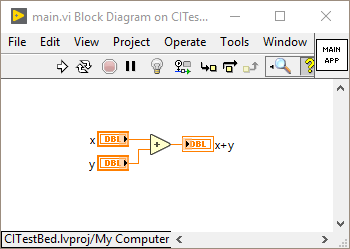
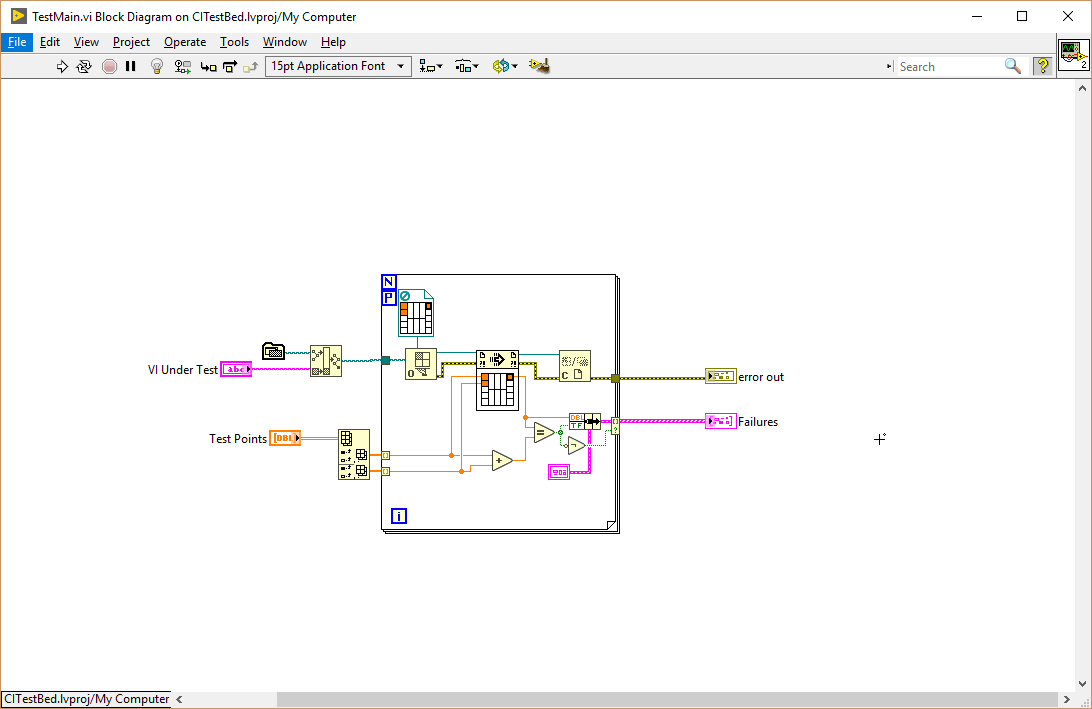
# First Time Commit

The first step was to create a repository and clone it to my work station. I used Github and Gitlab. Next, I created a LabVIEW Project and saved it to my repository, as well as included a main.vi for testing. In my project properties I set the compiled code to store in a separate cache and marked the main.vi.



# Creating a Branch

Created a branch called FunctionalTest. In this branch I intended to implement a unit test for the main.vi that I can use in my integration. I created a VI called TestMain.vi the quickly tests the add function in main.vi

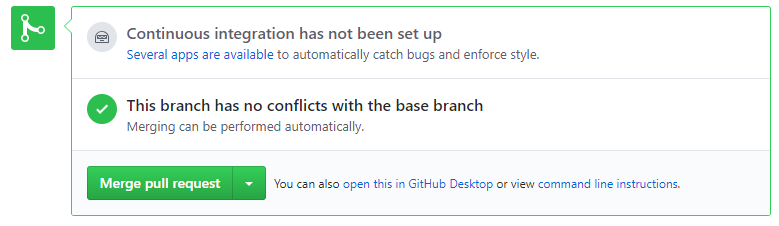


# Merging the Branch

I went to the Github page for the repository and selected “Branches” tab. In this tab I found the feature branch I created and saved. I selected, “New Pull Request” and selected that I wanted to pull FunctionalTest.

This brought me to the forum page where I was able to comment and tag people to comment before I requested the pull. I submitted the request.

Next, the pull request forum page came up. Since I am the admin I see this:



I can click the Merge pull request to pull the feature into the main branch. Several apps are available links to this: <https://github.com/marketplace/category/continuous-integration>

I merged the pull request.

# Researching Integration

This looks like a good guide:

https://resources.github.com/whitepapers/practical-guide-to-CI-with-Jenkins-and-GitHub/