## Project 1 CI Pipeline

Github Webhook

Jenkins
Build
Stage

Jenkins Test Stage

Jenkins
Deploy
Stage

Jenkins Discord Stage

Source Code change is pushed to master branch

Github lets Jenkins know that a new change has been made Get source from Github

Create a python venv

install requirements via .txt file Jenkins runs the pytest file.

If test succeeds, proceeds to the Next stage.

Else, stop the pipeline

Remove any existing docker containers

Build a new Docker image named project1

using a dockercompose.yml file, deploy the image container in the background with Daemon Sends a message to a discord server if there was a successful build