

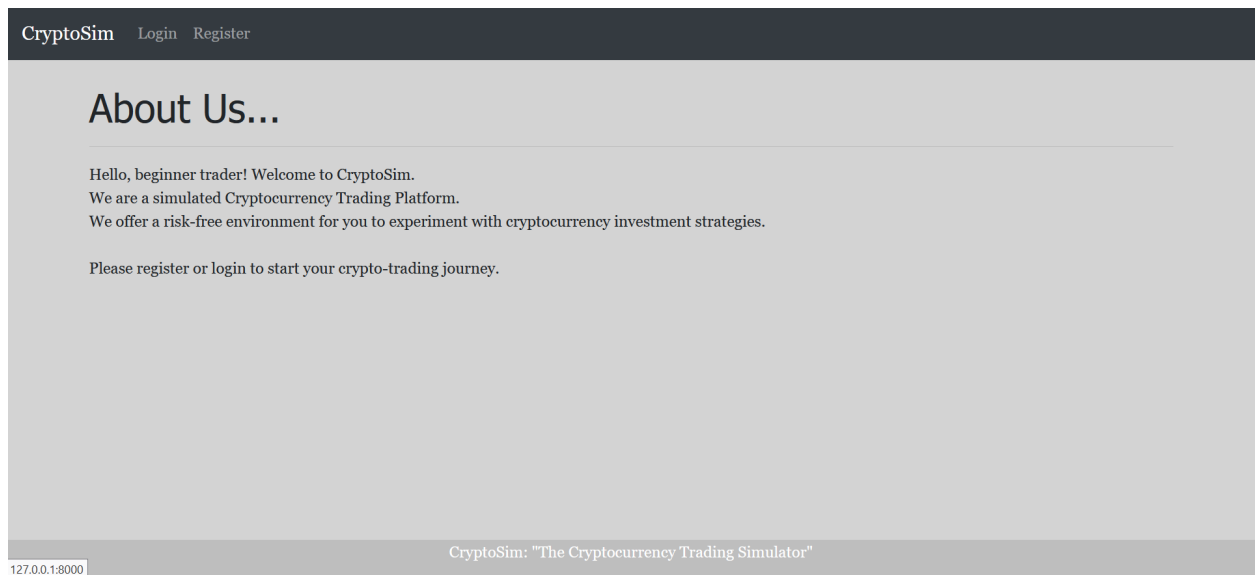
Cryptocurrency Trading Simulator

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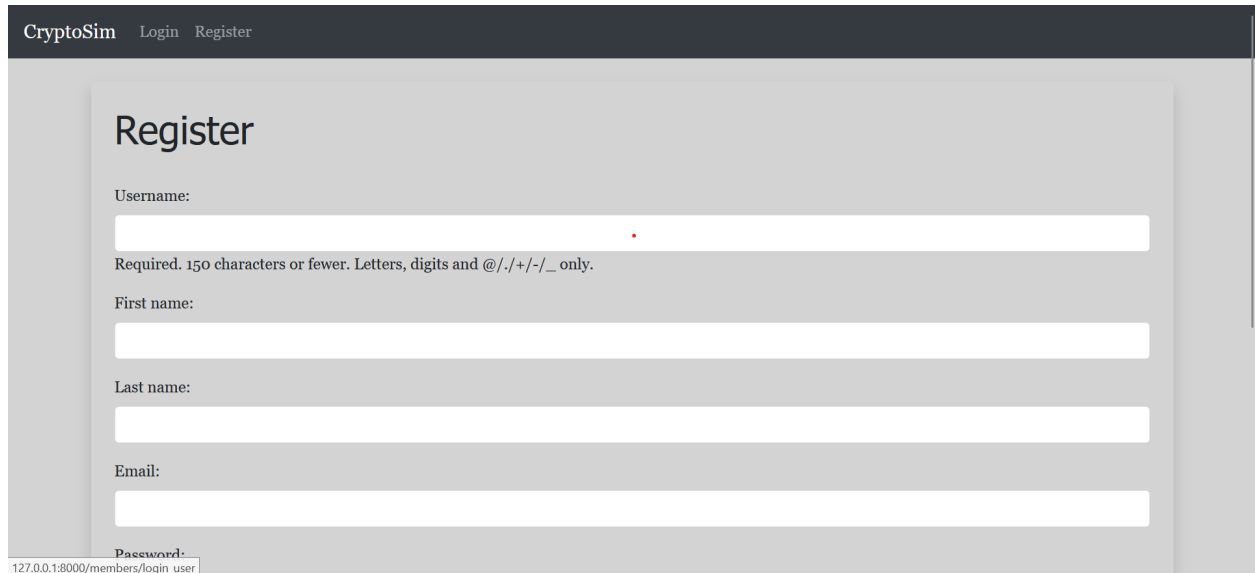
Installation:

- First, ensure that Python and Django are installed on your computer. You can download them from their official websites.
- Clone the repository and navigate to the project directory in your terminal.
Repository URL:
<https://gitlab.com/computing.dcu.ie/dortiem2/2023-ca326-mdortie-tradingbot>
- Create a virtual environment and activate it.
- Install the required dependencies using the command `pip install -r requirements.txt`.
- Run the server using the command `python manage.py runserver`.
- Visit <http://127.0.0.1:8000/> in your chosen web browser. You will be greeted by this homepage:



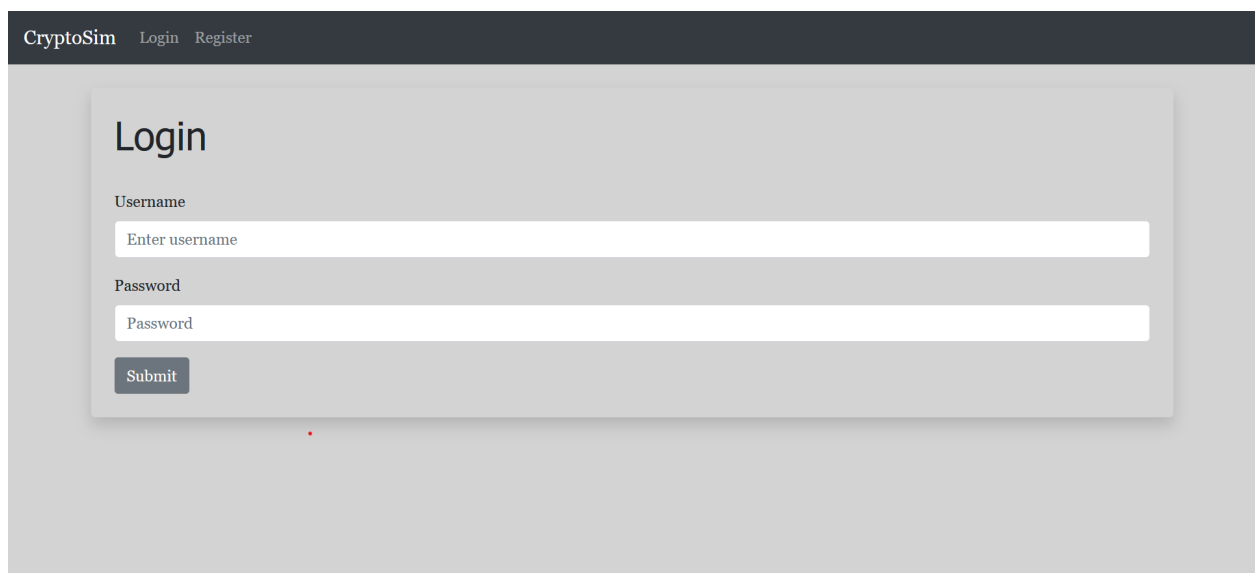
Registration and Login:

- To use the app, you need to register and create an account.
- Click the “Register” button on the navigation bar to register an account.



The screenshot shows the 'Register' page of the CryptoSim application. At the top, a dark navigation bar contains the 'CryptoSim' logo and links for 'Login' and 'Register'. The main content area has a light gray background with a white card titled 'Register'. Inside the card, there are four input fields: 'Username', 'First name', 'Last name', and 'Email'. The 'Username' field has a red asterisk and a note below it: 'Required. 150 characters or fewer. Letters, digits and @/./+/-/_ only.' Below the 'Email' field is a 'Password' field. At the bottom left of the page, a small status bar shows the URL '127.0.0.1:8000/members/login_user'.

- Fill out the given fields with your information. Click the “submit” button when you are happy with your account information.
- You will be automatically logged in, and redirected to the homepage once you have registered.
- Once you've registered, you can log in anytime with your username and password, at the “login” page.



The screenshot shows the 'Login' page of the CryptoSim application. It features the same dark navigation bar with 'CryptoSim', 'Login', and 'Register' links. The main content area has a light gray background with a white card titled 'Login'. Inside the card, there are two input fields: 'Username' with a placeholder 'Enter username' and 'Password' with a placeholder 'Password'. Below these fields is a dark 'Submit' button. A small red asterisk is visible at the bottom center of the page.

- After logging in, you'll be taken to the home page, which displays some simple trading statistics for your account.

CryptoSimTradePortfolioFollowingLogout

Your Balance: \$ 17057

Dashboard

Hello **Eamon**, Welcome back to CryptoSim.

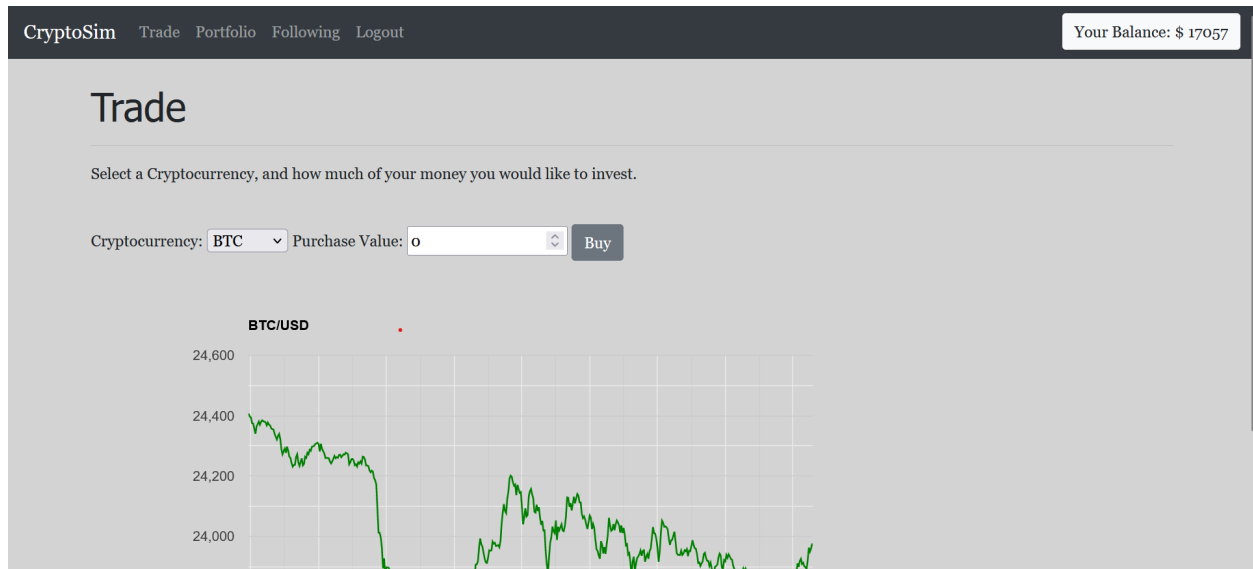
Eamon's Stats
You have 7 open trades.
All-time PNL (USD): -119.73
All-time ROI: -0.76%

CryptoSim: "The Cryptocurrency Trading Simulator"

- You may log out by clicking the “Logout” button in the navigation bar. This will log you out and redirect you to the homepage.

Trading:

- To start trading, navigate to the "Trade" tab.
- Here, you'll see a list of available cryptocurrencies and a chart displaying current prices.



- To buy a cryptocurrency, enter the amount you want to trade and click "Buy".
- Your portfolio and balance will be updated accordingly, and the transaction will be recorded in your portfolio.

Portfolio:

- The "Portfolio" tab displays your current and past holdings and their values.
- You can see your profit or loss, as well as ROI for each position

CryptoSim Trade Portfolio Following Logout

Your Balance: \$ 17057

Portfolio

Open Positions

Analyse or sell your open positions.

Coin: ETH

Coin Amount: 4.798119

Purchased for: \$8000

Current Value: \$7963.87

ROI: -0.45% ↓

Purchase Date: Feb. 21, 2023, 8:38 p.m.

Sell

Coin: ETH

Coin Amount: 4.799213

Purchased for: \$8000

Current Value: \$7965.69

ROI: -0.43% ↓

Purchase Date: Feb. 21, 2023, 8:38 p.m.

Sell

- To sell one of your holdings, simply click the “Sell” button under your desired position.
- The portfolio page allows you to view your entire transaction history, which includes a record of your closed trades.

Closed Positions

Analyse your closed positions.

Coin: ETH

Coin Amount: 4.798148

Purchased for: \$8000

Sold for: \$7942.57

PNL: \$-57.43

ROI: -0.72% ↓

Purchase Date: Feb. 21, 2023, 8:38 p.m.

Sell Date: Feb. 23, 2023, 3:31 p.m.

Coin: LTC

Coin Amount: 5.340739

Purchased for: \$500

Sold for: \$494.07

PNL: \$-5.93

ROI: -1.19% ↓

Purchase Date: Feb. 21, 2023, 1:02 p.m.

Sell Date: Feb. 21, 2023, 9:34 p.m.

Coin: ETH

Coin: ETH