Deploying to GCP App Engine

1. Start new project
2. Bring up cloud shell (just search in the search bar)
3. Set the command line to current project
   1. “gcloud projects list”
   2. “gcloud config set project <project id>”
4. Enable App Engine API
   1. Go to API & Services (search bar)
   2. Click on button “Enable API & Services”
   3. Search for Google App Engine
   4. Click enable
5. Grab GitHub repo of what you want to deploy, clone repo into the shell
   1. You might have to use “sudo git clone <url>” command to do it
6. Deploy via command line
   1. “gcloud app deploy app.yaml”
   2. The app.yaml is some kind of configuration file
   3. It will prompt you for the region to use, and various other items (Just use defaults)
   4. It won’t work b/c the build has not been completed yet
      1. It will give a website to enable the Cloud Build API
      2. Enable it via clicking a button, you also have to enable the billing
   5. Now try the deploy command again: “gcloud app deploy app.yaml”
7. Check to see that the application works
   1. Go to the deployed URL
8. Delete project
   1. Go to IAM
   2. Settings
   3. Shut project down
   4. Confirm its shut down: “gcloud projects describe <project id>”