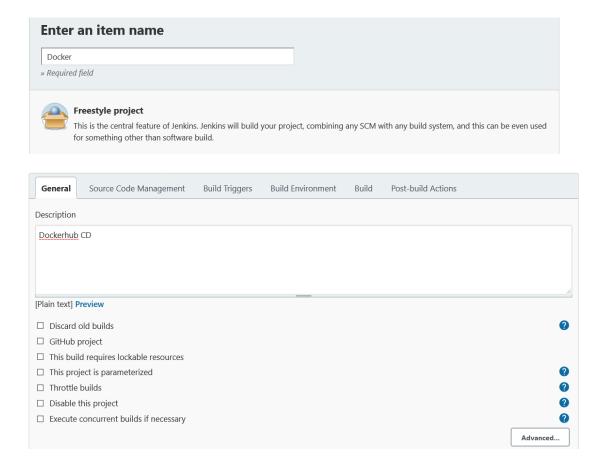
Group B ENSE 375 - Project Step 4 April 5, 2021

#### Jenkins & Docker CD Process

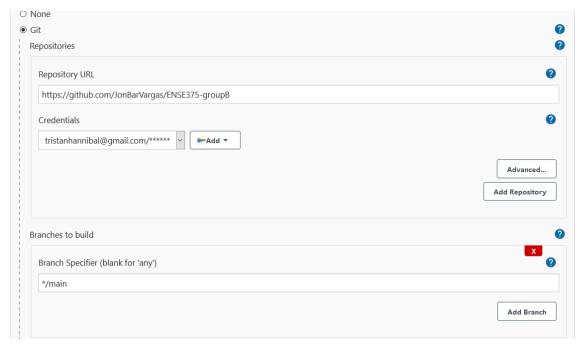
Our Dockerhub repo <a href="https://hub.docker.com/repository/docker/ense375groupb/groupb-activity4">https://hub.docker.com/repository/docker/ense375groupb/groupb-activity4</a>

# Starting on Jenkins

First we create a free-style project again.

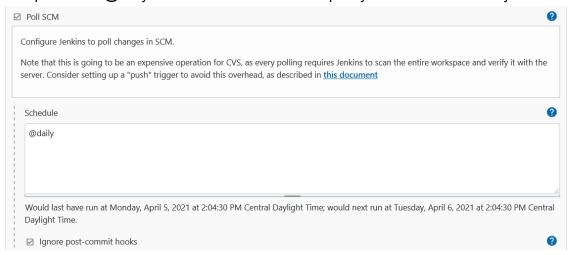


Next we do similar steps to our CI process. We connect our Jenkins project to a GitHub repo



We only care about the main, as this is the branch that passes our merge test of the previous process of CI.

To check if there are any updates daily, and build the project if there is, we must select the Poll SCM option. The @daily is a shortcut in Jenkins to specify we want to build daily.



Next we package our project with Maven. This will run the tests, and then it will allow us to create a Docker image from what is packaged, if the tests pass.



1.3.3

# After packaging, we installed the plugin:

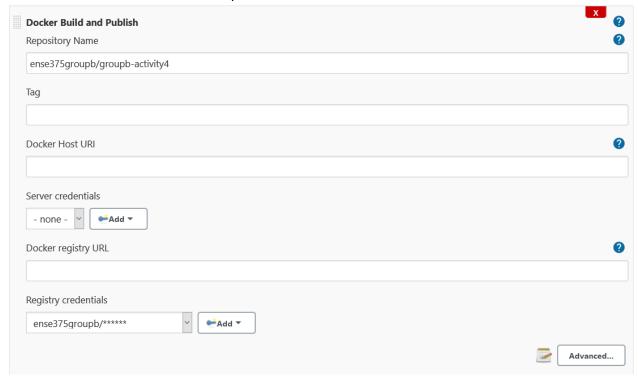
#### CloudBees Docker Build and Publish plugin

This plugin enables building Dockerfile

based projects, as well as publishing of
the built images/repos to the docker
registry.

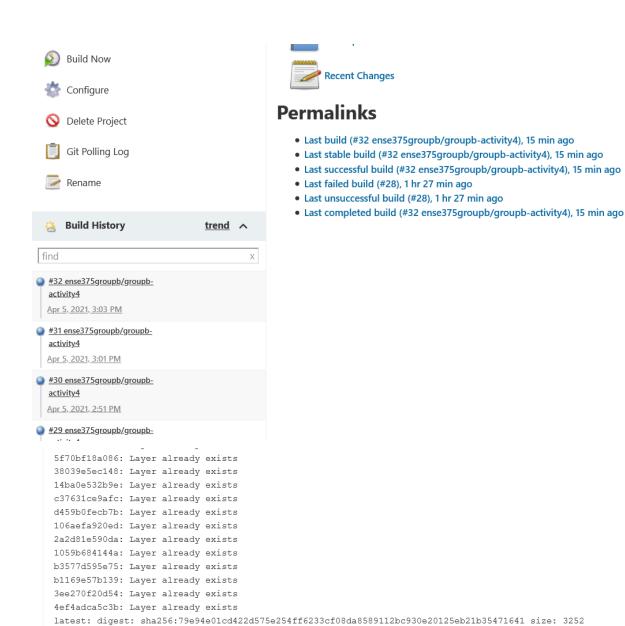
## Uninstall

### This allowed us to have a build step



This plugin defaults to Dockerhub, so all we need to do is point it to our Repo (ense375groupb/groupb-activity4) and give it our Dockerhub credentials.

This step will look for the Docker file in the workspace, and then build the Docker image. The image will be create and then pushed to Dockerhub



Thus the deployment is complete.

Finished: SUCCESS