

## Project Reflection:

The steps you took to create and manage branches.

- Create a repo in GitHub, then use the git clone command to copy the repo to local work station
- Utilizing the CLI commands through VS Code, git checkout -b feature/header command is used to create a feature branch to edit the index.html file header related data
- Optional: use the git status command to see what file(s) have yet to be staged and committed
- After making changes in the index.html, git add index.html is used to stage the file
- After the file is stage, git commit -m "Added header section to index.html" command is used to commit the change(s) and provide a description of the changes
- Optional: use the git status command to confirm the change(s) have been committed
- Once the changes have been committed, git checkout main command to return to the main branch
- On the main branch, git merge feature/header command is used to merge the header branch into the main branch

How you handled the merge conflict.

- To simulate a merge conflict, git checkout -b feature/footer command was used to create a footer branch to add a footer section
- After making changes in the index.html, git add index.html is used to stage the file
- After the file is stage, git commit -m "Added footer section to index.html"
- Then git checkout feature/header command is used to add changes to the footer section
- After making changes in the index.html, git add index.html is used to stage the file
- After the file is stage, git commit -m "Added footer section to index.html"
- Once the changes have been committed, git checkout main command to return to the main branch
- On the main branch, git merge feature/footer command is used to merge the footer branch into the main branch
- Then git merge feature/header command is used to merge the header branch into the main branch and trigger a merge conflict
- In the index.html file, the conflicted lines of code are reviewed and corrected/addressed ... either by removing the unwanted code or combining bits of

the code from the conflicting lines or moving lines of code around to remove the conflict

- Once the conflict has been resolved, `git add index.html` is used to stage the resolved file
- Next `git commit -m "Resolved merge conflict issue"` command is used to commit the change and add a description

How the pull request process helped you ensure code quality and collaboration.

- The pull request provides the opportunity for peer/senior leadership to review the code prior to merging into the main branch
- This provides an opportunity for the code to be reviewed and tested for errors to ensure quality and that code being introduced doesn't break the current code in production
- These reviews provide an opportunity for collaboration by having those more familiar with the process to provide feedback on ways to (1) improve the code (2) to keep it from being too DRY (3) provide tips on how to resolve errors