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.

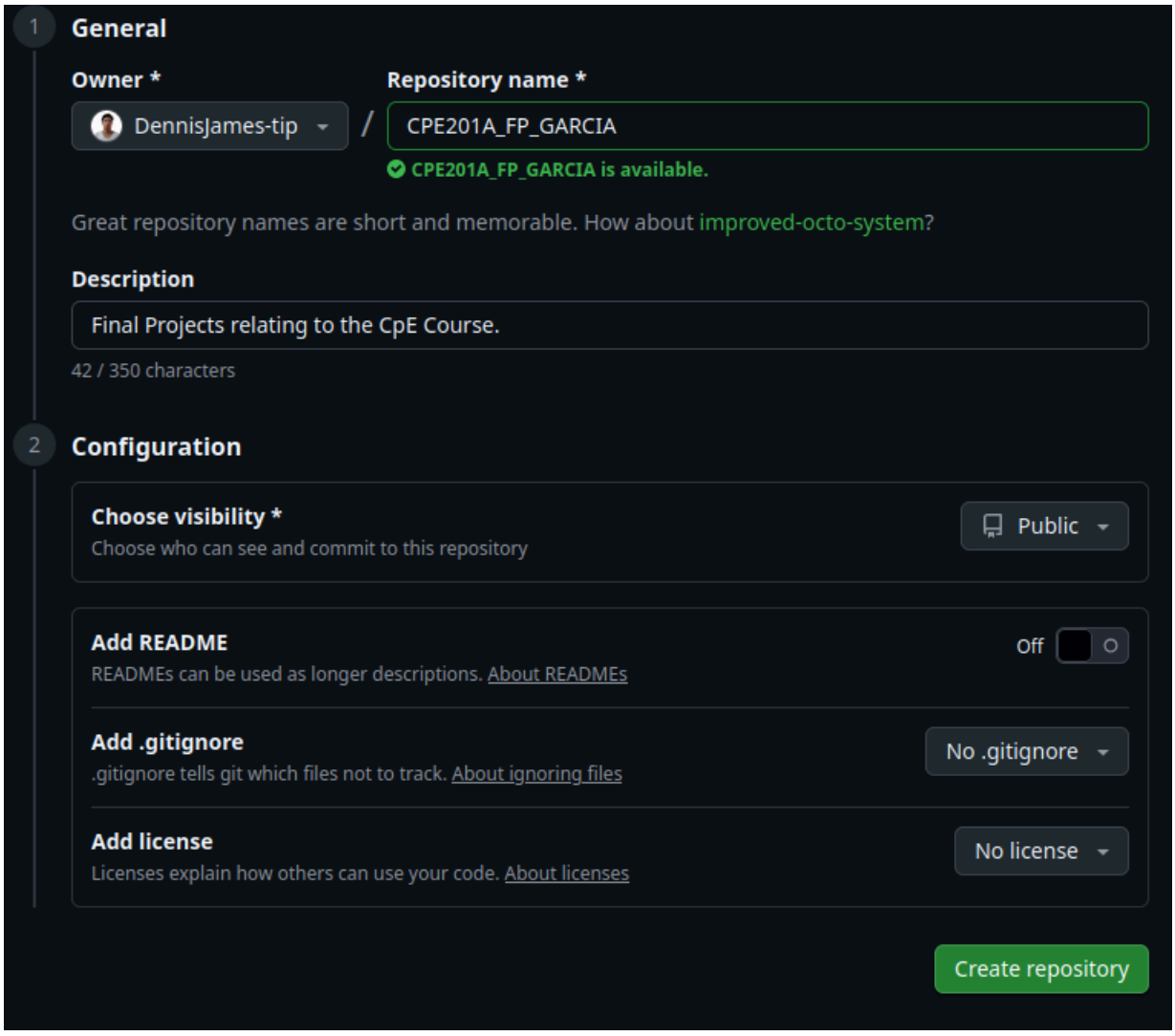
2. **Prepare Files on Ubuntu Linux**
   - Open your Ubuntu terminal.
   - Navigate to the directory where your final projects are saved.
     cd ~/Documents/CpE_Projects
   - Organize your project folders according to different CpE courses, for example:

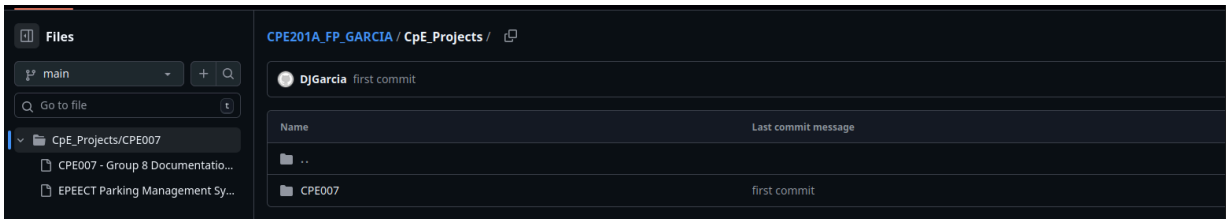
```
CPE201A_FP_SURNAME/
├── CPE101/
├── CPE102/
├── CPE103/
└── CPE104/
```

   - 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:



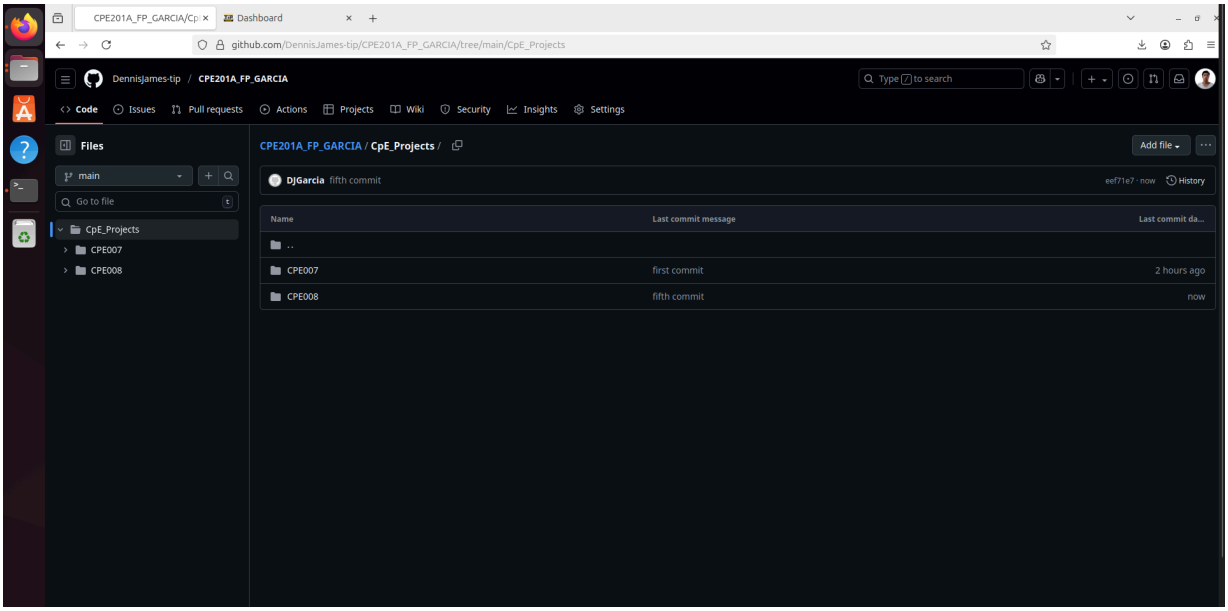



```
linuxdj@LinuxDJ:~/Desktop$ cd
linuxdj@LinuxDJ:~$ cd CPE201A_FP_GARCIA
linuxdj@LinuxDJ:~/CPE201A_FP_GARCIA$ cd
linuxdj@LinuxDJ:~$ -r /home/linuxdj/Documents/CpE_Projects /home/linuxdj/CPE201A_FP_GARCIA
-r: command not found
linuxdj@LinuxDJ:~$ -cp /home/linuxdj/Documents/CpE_Projects /home/linuxdj/CPE201A_FP_GARCIA
Command '-cp' not found, did you mean:
  command 'pcp' from deb pcp (6.1.1-1)
  command 'scp' from deb openssh-client (1:9.6p1-3ubuntu13.9)
  command 'rcp' from deb rsh-client (0.17-24)
  command 'ocp' from deb opencubicplayer (1:0.2.106+ds-1)
  command 'icp' from deb renameutils (0.12.0-11)
  command 'qcp' from deb renameutils (0.12.0-11)
  command 'mcp' from deb mmv (2.5.1-1)
  command 'lcp' from deb lsh-client (2.1-14)
  command 'gcp' from deb gcp (0.2.1-1)
  command 'bcp' from deb libboost1.83-tools-dev (1.83.0-2.1ubuntu3.1)
  command 'bcp' from deb libboost1.74-tools-dev (1.74.0+ds1-23ubuntu3)
  command 'bcp' from deb libboost1.81-tools-dev (1.81.0-7ubuntu3)
  command 'cp' from deb coreutils (9.4-2ubuntu2)
  command 'hcp' from deb lam4-dev (7.1.4-7)
Try: sudo apt install <deb name>
linuxdj@LinuxDJ:~$ cp -R //home/linuxdj/Documents/CpE_Projects /home/linuxdj/CPE201A_FP_GARCIA
linuxdj@LinuxDJ:~$ cd CPE201A_FP_GARCIA
linuxdj@LinuxDJ:~/CPE201A_FP_GARCIA$ ls
CpE_Projects
linuxdj@LinuxDJ:~/CPE201A_FP_GARCIA$ git add CpE_Projects
linuxdj@LinuxDJ:~/CPE201A_FP_GARCIA$ git commit -m "first commit"
[main (root-commit) 129a764] first commit
 2 files changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 CpE_Projects/CPE007/CPE007 - Group 8 Documentation .pdf
 create mode 100644 CpE_Projects/CPE007/EPEECT Parking Management System-1 (1).pdf
linuxdj@LinuxDJ:~/CPE201A_FP_GARCIA$ git push origin master
error: src refspec master does not match any
error: failed to push some refs to 'github.com:DennisJames-tip/CPE201A_FP_GARCIA.git'
linuxdj@LinuxDJ:~/CPE201A_FP_GARCIA$ git push
```

```
linuxdj@LinuxDJ:~/CPE201A_FP_GARCIA$ git commit -m "fourth commit"
[main 187ecce] fourth commit
 2 files changed, 0 insertions(+), 0 deletions(-)
 delete mode 100644 CpE_Projects/CPE008/CPE008/GROUP_8 Final Requirements_ Reflection paper.docx.pdf
 delete mode 100644 CpE_Projects/CPE008/GROUP_8_FR_Reflection_paper.pdf
linuxdj@LinuxDJ:~/CPE201A_FP_GARCIA$ git push
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 4 threads
Compressing objects: 100% (1/1), done.
Writing objects: 100% (3/3), 285 bytes | 285.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To github.com:DennisJames-tip/CPE201A_FP_GARCIA.git
   67fce53..187ecce  main -> main
linuxdj@LinuxDJ:~/CPE201A_FP_GARCIA$ cp -r /home/linuxdj/Documents/CpE_Projects/CPE008 /home/linuxdj/CPE201A_FP_GARCIA/CpE_Projects
linuxdj@LinuxDJ:~/CPE201A_FP_GARCIA$ git status
On branch main
Your branch is up to date with 'origin/main'.

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

nothing added to commit but untracked files present (use "git add" to track)
linuxdj@LinuxDJ:~/CPE201A_FP_GARCIA$ git add CpE_Projects/CPE008/
linuxdj@LinuxDJ:~/CPE201A_FP_GARCIA$ git commit -m "fifth commit"
[main eef71e7] fifth commit
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 CpE_Projects/CPE008/GROUP 8 FR Reflection paper.pdf
linuxdj@LinuxDJ:~/CPE201A_FP_GARCIA$ git push
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 4 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (5/5), 3.63 MiB | 1.91 MiB/s, done.
Total 5 (delta 0), reused 0 (delta 0), pack-reused 0
To github.com:DennisJames-tip/CPE201A_FP_GARCIA.git
   187ecce..eef71e7  main -> main
```



5. Conclusion/Learnings/Analysis:

Linux (Ubuntu) can be case sensitive, especially when I try to move directories, copy files etc. It often leads to it not working due to case issues and namings. This activity helped me to set up my repository for github without manually doing it. The commands that I have learned for previous activities helps with larger projects with large amounts of files that need to be moved and this can be applied real-time for faster updates.

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