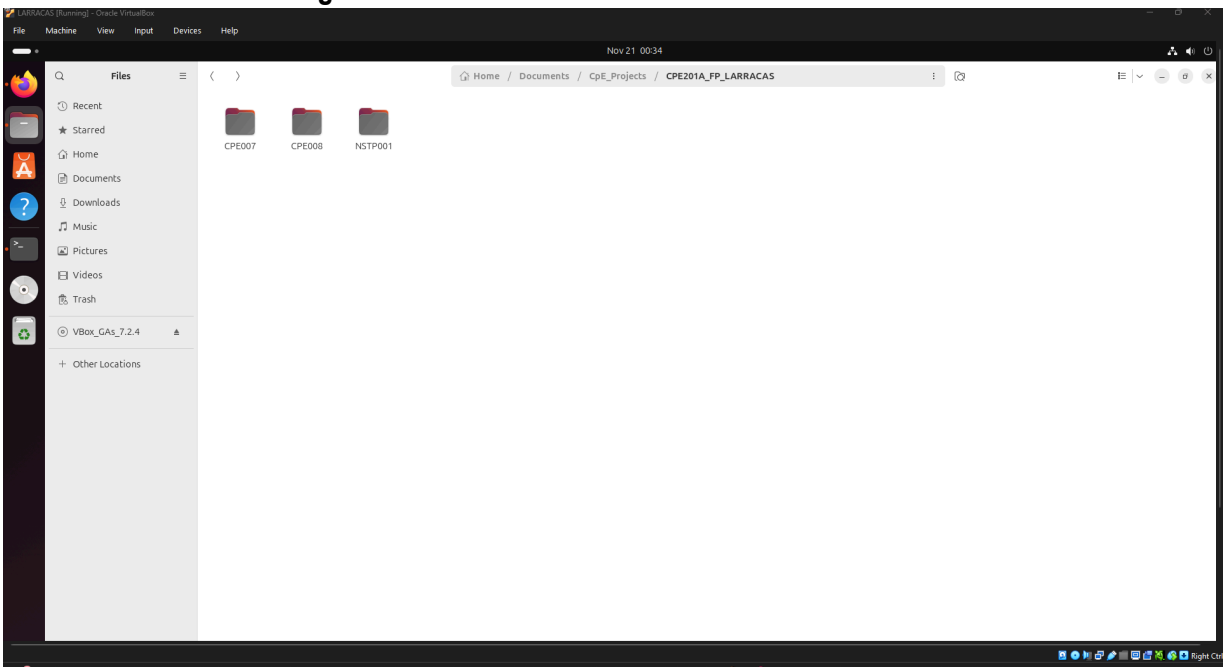
3. **Initialize Git and Push to GitHub**
4. **Verify and Share**
    - Go to your GitHub repository online and confirm that all files and folders are properly uploaded and organized.
    - Copy your repository link and make sure it is accessible (if required, set repository visibility to “Public”).
5. **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.**

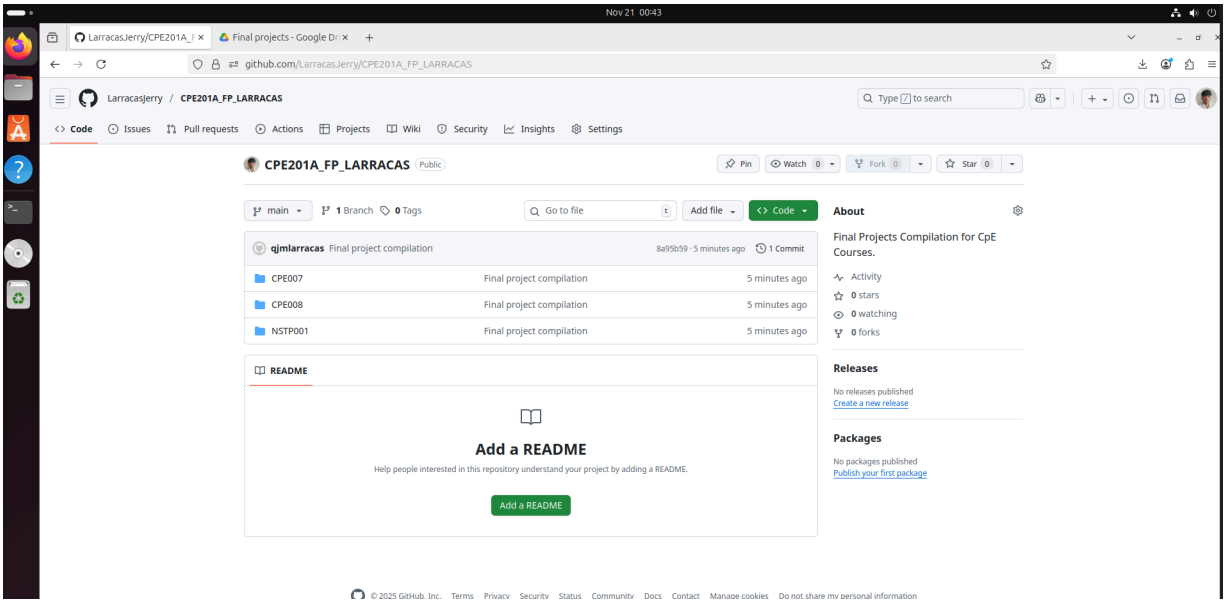


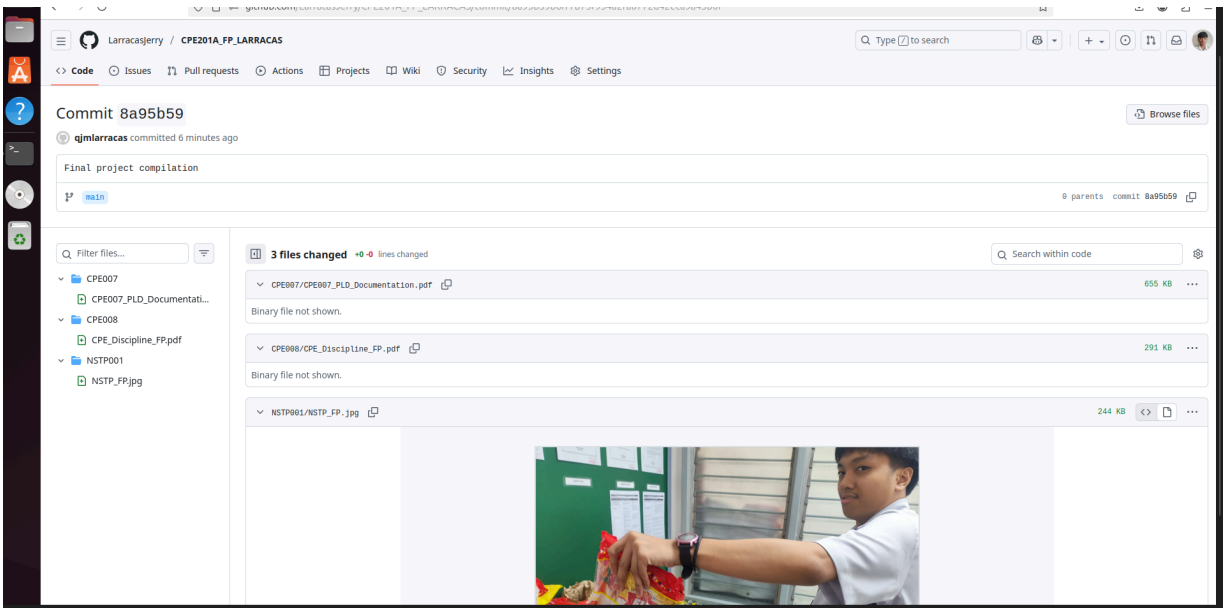
- **Ubuntu terminal commands during initialization, commit, and push.**

```
larracas@larracas-VirtualBox:~/Desktop$ cd Downloads
bash: cd: Downloads: No such file or directory
larracas@larracas-VirtualBox:~/Desktop$ cd ~/Downloads
larracas@larracas-VirtualBox:~/Downloads$ ls
CPE007_PLD_Documentation.pdf  CPE_Discipline_FP.pdf  NSTP_FP.jpg
larracas@larracas-VirtualBox:~/Downloads$ cp ~/Downloads/CPE007_PLD_Documentation.pdf ~/Documents/CpE_Projects/CPE007
larracas@larracas-VirtualBox:~/Downloads$ cp ~/Downloads/CPE007_PLD_Documentation.pdf ~/Documents/CpE_Projects/CPE201A_FP_LARRACAS/CPE007
larracas@larracas-VirtualBox:~/Downloads$ cp ~/Downloads/NSTP_FP.jpg ~/Documents/CpE_Projects/CPE201A_FP_LARRACAS/NSTP001
larracas@larracas-VirtualBox:~/Downloads$ cd
larracas@larracas-VirtualBox:~$ cd ~/Documents/CpE_Projects/CPE201A_FP_LARRACAS
larracas@larracas-VirtualBox:~/Documents/CpE_Projects/CPE201A_FP_LARRACAS$ ls
CPE007  CPE008  NSTP001
larracas@larracas-VirtualBox:~/Documents/CpE_Projects/CPE201A_FP_LARRACAS$ cd CPE007
larracas@larracas-VirtualBox:~/Documents/CpE_Projects/CPE201A_FP_LARRACAS/CPE007$ ls
CPE007_PLD_Documentation.pdf
larracas@larracas-VirtualBox:~/Documents/CpE_Projects/CPE201A_FP_LARRACAS/CPE007$ cd
larracas@larracas-VirtualBox:~$ cd ~/Documents/CpE_Projects/CPE201A_FP_LARRACAS/CPE008
larracas@larracas-VirtualBox:~/Documents/CpE_Projects/CPE201A_FP_LARRACAS/CPE008$ ls
CPE_Discipline_FP.pdf
larracas@larracas-VirtualBox:~/Documents/CpE_Projects/CPE201A_FP_LARRACAS/CPE008$ cd ..
larracas@larracas-VirtualBox:~/Documents/CpE_Projects/CPE201A_FP_LARRACAS$ cd NSTP001
larracas@larracas-VirtualBox:~/Documents/CpE_Projects/CPE201A_FP_LARRACAS/NSTP001$ ls
NSTP_FP.jpg
larracas@larracas-VirtualBox:~/Documents/CpE_Projects/CPE201A_FP_LARRACAS/NSTP001$ cd ..
larracas@larracas-VirtualBox:~/Documents/CpE_Projects/CPE201A_FP_LARRACAS$ git commit -m "Final project compilation"
On branch main

Initial commit

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        CPE007/
        CPE008/
        NSTP001/

nothing added to commit but untracked files present (use "git add" to track)
larracas@larracas-VirtualBox:~/Documents/CpE_Projects/CPE201A_FP_LARRACAS$ git add .
larracas@larracas-VirtualBox:~/Documents/CpE_Projects/CPE201A_FP_LARRACAS$ git commit -m "Final project compilation"
[main (root-commit) 8a95b59] Final project compilation
 3 files changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 CPE007/CPE007_PLD_Documentation.pdf
 create mode 100644 CPE008/CPE_Discipline_FP.pdf
 create mode 100644 NSTP001/NSTP_FP.jpg
```

```
larracas@larracas-VirtualBox:~/Documents/CpE_Projects/CPE201A_FP_LARRACAS$ git branch -M main
larracas@larracas-VirtualBox:~/Documents/CpE_Projects/CPE201A_FP_LARRACAS$ git push -u origin main
Enumerating objects: 8, done.
Counting objects: 100% (8/8), done.
Compressing objects: 100% (6/6), done.
Writing objects: 100% (8/8), 1.01 MiB | 3.43 MiB/s, done.
Total 8 (delta 0), reused 0 (delta 0), pack-reused 0
To github.com:LarracasJerry/CPE201A_FP_LARRACAS.git
 * [new branch]      main -> main
branch 'main' set up to track 'origin/main'.
larracas@larracas-VirtualBox:~/Documents/CpE_Projects/CPE201A_FP_LARRACAS$
```

- **Final GitHub repository page showing the uploaded projects.**





5. Conclusion/Learnings/Analysis:

I find this final project fun to do and it is amazing that we are capable of doing this with the use of emulator of linux and it is not that complicated if you are on the right track and it makes it more understandable and easy to learn it.

6. Assessment Rubric:

Rubric for SO 7 (7)

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

Total Points: 18