

<b>Final Project</b>	
<b>Github Portfolio</b>	
<b>Name: Troy Jerron A. Bautista</b>	<b>Date Submitted: 11/21/2025</b>
<b>Course Code and Title: CPE201A - Computer System Administration and Troubleshooting</b>	<b>Instructor: Lloyd Aldrin Pornobi</b>
<b>1. Objective/s:</b>	
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.	
<b>2. Intended Learning Outcome/s:</b>	
By the end of this final project, the students should be able to: <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>	
<b>3. Directions:</b>	
<p><b>1. Create a New Repository</b></p> <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: CPE201A_FP_SURNAME</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> <p><b>2. Prepare Files on Ubuntu Linux</b></p> <ul style="list-style-type: none"> <li>• Open your Ubuntu terminal.</li> <li>• Navigate to the directory where your final projects are saved. cd ~/Documents/CpE_Projects</li> <li>• Organize your project folders according to different CpE courses, for example: CPE201A_FP_SURNAME/ ├── CPE101/ ├── CPE102/ ├── CPE103/ └── CPE104/</li> </ul>	

- 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

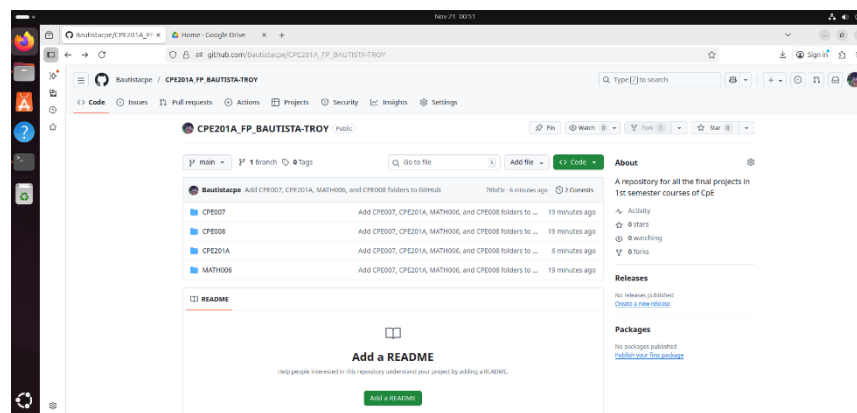
### Organized folder structure

```
iteuser@iteuser-VirtualBox:~/Documents/CpE_Projects/CPE201A_FP_BAUTISTA$ ls -l
total 16
drwxrwxr-x 2 iteuser iteuser 4096 Nov 21 00:28 CPE007
drwxrwxr-x 2 iteuser iteuser 4096 Nov 19 00:42 CPE008
drwxrwxr-x 2 iteuser iteuser 4096 Nov 21 00:41 CPE201A
drwxrwxr-x 2 iteuser iteuser 4096 Nov 21 00:04 MATH006
```

Ubuntu terminal commands during initialization, commit, and push (CPE201A separated due to it not being included in the first commit)

```
iteuser@iteuser-VirtualBox:~/Documents/CpE_Projects/CPE201A_FP_BAUTISTA$ 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/iteuser/Documents/CpE_Projects/CPE201A_FP_BAUTISTA/.git/
iteuser@iteuser-VirtualBox:~/Documents/CpE_Projects/CPE201A_FP_BAUTISTA$ git commit -m "Add CPE007, CPE201A, MATH006, and CPE008 folders to GitHub"
[master (root-commit) 408811c] Add CPE007, CPE201A, MATH006, and CPE008 folders to GitHub
 5 files changed, 10 insertions(+)
 create mode 100644 .gitattributes
 create mode 100644 CPE007/Assignment 6.2_Final Project - System, Document.docx
 create mode 100644 CPE007/CPE007.Presentation.mp4
 create mode 100644 CPE008/Reflection Paper Format Alumni Interview.pdf
 create mode 100644 MATH006/DMath_Final_Project.mp4
iteuser@iteuser-VirtualBox:~/Documents/CpE_Projects/CPE201A_FP_BAUTISTA$ git commit -m "Add CPE007, CPE201A, MATH006, and CPE008 folders to GitHub"
[main 78faf3c] Add CPE007, CPE201A, MATH006, and CPE008 folders to GitHub
 2 files changed, 4 deletions(-)
 delete mode 100644 .gitattributes
 create mode 100644 CPE201A/.txt
iteuser@iteuser-VirtualBox:~/Documents/CpE_Projects/CPE201A_FP_BAUTISTA$ git push -u origin main
Enumerating objects: 10, done./2), 77 MB | 581 KB/s
Counting objects: 100% (10/10), done.
Compressing objects: 100% (10/10), done.
Writing objects: 100% (10/10), 4.99 MiB | 2.37 MiB/s, done.
Total 10 (delta 0), reused 0 (delta 0), pack-reused 0
To github.com:Bautistacpe/CPE201A_FP_BAUTISTA-TROY.git
 * [new branch]      main -> main
branch 'main' set up to track 'origin/main'.
iteuser@iteuser-VirtualBox:~/Documents/CpE_Projects/CPE201A_FP_BAUTISTA$ git push -u origin main
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Compressing objects: 100% (2/2), done.
Writing objects: 100% (4/4), 413 bytes | 413.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
To github.com:Bautistacpe/CPE201A_FP_BAUTISTA-TROY.git
 408811c..78faf3c  main -> main
branch 'main' set up to track 'origin/main'.
```






Final GitHub repository page showing the uploaded projects



## 5. Conclusion/Learnings/Analysis:

In conclusion, I have learned how to put folders and files into GitHub using git commands. Using the past lessons about different types of commands and learning how to setup Git, I applied all of those lessons to successfully do this project. This task took me a long amount of time to finish this, and relief I felt after finishing it. While encountering errors, I still managed to learn new things that answered all my questions about this, like putting these files into the CPE201A, because it would be a hassle doing this separately, but it's actually simple.

## 6. Assessment Rubric:

Rubric for SO 7 (7)								 
Criteria		Ratings					Pts	
 <b>SO 7 PI 1</b> <b>Student Outcome 7.1</b> 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	
 <b>SO 7 PI 3</b> <b>Student Outcome 7.3</b> 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	
 <b>SO 7 PI 4</b> <b>Student Outcome 7.4</b> 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								