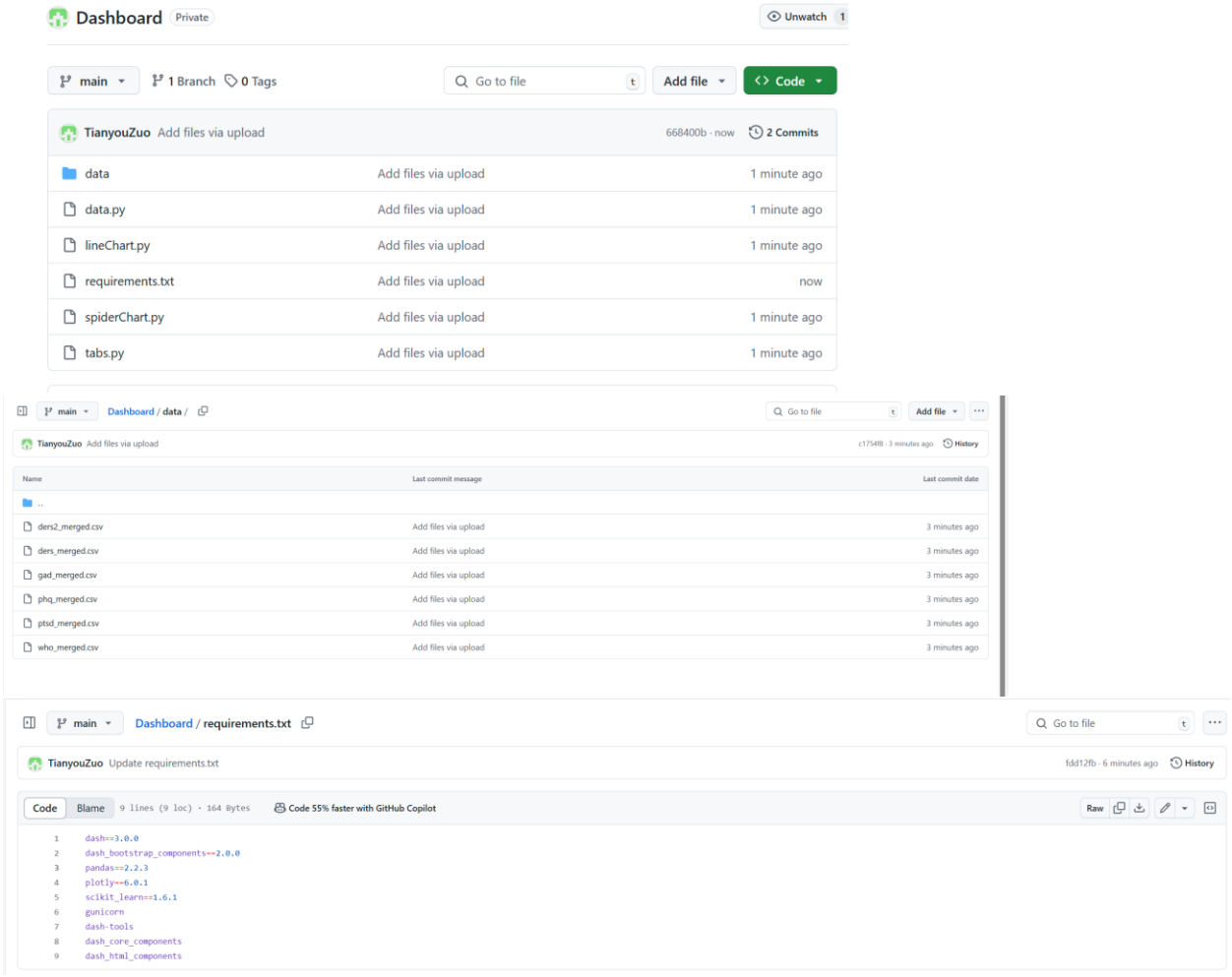
Before Public Deployment

Make sure your dashboard is fully operational, since the public deployment is just making your local deployment onto a public server.

Instruction

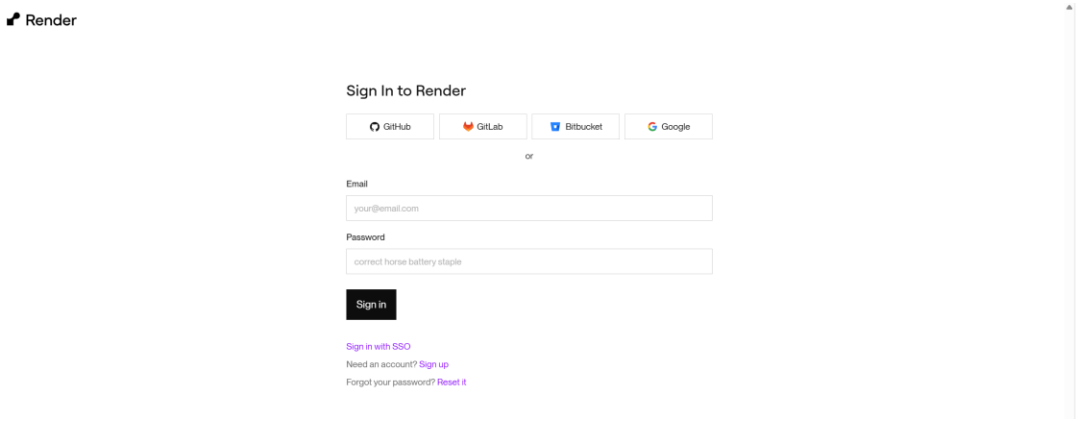
During the whole process, I will use my code as an example.

1. Create a repo(can be private) on Github and upload files

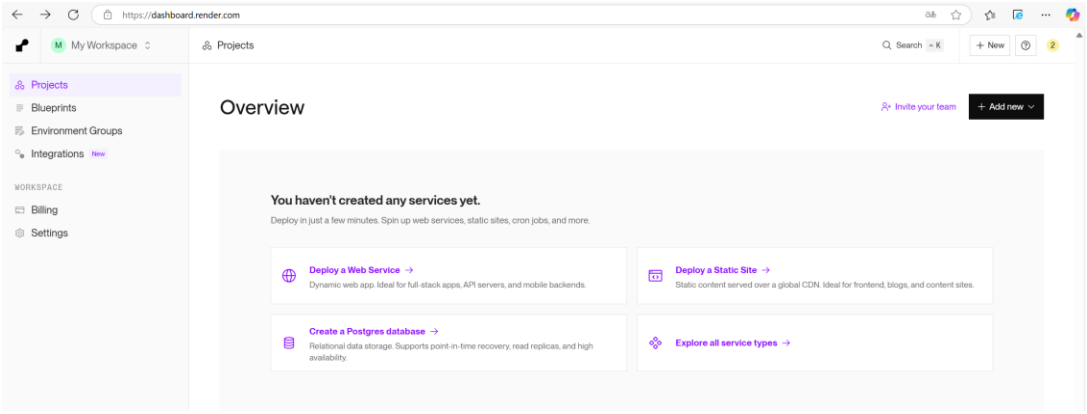


Make sure you have these files: your python files for the local dashboard, csv files for your code and a txt file with packages you import in your code. If you do not know the exact version then just type the name of the package.

2. Sign up an account in Render and create a project



Choose one you like, I prefer to use Github to sign in because we need our repo



After sign in, go to https://dashboard.render.com/. On 'Projects' page chooses 'Deploy a Web Service', follow the guide to deploy

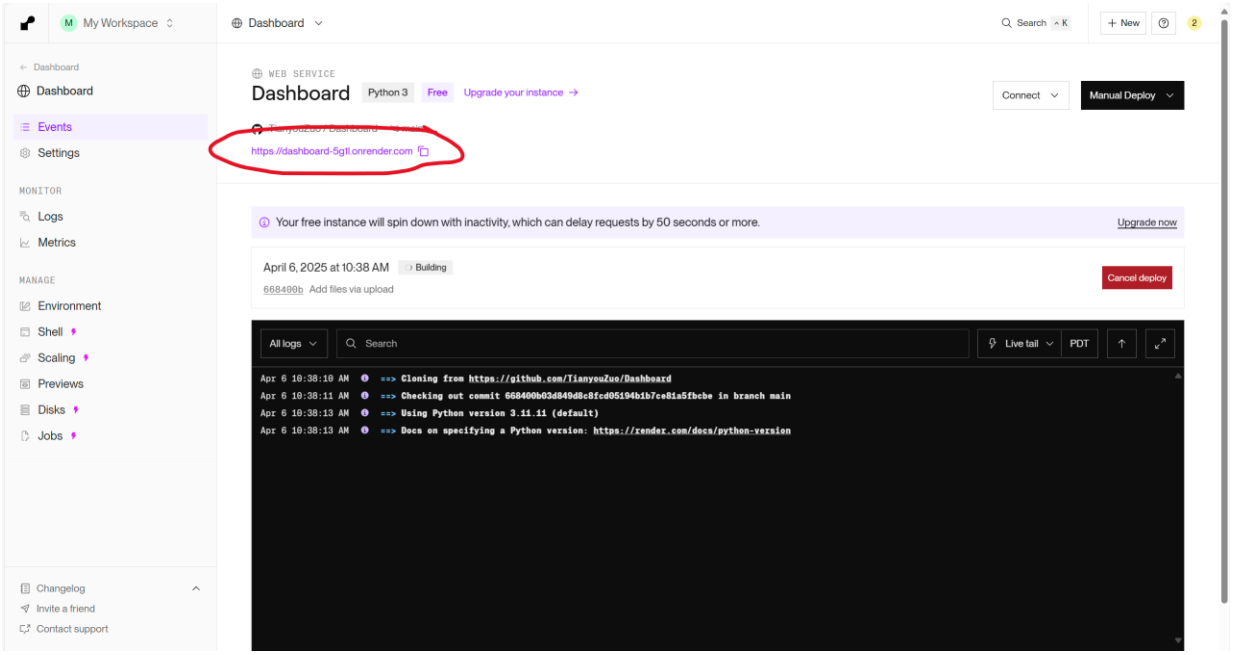
Only need to pay attention to these three options. Root Directory, Build Command and Start Command

Root Directory: If your files on Github is in a folder, then you need to enter the folder name

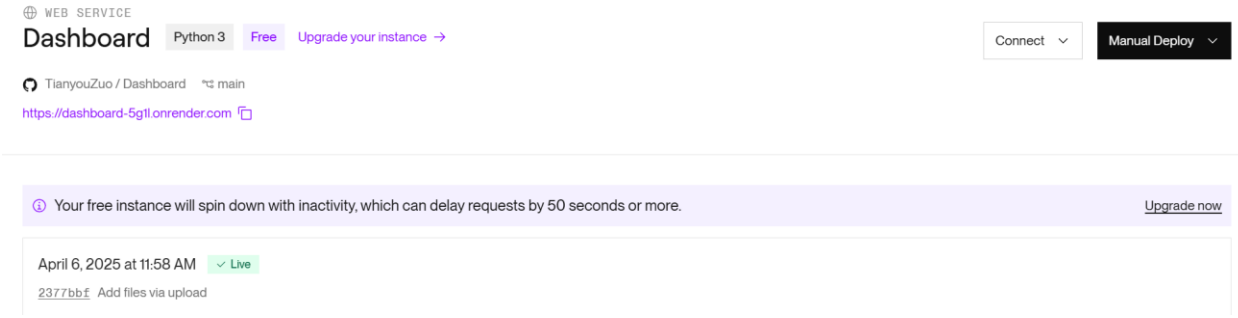
Two Command: make sure the name is same with your files.

Make sure is ‘gunicorn your_file_name:server’

After deploy, it will start building and deploying



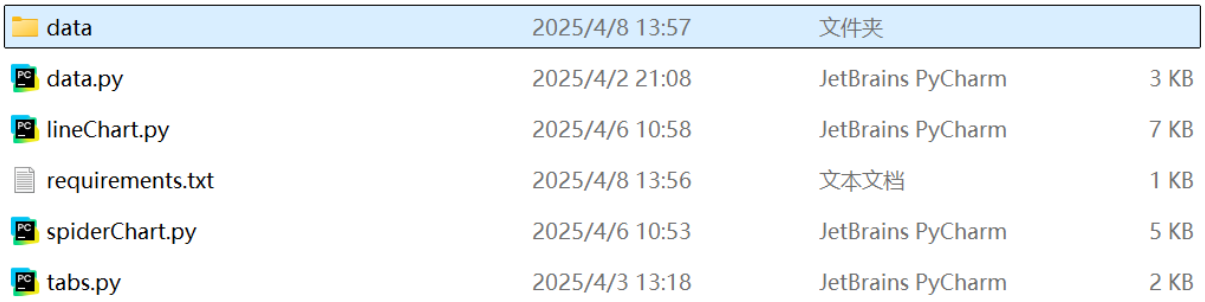
The link in red circle is your public dashboard, you can share your link and let them see the dashboard.



If deployment is successful, it will say ‘Live’. Check the dashboard by the link in red circle.

Upgrade your code(you can use it to upload for your initially deployment)

Create a folder on your own PC with all your files you want to put on Github



Open your cmd prompt and cd to your folder: cd your_folder_name

Following with codes: git init #Initialized empty Git repository

git add ./your_file_name #Stage all changes made within your project directory

git commit -m "Initial commit" # Add a message describing those changes

git remote add origin YOUR_REMOTE_URL.git # Add your remote URL here, you can find it on your Github repository

git push -u origin main # Upload the local changes in your Git repository to a remote repository(basically in main branch)

Finally, on Render, choose ‘Deploy latest commit’ under Manual Deploy