

Instructions to run the app

1. Have Python 3.6 or later installed on your system.

2. First, we install the required packages by running:

```
pip install -r requirements.txt
```

3. First, we create the tables we require by running the create_tables.py file:

```
python create_tables.py
```

4. Run the database migration script to keep the database schema up to date:

```
python migrate.py
```

5. Set the FLASK_APP environment variable:

```
export FLASK_APP=app.py  
set FLASK_APP=app.py    #On windows
```

6. Run the Flask application:

```
flask run
```

Using the application

To use the application as an admin:

log in using:

Username: admin

Password: password

When logged in as the admin, you can create a new stock by clicking on the 'create stock' button.

To change the market schedule or market hours click on the 'set market schedule' or 'set market hour' buttons respectively.

To use the application as a user, you can log in using:

Username: Varun

Password: stockapp

You can also **register** as a new user by putting in your full name, username, email ID and password.

All information about the current market is available to see on the home page.

To buy or sell a certain stock, click on the 'buy' or 'sell' buttons respectively.

To view your current portfolio and its total value, click on the 'portfolio' button.

To add money or take money from your wallet, click on the 'deposit' or 'withdraw' buttons respectively.

To view transactions made by you, click on the 'transactions' button.