

Final Project	
Github Portfolio	
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Course Code and Title: CPE201A - Computer System Administration and Troubleshooting	Instructor: Lloyd Aldrin Pornobi
<p>1. Objective/s:</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>2. Intended Learning Outcome/s:</p> <p>By the end of this final project, the students should be able to:</p> <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. 	
<p>3. Directions:</p> <ol style="list-style-type: none"> 1. Create a New Repository <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. 2. Prepare Files on Ubuntu Linux <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

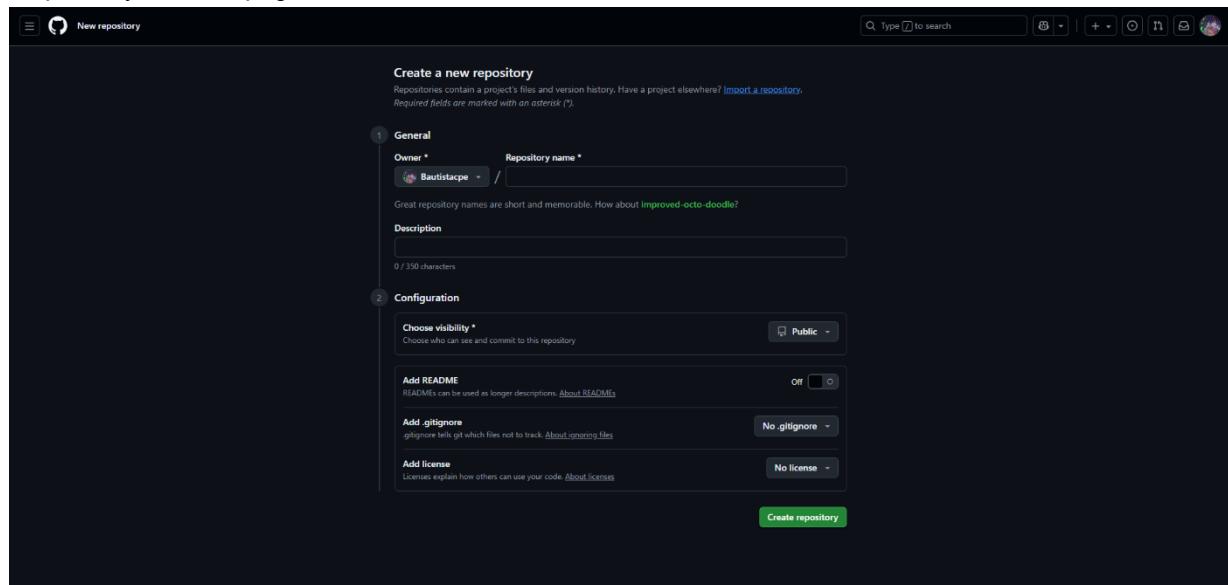
- Go to your GitHub repository online and confirm that all files and folders are properly uploaded and organized.
- Copy your repository link and make sure it is accessible (if required, set repository visibility to “Public”).

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

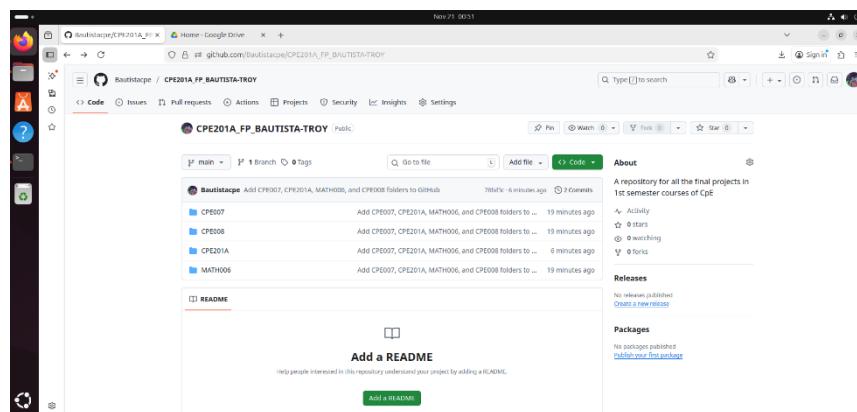
```
iteuser@iteuser-VirtualBox:~/Documents/CpE_Projects/CPE201A_FP_BAUTISTA$ ls -l
total 16
drwxrwxr-x 2 iteuser iteuser 4096 Nov 21 00:28 CPE007
drwxrwxr-x 2 iteuser iteuser 4096 Nov 19 00:42 CPE008
drwxrwxr-x 2 iteuser iteuser 4096 Nov 21 00:41 CPE201A
drwxrwxr-x 2 iteuser iteuser 4096 Nov 21 00:04 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 lesson to successful do this project. This take took me a long amount of timr to finish this, and relief I felt after finishing it. While encountering errors, I still managed to learn new things that answered all my question about this, like putting this 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
⌚ 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