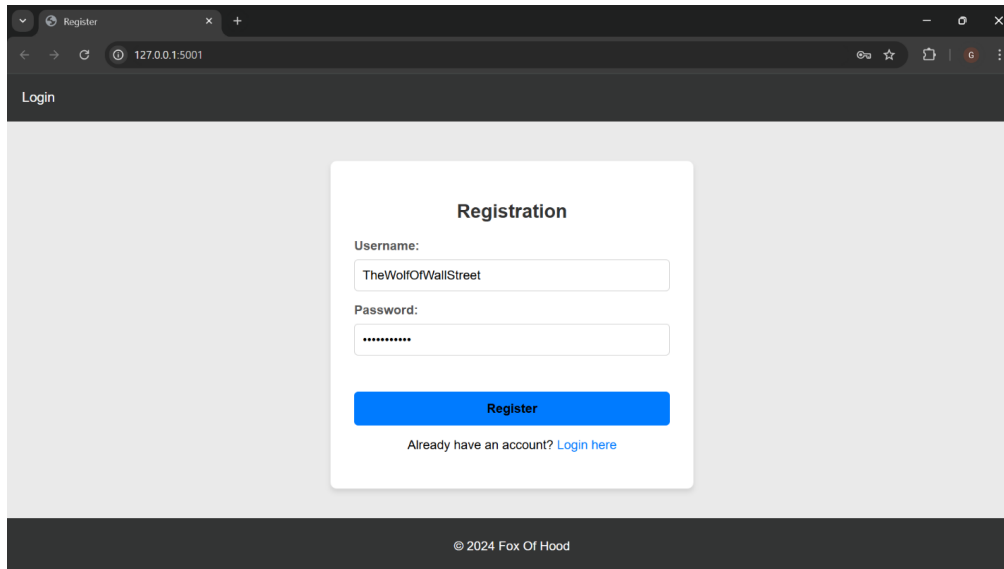


# Fox of Hood: User Guide

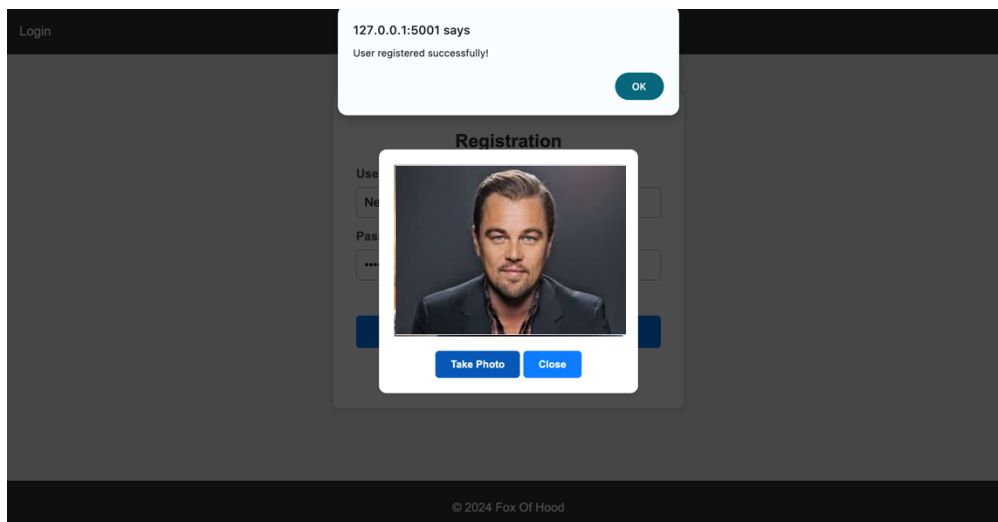
## 1. Register for an account

Enter a unique username and a password with at least 8 characters, one special character, and one number. Take a user photo (needed for facial recognition login).



A screenshot of a web browser window showing a registration form. The browser's address bar displays "127.0.0.1:5001". The page has a dark header with the word "Login" on the left. The main content area is light gray and contains a white registration form titled "Registration". The form has two input fields: "Username:" with the text "TheWolfOfWallStreet" and "Password:" with masked characters "\*\*\*\*\*". Below these fields is a blue "Register" button. Under the button, it says "Already have an account? [Login here](#)". At the bottom of the page, there is a dark footer with the text "© 2024 Fox Of Hood".

Figure 1 Entering a username and password



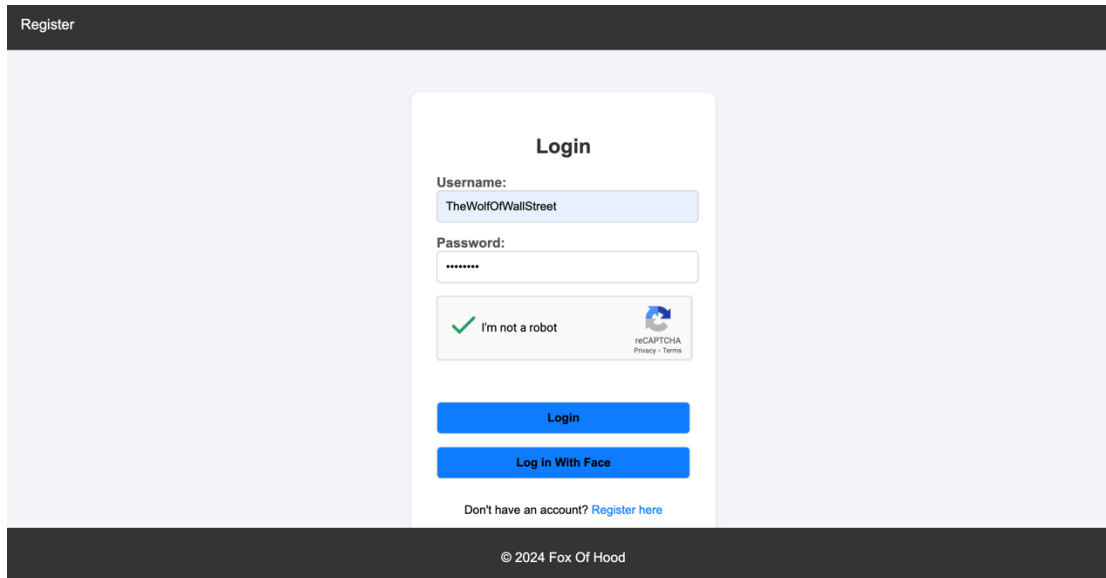
A screenshot of the registration process. A light blue notification box at the top says "127.0.0.1:5001 says User registered successfully!" with an "OK" button. Below this, the registration form is visible, but a modal window is open over it. The modal window is titled "Registration" and contains a photo of a man (Leonardo DiCaprio). At the bottom of the modal are two buttons: "Take Photo" and "Close". The background is dark gray, and the footer at the bottom says "© 2024 Fox Of Hood".

Figure 2 Taking a facial recognition photo

## 2. Logging into your account

### Option 1:

Enter your username and password and complete the CAPTCHA. Select “Login”.

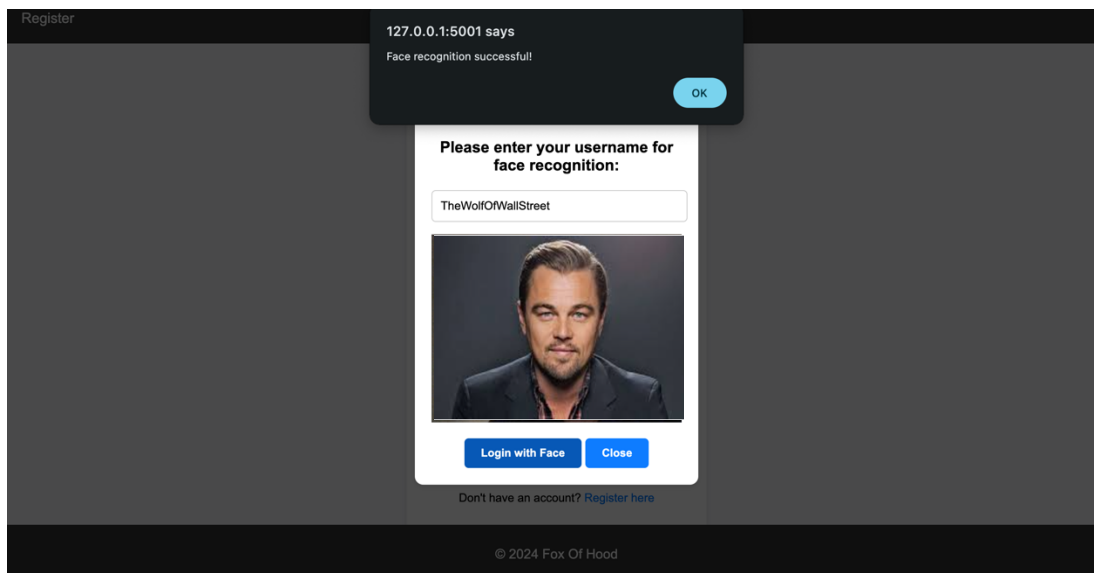


The screenshot shows a web application interface with a dark header containing a 'Register' link. The main content area is light gray and contains a white 'Login' form. The form has two input fields: 'Username:' with the value 'TheWolfOfWallStreet' and 'Password:' with masked characters. Below these is a reCAPTCHA widget with a green checkmark and the text 'I'm not a robot'. At the bottom of the form are two blue buttons: 'Login' and 'Log in With Face'. A link 'Don't have an account? Register here' is at the bottom of the form. The footer is dark gray with the text '© 2024 Fox Of Hood'.

Figure 3 Login with username, password and CAPTCHA

### Option 2:

Select “Log in With Face” and “OK” after success.



The screenshot shows the same web application interface as Figure 3, but with a dark overlay. A dark gray notification box at the top center displays the text '127.0.0.1:5001 says Face recognition successful!' and an 'OK' button. Below this, a white modal box is centered. The modal has the title 'Please enter your username for face recognition:' and a text input field containing 'TheWolfOfWallStreet'. Below the input field is a photo of Leonardo DiCaprio. At the bottom of the modal are two blue buttons: 'Login with Face' and 'Close'. The footer is dark gray with the text '© 2024 Fox Of Hood'.

Figure 4 Login with Face

### 3. Navigating your account

There are 3 main pages for your account usage.

#### 1. Portfolio Page

Here you can view your current balance, stocks owned (including their purchase price, current price, the profit percentage and amount of profit). These details are also viewable in the scatterplot below. After buying a stock, it will be added to your stock portfolio!

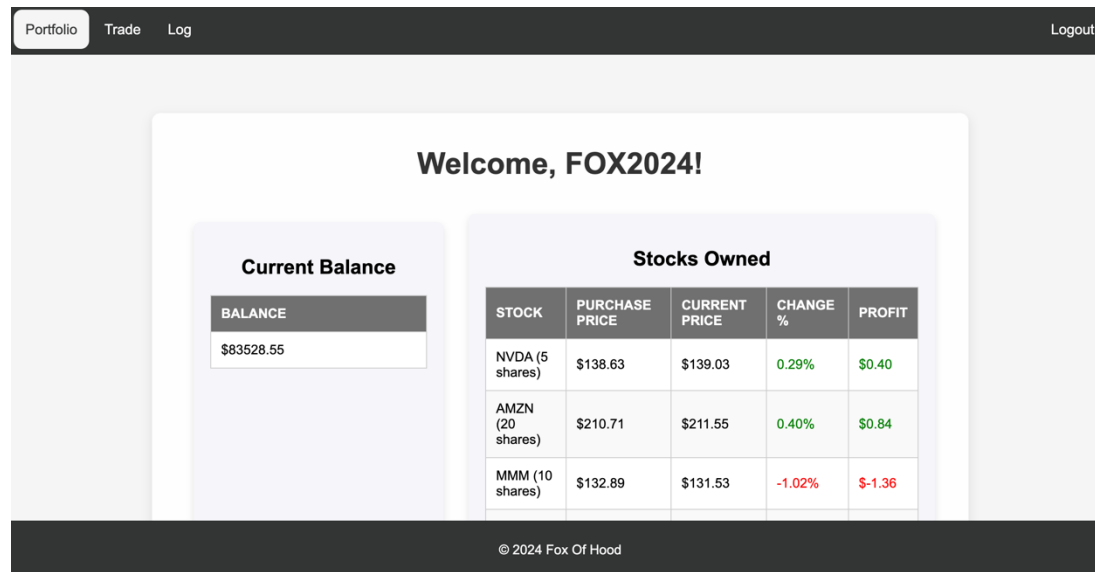


Figure 5 Portfolio Page

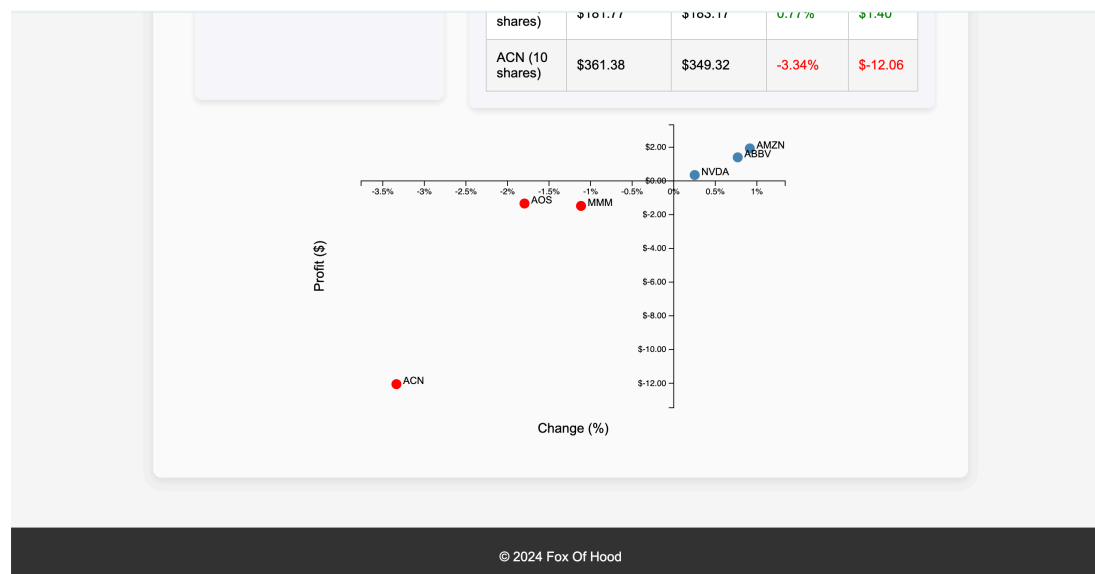


Figure 6 Graphed Profit and Loss based on Stocks Owned

## 2. Trade Page

Here you can search, buy and sell stocks, as well as schedule a buy or sell. Your searched stock will display a graph of its price over the last 30 days. There is also a table of top 5 stocks to choose from for trading purposes, as well as a bar graph to compare their prices.

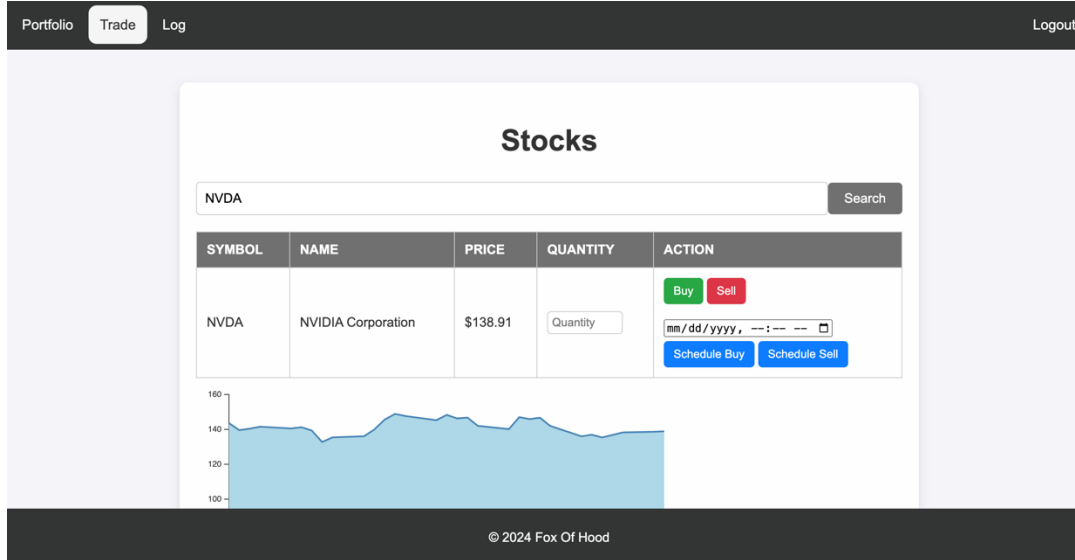


Figure 7 Trade Page

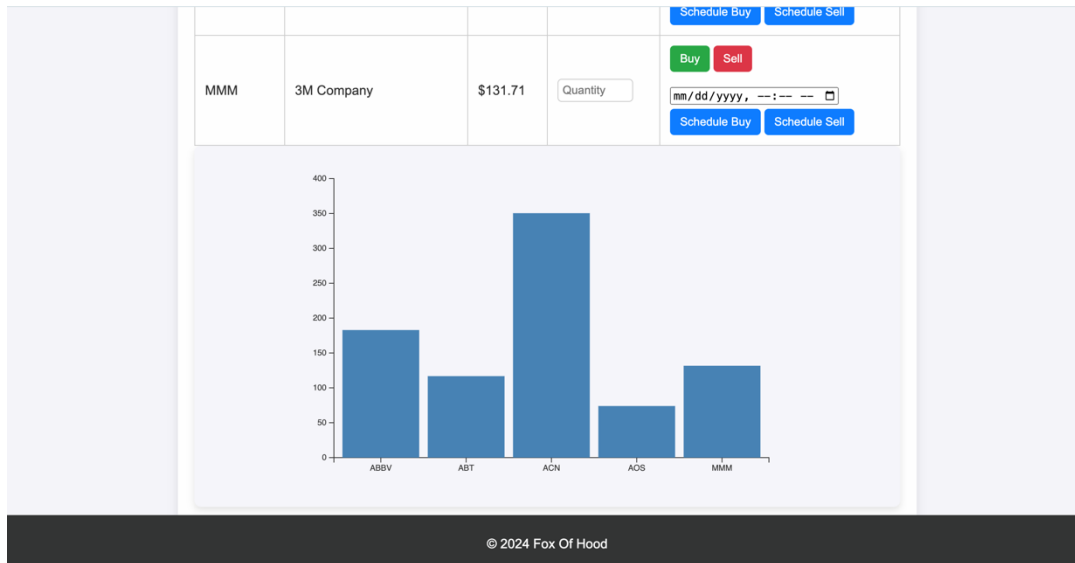


Figure 8 Bottom of Trade Page Displaying Top Stocks

### 3. Activity Log Page

This page displays when you bought or sold a stock, and log in and log out times. For user reference, your updated balance after every activity is shown.

Portfolio	Trade	Log	Logout
Activity Log			
ACTION	STOCK	DATE	BALANCE
Logged on	N/A	Tue, 03 Dec 2024 01:50:56 GMT	100000.00
Bought	NVDA	Tue, 03 Dec 2024 01:51:02 GMT	99306.85
Bought	AMZN	Tue, 03 Dec 2024 01:51:10 GMT	95092.65
Bought	MMM	Tue, 03 Dec 2024 01:51:43 GMT	93763.75
Bought	AOS	Tue, 03 Dec 2024 01:51:49 GMT	90777.75
Bought	ABBV	Tue, 03 Dec 2024 01:52:00 GMT	87142.35
Bought	ACN	Tue, 03 Dec 2024 01:52:04 GMT	83528.55
© 2024 Fox Of Hood			

Figure 9 Activity Log showing the action, stock (if applicable), date and time, and remaining balance after activities

## 4. Trading

### 1. Real-time transactions

After either searching a specific stock or choosing one from the top stocks list on the Trade page, select a quantity of stock to buy or sell, then select the green “Buy” button or red “Sell” for an immediate transaction. You will be notified that the transaction was successful. The changes to your stock portfolio will be immediately visible on your Portfolio and Log pages.

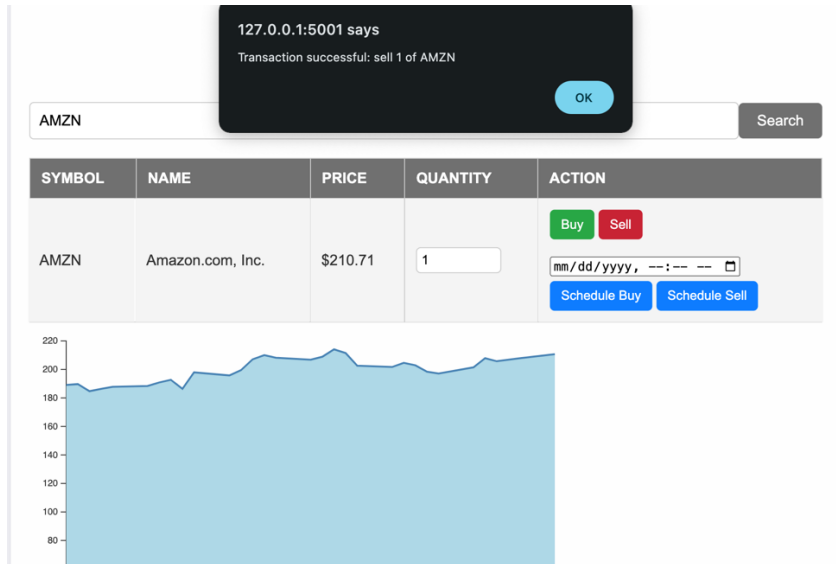


Figure 10 Buying 1 share of AMZN stock

### 2. Scheduled transactions

Instead of immediately buying or selling stocks, you could schedule a buy or sell. After choosing a stock and specifying a quantity, either manually fill in the date and time details or click the calendar icon to select these details as shown below:

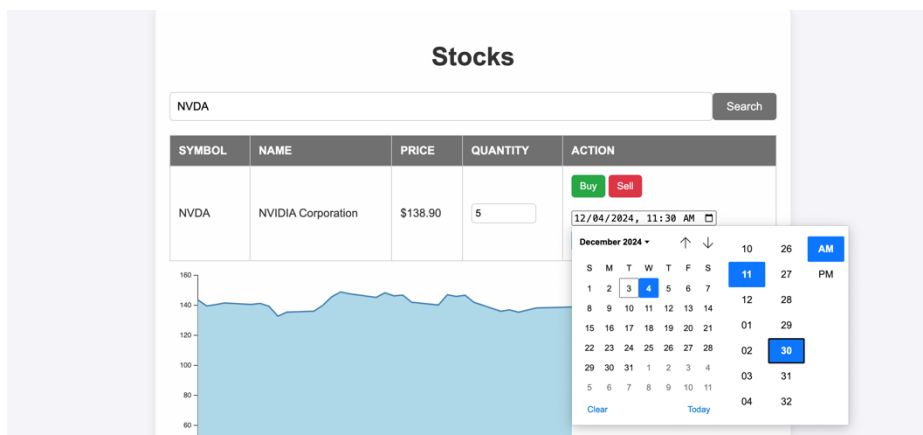


Figure 11 Scheduling buying 5 NVDA shares on 12/04/2024 at 11:30 AM

Next, click out of the calendar and select “Scheduled Buy” or “Scheduled Sell” respectively.

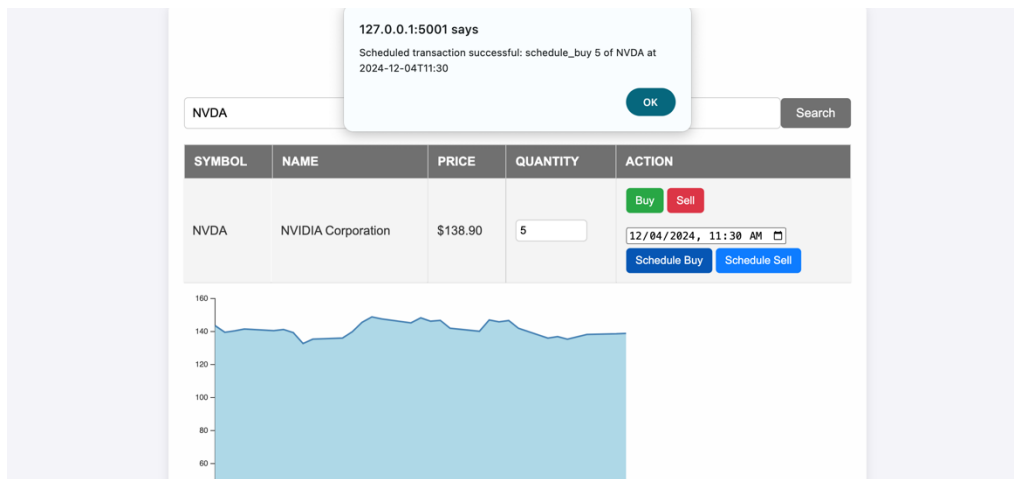


Figure 12 Successfully scheduling a stock purchase

## 5. Logging out

Simply click on the “Logout” button on any of the 3 pages and you will be redirected to this page.

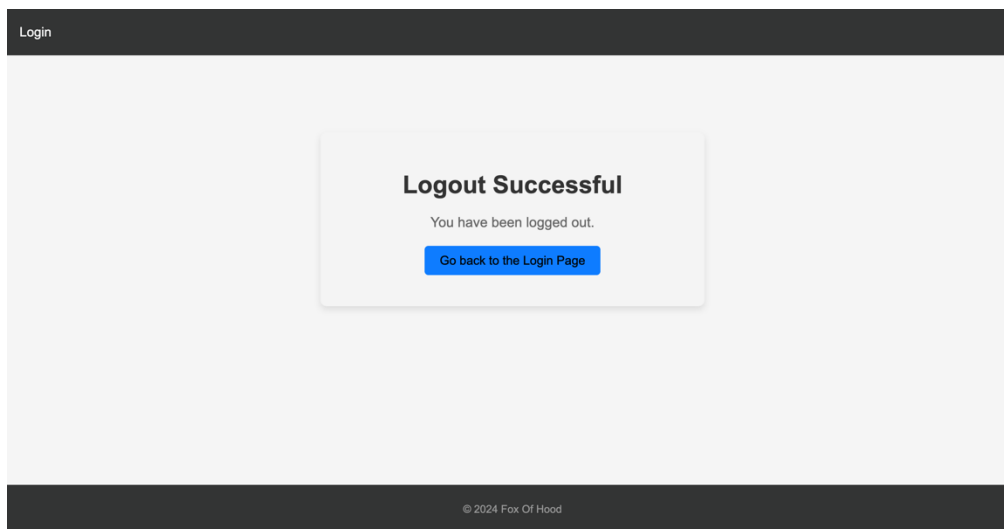


Figure 13 Logout page