Github:

Username: chaitusai14

Token: ghp\_B8JB9NhnT0Wmr8YcKn0sYbCTlca5Q02rvWBD

Steps to set up virtual environment:

Here’s a step-by-step guide to help you complete the task:

### 1. \*\*Fork and Clone the Repository:\*\*

- Visit the repo link: [Quantium Starter Repo](https://github.com/vagabond-systems/quantium-starter-repo).

- Click the “Fork” button on the top right of the repository page to create a personal copy of the repo under your GitHub account.

- Once you have forked it, copy the repo’s URL and clone it to your local machine by running the following command in your terminal:

```bash

git clone https://github.com/<your-username>/quantium-starter-repo.git

```

Replace `<your-username>` with your GitHub username.

### 2. \*\*Open the Project in Your IDE:\*\*

- Open the project directory in your Python IDE of choice. If you don’t have a preferred IDE, you can install [PyCharm Community Edition](https://www.jetbrains.com/pycharm/download) or use Visual Studio Code with the Python extension.

### 3. \*\*Set Up a Python 3.9 Virtual Environment:\*\*

To create a Python 3.9 virtual environment:

- Make sure you have Python 3.9 installed on your machine.

- Open a terminal in the project directory and run:

```bash

python3 -m venv venv

```

This will create a new virtual environment called `venv` in the project folder.

### 4. \*\*Activate the Virtual Environment:\*\*

- On \*\*macOS/Linux\*\*:

```bash

source venv/bin/activate

```

- On \*\*Windows\*\*:

```bash

venv\Scripts\activate

```

After activation, your terminal prompt should change to indicate the virtual environment is active.

### 5. \*\*Install Dash and Pandas:\*\*

Install the required packages (`dash` and `pandas`) using the following command:

```bash

pip install dash pandas

```

Then, install the testing dependencies for Dash by running:

```bash

pip install "dash[testing]"

```

### 6. \*\*Commit and Push Your Work to GitHub:\*\*

After completing these steps:

- Add all your changes:

```bash

git add .

```

- Commit your changes:

```bash

git commit -m "Setup virtual environment and installed dependencies"

```

- Push your changes to GitHub:

```bash

git push origin main

```

This completes the task. You now have the project set up with the required dependencies, and your work is committed and pushed to GitHub! Let me know if you need further assistance with any part of this process.