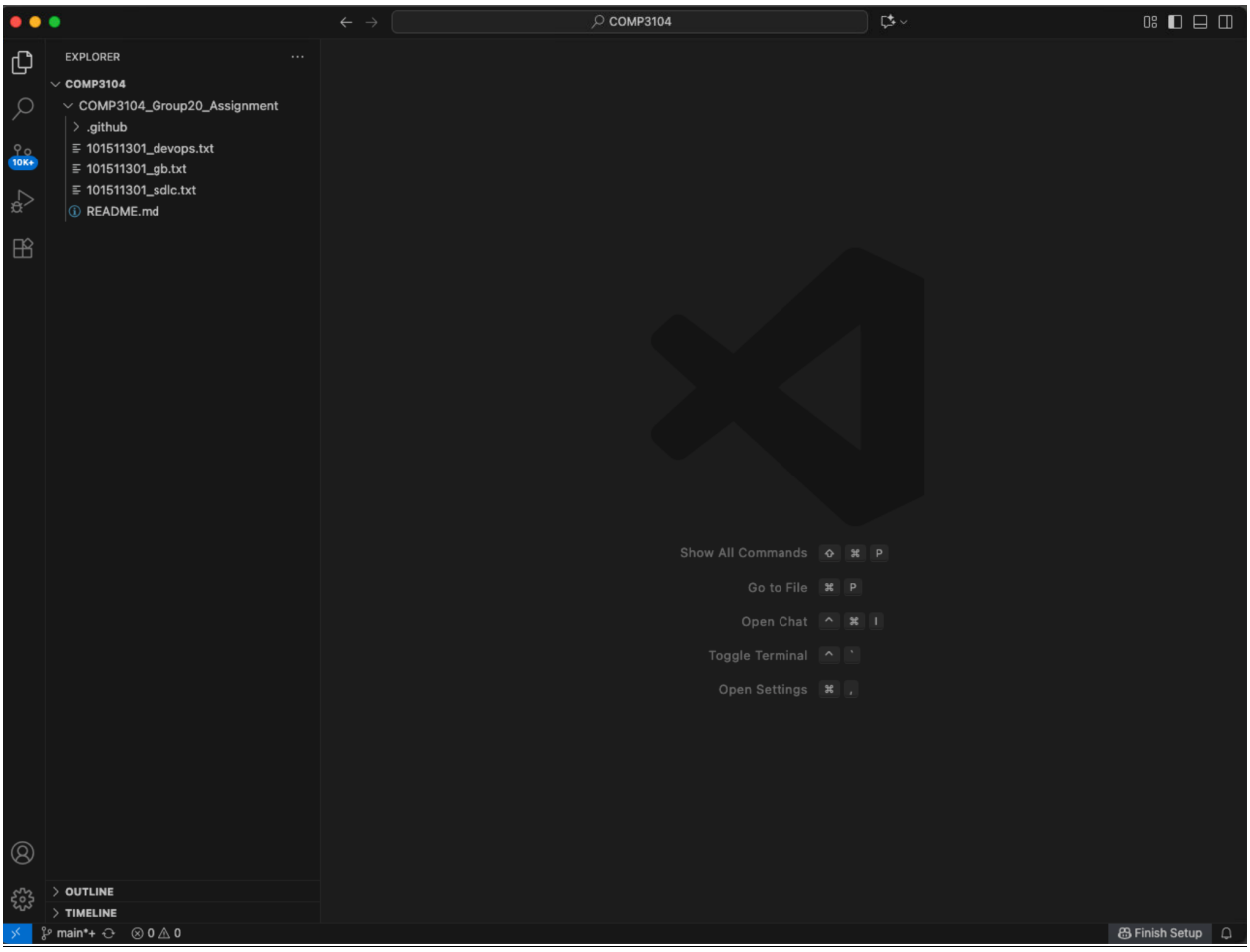
Group Assignment COMP 3104 – DevOps

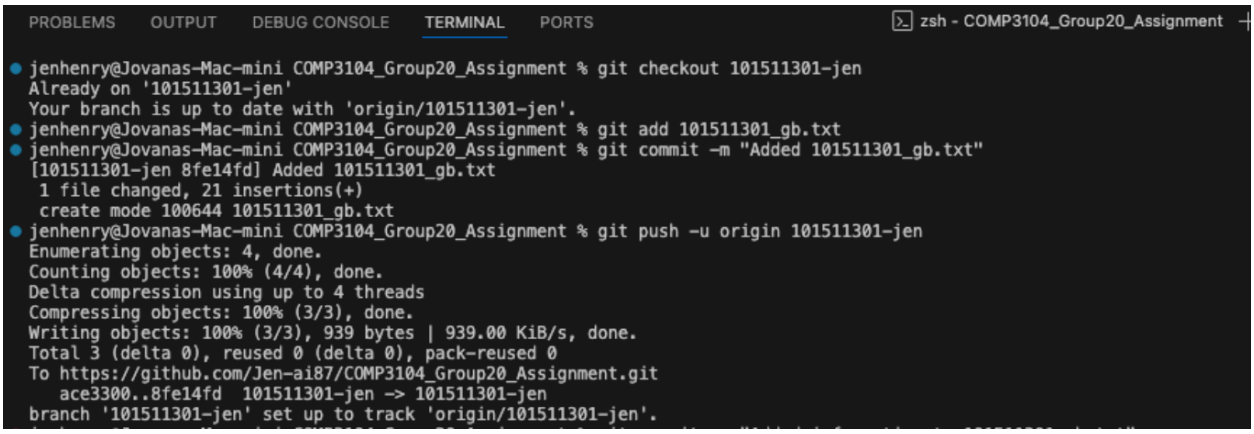
Name: Jen Henry
Student ID: 101511301

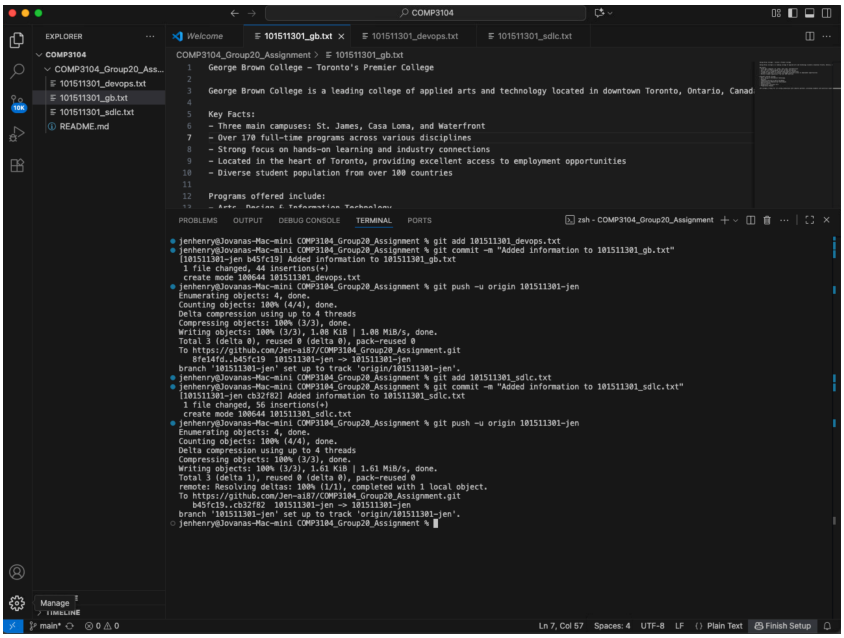
Repository Link:
https://github.com/Jen-ai87/COMP3104_Group20_Assignment.git

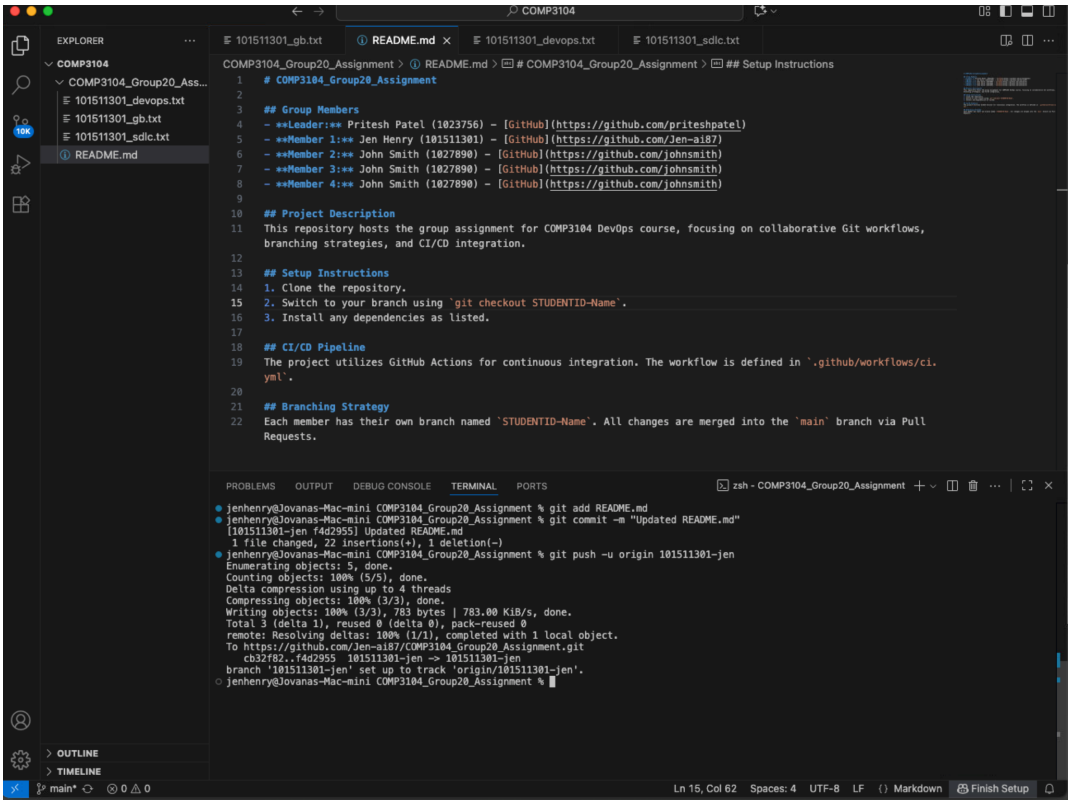
Local GitHub Repository Setup:

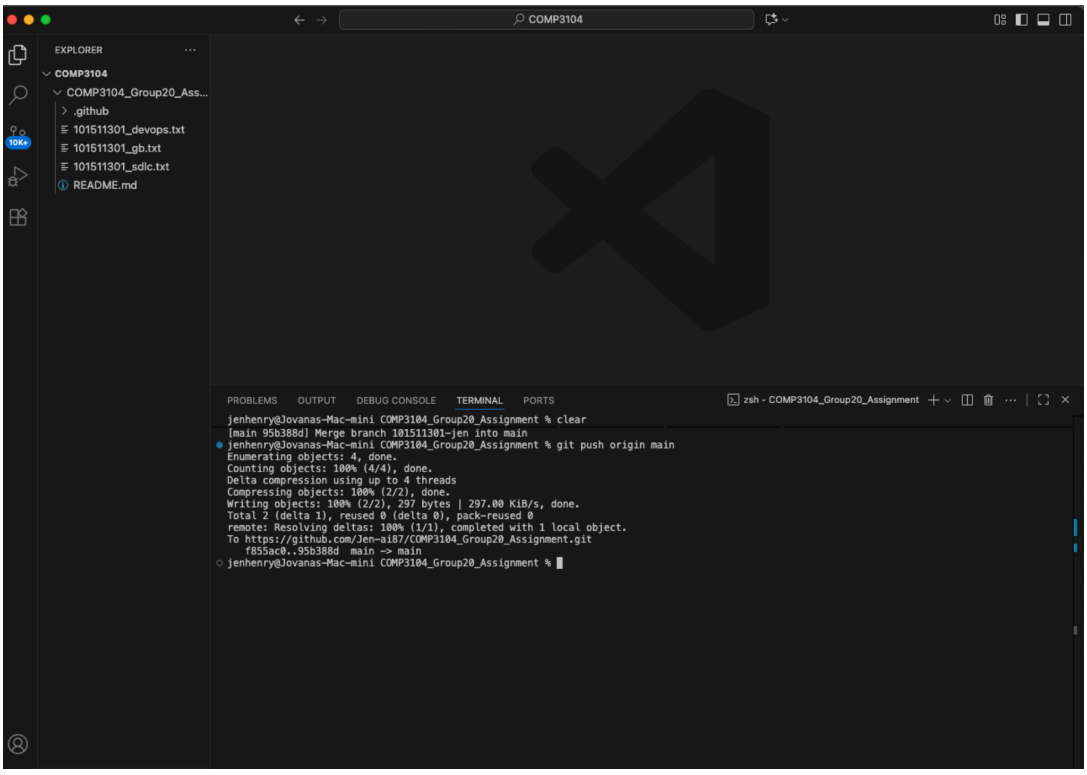


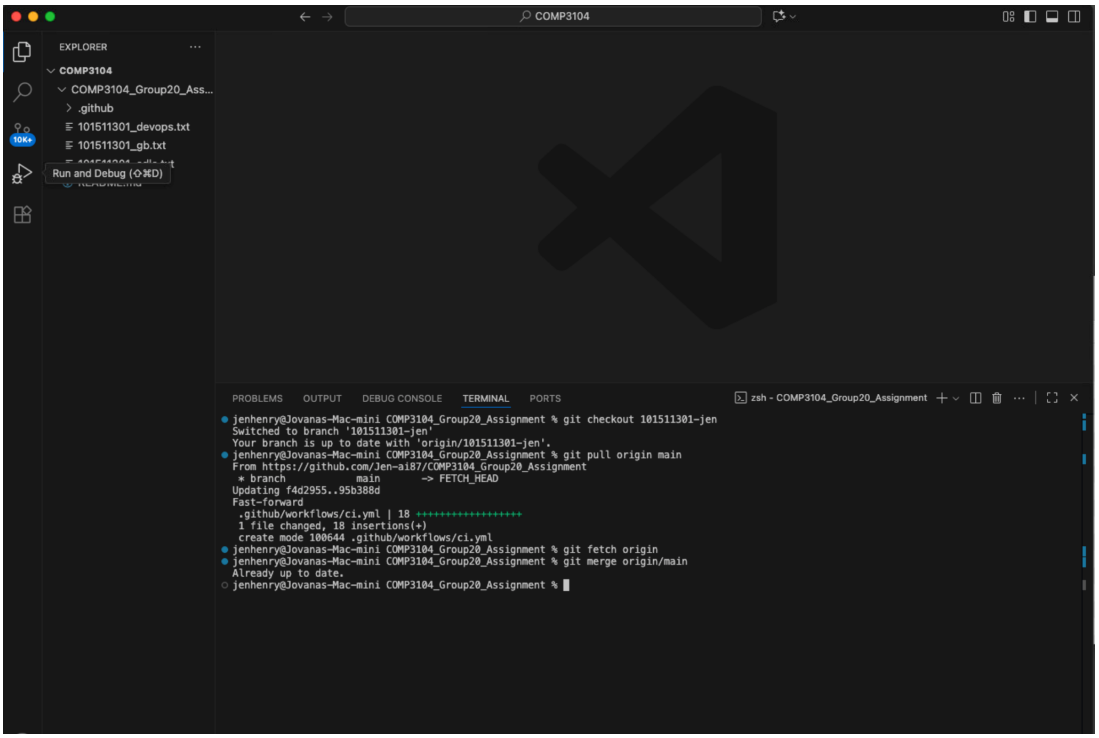
Screenshots of GitHub Commits:

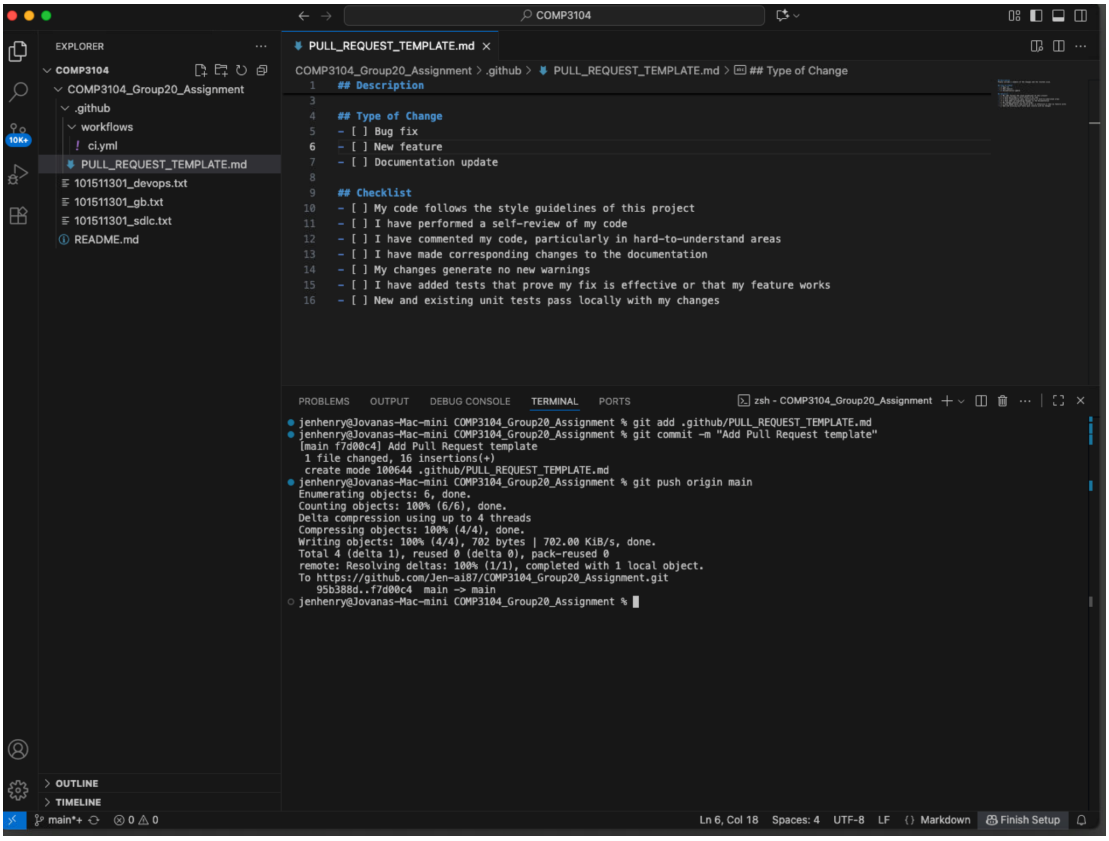




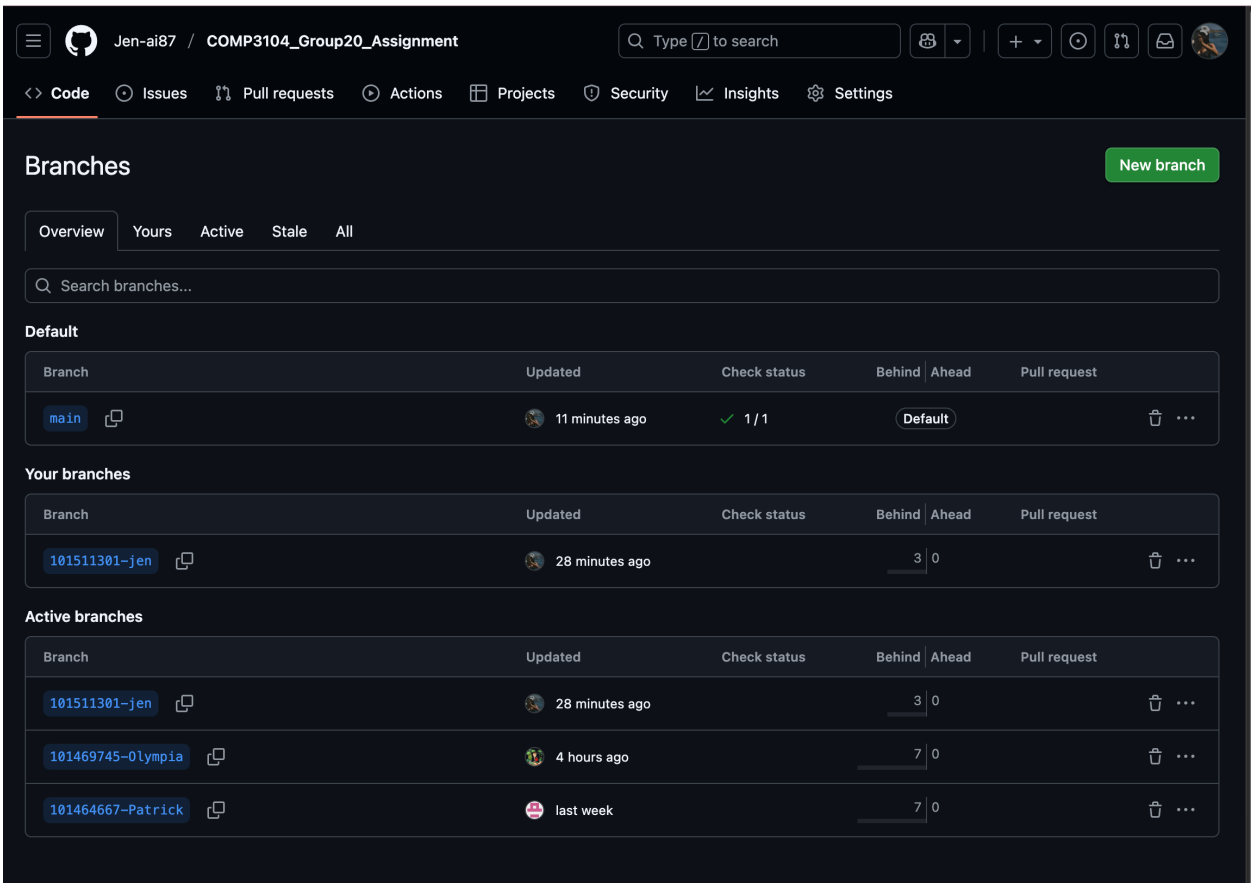
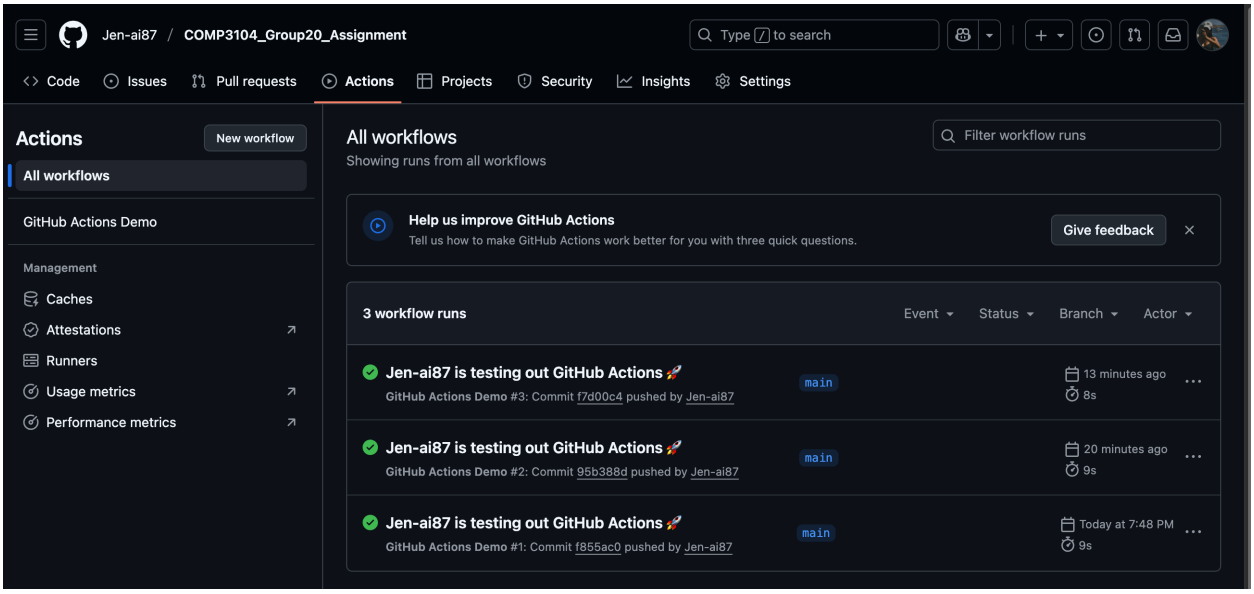

COMP3104
EXPLORER
COMP3104
COMP3104_Group20_Ass...
101511301_devops.txt
101511301_gb.txt
101511301_sdlc.txt
README.md
101511301_gb.txt
README.md
101511301_devops.txt
101511301_sdlc.txt
COMP3104_Group20_Assignment > README.md > # COMP3104_Group20_Assignment > ## Setup Instructions
COMP3104_Group20_Assignment
Group Members
- **Leader:** Pritesh Patel (1023756) - [GitHub](https://github.com/priteshpatel)
- **Member 1:** Jen Henry (101511301) - [GitHub](https://github.com/Jen-ai87)
- **Member 2:** John Smith (1027890) - [GitHub](https://github.com/johnsmith)
- **Member 3:** John Smith (1027890) - [GitHub](https://github.com/johnsmith)
- **Member 4:** John Smith (1027890) - [GitHub](https://github.com/johnsmith)
Project Description
This repository hosts the group assignment for COMP3104 DevOps course, focusing on collaborative Git workflows, branching strategies, and CI/CD integration.
Setup Instructions
1. Clone the repository.
2. Switch to your branch using `git checkout STUDENTID-Name`.
3. Install any dependencies as listed.
CI/CD Pipeline
The project utilizes GitHub Actions for continuous integration. The workflow is defined in `.github/workflows/ci.yml`.
Branching Strategy
Each member has their own branch named `STUDENTID-Name`. All changes are merged into the `main` branch via Pull Requests.
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
zsh - COMP3104_Group20_Assignment
jenhenry@Jovanas-Mac-mini COMP3104_Group20_Assignment % git add README.md
jenhenry@Jovanas-Mac-mini COMP3104_Group20_Assignment % git commit -m "Updated README.md"
[101511301-jen f4d2955] Updated README.md
1 file changed, 22 insertions(+), 1 deletion(-)
jenhenry@Jovanas-Mac-mini COMP3104_Group20_Assignment % git push -u origin 101511301-jen
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 4 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 783 bytes | 783.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/Jen-ai87/COMP3104_Group20_Assignment.git
cb32f82..f4d2955 101511301-jen -> 101511301-jen
branch '101511301-jen' set up to track 'origin/101511301-jen'.
jenhenry@Jovanas-Mac-mini COMP3104_Group20_Assignment %
OUTLINE
TIMELINE
main*
0 0
Ln 15, Col 62 Spaces: 4 UTF-8 LF Markdown Finish Setup


COMP3104
EXPLORER
COMP3104
COMP3104_Group20_Ass...
.github
101511301_devops.txt
101511301_gb.txt
101511301_sdlc.txt
README.md
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
zsh - COMP3104_Group20_Assignment
jenhenry@Jovanas-Mac-mini COMP3104_Group20_Assignment % clear
[main 95b388d] Merge branch 101511301-jen into main
jenhenry@Jovanas-Mac-mini COMP3104_Group20_Assignment % git push origin main
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 4 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (2/2), 297 bytes | 297.00 KiB/s, done.
Total 2 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/Jen-ai87/COMP3104_Group20_Assignment.git
f855ac0..95b388d main -> main
jenhenry@Jovanas-Mac-mini COMP3104_Group20_Assignment %


COMP3104
EXPLORER
COMP3104
COMP3104_Group20_Ass...
.github
101511301_devops.txt
101511301_gb.txt
Run and Debug (⇧⌘D)
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
zsh - COMP3104_Group20_Assignment
jenhenry@Jovanas-Mac-mini COMP3104_Group20_Assignment % git checkout 101511301-jen
Switched to branch '101511301-jen'
Your branch is up to date with 'origin/101511301-jen'.
jenhenry@Jovanas-Mac-mini COMP3104_Group20_Assignment % git pull origin main
From https://github.com/Jen-ai87/COMP3104_Group20_Assignment
* branch main -> FETCH_HEAD
Updating f4d2955..95b388d
Fast-forward
.github/workflows/ci.yml | 18 ++++++++++++++++
1 file changed, 18 insertions(+)
create mode 100644 .github/workflows/ci.yml
jenhenry@Jovanas-Mac-mini COMP3104_Group20_Assignment % git fetch origin
jenhenry@Jovanas-Mac-mini COMP3104_Group20_Assignment % git merge origin/main
Already up to date.
jenhenry@Jovanas-Mac-mini COMP3104_Group20_Assignment %


COMP3104
EXPLORER
COMP3104
COMP3104_Group20_Assignment
.github
workflows
ci.yml
PULL_REQUEST_TEMPLATE.md
101511301_devops.txt
101511301_gb.txt
101511301_sdlc.txt
README.md
PULL_REQUEST_TEMPLATE.md
COMP3104_Group20_Assignment > .github > PULL_REQUEST_TEMPLATE.md > ## Type of Change
Description
Type of Change
- [ ] Bug fix
- [ ] New feature
- [ ] Documentation update
Checklist
- [ ] My code follows the style guidelines of this project
- [ ] I have performed a self-review of my code
- [ ] I have commented my code, particularly in hard-to-understand areas
- [ ] I have made corresponding changes to the documentation
- [ ] My changes generate no new warnings
- [ ] I have added tests that prove my fix is effective or that my feature works
- [ ] New and existing unit tests pass locally with my changes
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
zsh - COMP3104_Group20_Assignment
jenhenry@Jovanas-Mac-mini COMP3104_Group20_Assignment % git add .github/PULL_REQUEST_TEMPLATE.md
jenhenry@Jovanas-Mac-mini COMP3104_Group20_Assignment % git commit -m "Add Pull Request template"
[main f7d00c4] Add Pull Request template
1 file changed, 16 insertions(+)
create mode 100644 .github/PULL_REQUEST_TEMPLATE.md
jenhenry@Jovanas-Mac-mini COMP3104_Group20_Assignment % git push origin main
Enumerating objects: 6, done.
Counting objects: 100% (6/6), done.
Delta compression using up to 4 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (4/4), 702 bytes | 702.00 KiB/s, done.
Total 4 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/Jen-ai87/COMP3104_Group20_Assignment.git
95b388d..f7d00c4 main -> main
jenhenry@Jovanas-Mac-mini COMP3104_Group20_Assignment %
OUTLINE
TIMELINE
main*+
Ln 6, Col 18
Spaces: 4
UTF-8
LF
Markdown
Finish Setup

Branch Structure:



CI Pipeline Status: