

Tools to consider for CI/CD:

- Jenkins
- GitHub Actions
- Code Pipeline

<https://docs.github.com/en/actions/learn-github-actions/managing-complex-workflows>

Click on the actions tab on github

Create a new workflow

Skip choosing a workflow and you will be taken to a screen with a pre-made workflow.

Considerations:

You can either run the jobs sequentially or in parallel. Running the job in parallel could cause issues as one stage might depend on another to complete first.

You can use the need keyword in order to make it so that the jobs only run once the previous job has run and passed.

Workflow will be something like this...

Build: The beginning of your workflow where you will download all the needed dependencies/packages and run your application.

Test: The stage of the workflow where you will test your code/application for any issues or bugs to make sure things are the way they need to be.

Deploy: The stage where you release your code is released into production.