

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

- Make sure each folder contains the corresponding final project files from that course.

### 3. Initialize Git and Push to GitHub

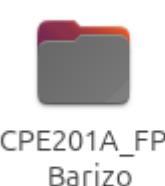
#### 4. Verify and Share

- 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:



CPE201A\_FP\_Barizo



CPE007\_Programming\_L



CPE008\_Co



CPE201A\_CompSysAdm

```
barizo@UbuntuBarizo:~/Documents$ cd CPE201A_FP_Barizo
barizo@UbuntuBarizo:~/Documents/CPE201A_FP_Barizo$ mkdir CPE007_Programming_Logic_and_Design
barizo@UbuntuBarizo:~/Documents/CPE201A_FP_Barizo$ mkdir CPE008_Computer_Engineering_as_Disipline
barizo@UbuntuBarizo:~/Documents/CPE201A_FP_Barizo$ mkdir CPE201A_CompSysAdmin_And_Troubleshooting
barizo@UbuntuBarizo:~/Documents/CPE201A_FP_Barizo$ 

barizo@UbuntuBarizo:~/Documents/CPE201A_FP_Barizo$ git init
hint: Using 'master' as the name for the initial branch. This default branch name
hint: is subject to change. To configure the initial branch name to use in all
hint: of your new repositories, which will suppress this warning, call:
hint:
hint:   git config --global init.defaultBranch <name>
hint:
hint: Names commonly chosen instead of 'master' are 'main', 'trunk' and
hint: 'development'. The just-created branch can be renamed via this command:
hint:
hint:   git branch -m <name>
Initialized empty Git repository in /home/barizo/Documents/CPE201A_FP_Barizo/.git/
barizo@UbuntuBarizo:~/Documents/CPE201A_FP_Barizo$ git remote add origin https://github.com/Barizocpe/CPE201A_FP_Barizo.git
```

```

barizo@UbuntuBarizo:~/Documents/CPE201A_FP_Barizo$ git branch -M main
barizo@UbuntuBarizo:~/Documents/CPE201A_FP_Barizo$ 
barizo@UbuntuBarizo:~/Documents/CPE201A_FP_Barizo$ git push -u origin main

```

✓ CPE201A\_FP\_Barizo  
 ✓ CPE007\_Programming\_Logi...  
   + CPE 007 Cashiering Syste...  
   + NPMC Cashiering Program...  
 ✓ CPE008\_Computer\_Enginee...  
   + Final Requirements Reflect...  
   + Final Requirements\_Reflect...

The screenshot shows a GitHub repository page for 'CPE201A\_FP\_Barizo'. The left sidebar displays the repository structure with folders for CPE201A\_FP\_Barizo, CPE007\_Programming\_Logi..., and CPE008\_Computer\_Engineering.... The main area shows a commit history from 'Barizope' at 3c991dd 3 minutes ago. The commit message is 'Add files via upload'. The commit details show three files added: 'CPE 007 Cashiering System, Fin...', 'CPE007\_Programming\_Logic\_and\_Design', and 'CPED08\_Computer\_Engineering\_as\_Disipline'. All three files were added via upload 3 minutes ago.

Name	Last commit message	Last commit date
..		
CPE007_Programming_Logic_and_Design	Add files via upload	3 minutes ago
CPED08_Computer_Engineering_as_Disipline	Add files via upload	3 minutes ago

## 5. Conclusion/Learnings/Analysis:

In this project, I successfully created a professional GitHub portfolio compiling outputs from my CpE courses. I learned how to organize files into folders, initialize a Git repository, commit changes, and push them to GitHub. This experience helped me understand version control, repository management, and how to present projects in an organized and professional way. These skills are essential for a Computer Engineer in collaborating on projects and maintaining a portfolio of work.

## 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