# Git Commands to use for the Capstone project

## Part 1: On Git Bash

1. Create a folder for the Capstone project and cd into it

$ mkdir <folder name>

$ cd <folder name>

1. Clone the online repos for the back end and the front end into this folder

$ git clone <repo clone url>

1. Cd into the back end repo folder
2. Create a branch in your name / feature name

$ git branch <branch name>

1. Switch into that branch

$ git switch <branch name>

Or

$ git checkout <branch name>

1. Open your IDE and write your code
2. Open git bash again and follow the below commands
   1. Add the new files

$ git add . (you can also mention the file names)

* 1. Commit the files

$ git commit -m “your message”

* 1. Push the files

$ git push origin <your branch name>

## Part 2: On GitHub Repo

1. Create a pull request
2. Check for merge conflicts between your branch and main branch
3. Resolve the merge conflicts (if any)
4. Complete the merge
5. Delete your branch (NOT main branch)

## Part 3: On Git Bash

1. Switch to the main branch

$ git switch main

1. Pull the code from the GitHub repo

$ git pull

1. Switch to your branch

$ git checkout <your branch name>

1. Rebase your branch with the main branch

$ git rebase

1. Merge conflicts, if any, occur at this point. Resolve them by opening them in a text editor and removing the marker and code you don’t want.

Add the files again and commit them

Continue to rebase

$ git rebase –continue

Repeat the step 5 if there are more merge conflicts till all conflicts are resolved