
Diamond Hands Investment Fantasy League

User Guide and Documentation

Software Engineering

14:332:452

Group 3:

Aarushi Pandey

Aarushi Satish

Apoorva Goel

Christine Mathews

David Lau

Jacques Scheire

Jawad Jamal

Krishna Prajapati

Riya Tayal

Sahitya Gande

Yati Patel

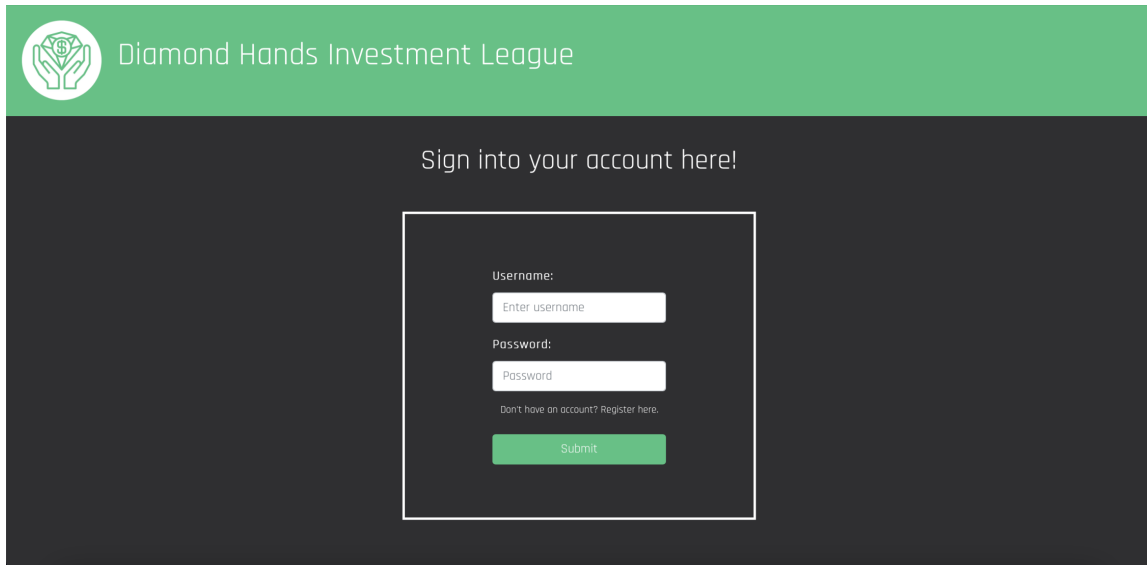
Yatri Patel

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Logging in

When navigating Diamond Hands Investment the first screen to appear is the login screen. Logging in will allow the system to identify the user as well gather their information.



The login screen features a green header with the Diamond Hands Investment League logo and name. Below the header, a dark gray background contains the text "Sign into your account here!". A white-bordered box in the center contains the login form with fields for Username and Password, a "Submit" button, and a link to "Register here" for users without an account.

Diamond Hands Investment League

Sign into your account here!

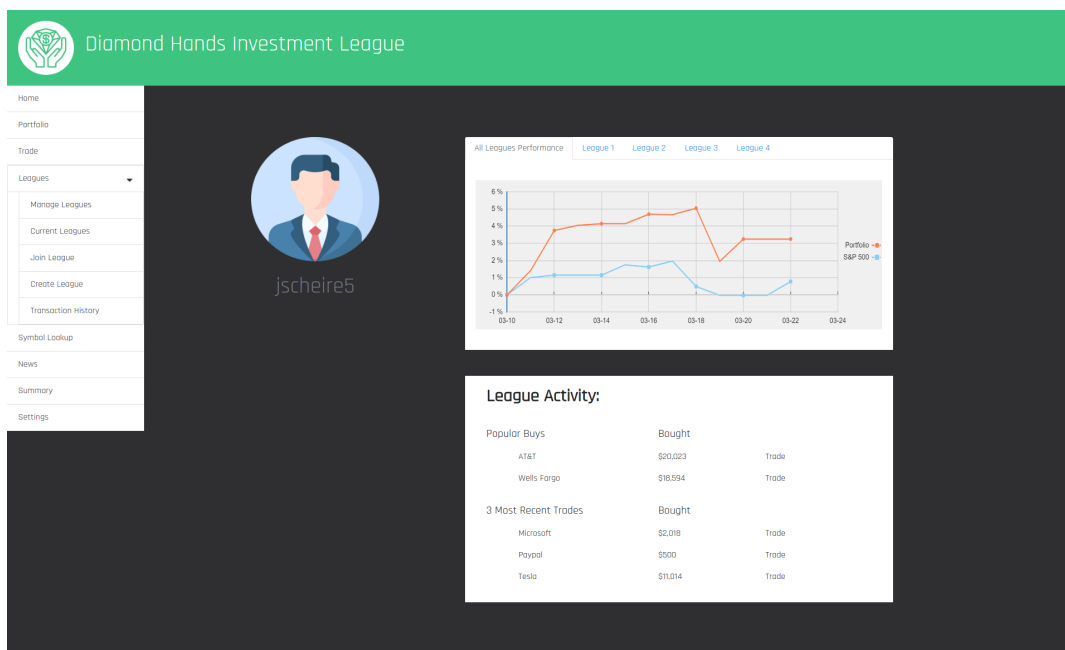
Username:

Password:

[Don't have an account? Register here.](#)

Home Page

After logging in, the user will be brought to the Home Page. The home page displays league activity of all the leagues the user is involved in currently. This page also shows the user their portfolio graph for each particular league. Each of these graphs are shown in comparison to the S&P 500 index.



Create League

To access the create league page, the user can click on the Create League under the Leagues tab on the navigation bar. Whoever creates the league initially is named as the league manager. The league manager will be able to choose different aspects of the league such as the league name, the starting balance, trade limit, if it is private or public, the number of AI bots and maximum number of players, and the end date of the league. Then the league manager will click the “create” button at the end of the page.


The screenshot shows the 'Create your fantasy league' form within the 'Diamond Hands Investment League' application. The form is located on a dark grey background, and the title 'Create your fantasy league' is centered at the top of the form area. On the left side, there is a white navigation sidebar with a logo at the top and several menu items: Home, Portfolio, Trade, Leagues (which is expanded to show 'Current Leagues', 'Join League', 'Create League', and 'Transaction History'), Symbol Lookup, News, and Settings. The form itself contains several input fields and a 'Create' button at the bottom. The fields are: 'League Name' (text input), 'Starting Balance' (text input with a '\$' icon), 'Commission Percentage(%)' (text input with a '%' icon), 'Trade Limit' (text input), 'Visibility' (dropdown menu with 'Public' selected), '# of AI bots:' (dropdown menu with 'Zero' selected), 'Max # of Players' (text input), and 'End Date' (date picker showing 'mm/dd/yyyy'). A green 'Create' button is positioned at the bottom center of the form.

| Field | Input Type | Placeholder/Default |
|--------------------------|-------------|---------------------------|
| League Name | Text Input | Enter League Name... |
| Starting Balance | Text Input | \$ Enter starting balance |
| Commission Percentage(%) | Text Input | Enter percentage % |
| Trade Limit | Text Input | Enter trade limit |
| Visibility | Dropdown | Public |
| # of AI bots: | Dropdown | Zero |
| Max # of Players | Text Input | Enter max players |
| End Date | Date Picker | mm/dd/yyyy |

Create

Join League

To access the Join League page, the user can click on the dropdown for the League tab on the navigation bar and then click on “Join League.” This page allows users to join various public leagues. If users wanted to join a particular private league, they would need to enter a code that the league manager receives from the system. After they click on “Join League” they will be able to see this league name on their portfolio and current leagues pages.


Diamond Hands Investment League

Home
Portfolio
Trade
Leagues
Manage Leagues
Current Leagues
Join League
Create League
Transaction History
Symbol Lookup
News
Summary
Settings


Join a League

Get New Filters Reset Filters

| League Name | Starting Balance | Trade Limit | Start Date | End Date | Members | Type | Join |
|------------------------------|------------------|-------------|------------|-----------|---------|---------|-------------|
| Very Cool League ✓ | 500 | 12 | 3/27/2021 | 6/17/2021 | 2/12 | Public | Joined |
| The Best League ✓ | 500 | 12 | 3/27/2021 | 4/23/2021 | 2/12 | Public | Joined |
| The Coolest League Ever ✓ | 500 | 12 | 3/27/2021 | 5/27/2021 | 2/12 | Public | Joined |
| The Greatest League Ever ✓ | 500 | 12 | 3/27/2021 | 5/14/2021 | 2/8 | Public | Joined |
| SWE Spring 2021 League ✓ | 1500 | 8 | 4/23/2021 | 5/5/2021 | 4/15 | Private | Joined |
| Rutgers SOE Trading League ✓ | 2500 | 20 | 4/23/2021 | 9/30/2021 | 2/100 | Public | Joined |
| The Top Secret League | 750 | 6 | 4/23/2021 | 8/25/2021 | 1/5 | Private | Join League |
| The High Rollers League | 250000 | 25 | 4/23/2021 | 8/25/2021 | 1/5 | Public | Join League |
| The Robot League | 1800 | 20 | 4/23/2021 | 9/9/2021 | 4/12 | Private | Join League |

Current League

To access the create league page, the user can click on the Current League under the Leagues tab on the navigation bar. Here the user's current leagues will be displayed. In order for the user to access information about the particular league they must click on the league title.


Diamond Hands Investment League

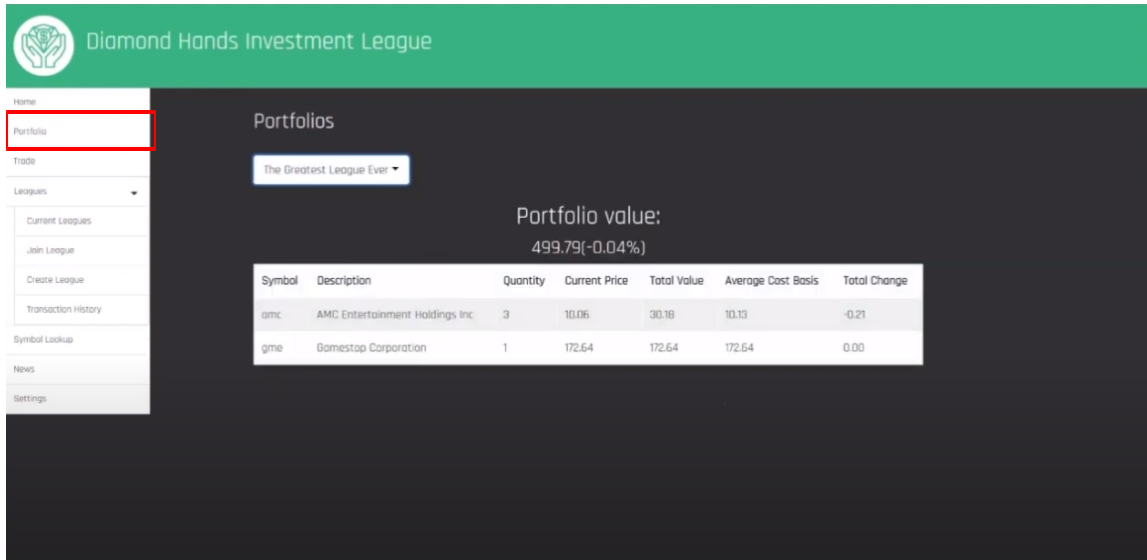
Home
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Current Leagues

| | |
|----------------------------|--------------------|
| Very Cool League | \$500.00(-0.00%) |
| The Best League | \$500.00(-0.00%) |
| The Coolest League Ever | \$441.96(-11.61%) |
| The Greatest League Ever | \$500.00(-0.00%) |
| SWE Spring 2021 League | \$1660.79(+10.72%) |
| Rutgers SOE Trading League | \$2500.00(-0.00%) |

Portfolio

On the portfolio page, the user will be able to view important information about their portfolio. Users can locate the portfolio page directly from the navigation bar on the left side of the page.




The screenshot shows the 'Diamond Hands Investment League' interface. On the left is a navigation menu with options: Home, Portfolio (highlighted with a red box), Trade, Leagues (dropdown), Current Leagues, Join League, Create League, Transaction History, Symbol Lookup, News, and Settings. The main area is titled 'Portfolios' and features a dropdown menu set to 'The Greatest League Ever'. Below this, the 'Portfolio value:' is shown as 499.79 (-0.04%). A table lists the portfolio's holdings:

| Symbol | Description | Quantity | Current Price | Total Value | Average Cost Basis | Total Change |
|--------|---------------------------------|----------|---------------|-------------|--------------------|--------------|
| amc | AMC Entertainment Holdings Inc. | 3 | 10.06 | 30.18 | 10.13 | -0.21 |
| gme | Gamestop Corporation | 1 | 172.64 | 172.64 | 172.64 | 0.00 |

Order (Buy/Sell) Page

To access the “Sell/Buy” page use the navigation bar on the left hand side and click on “Trade”. This will bring the user to the “Sell/ Buy page” which allows investors to trade equities during market hours. The League icon will allow investors to specify for which league the trade is being made. There are two types of transactions that can be made, buy or sell. Quantity allows users to specify the amount of shares they want to purchase from each company. Price allows investors to buy stocks at market price. Investors also have the option to perform limit and stop stock orders. Stocks can be bought and sold in different durations. Our fantasy league allows its investors to choose the duration of their trade, good till cancelled or a day order. Account Details are added in this page to show users their account value, buying power and cash of the particular league they are placing the order for. After entering all the information, the user will click “Submit” for the order to be placed.

Diamond Hands Investment League

Home

Portfolio

Trade

Leagues

▼

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Order

Account Details

League:

The Greatest League Ever

Ticker:

AAPL

Type:

Buy

Quantity:

5

Price:

Market

Duration:

Good Till Canceled

Submit

Value (USD):


500.00

Cash:

500.00

Symbol Lookup

To access the Symbol lookup page the user can use the navigation bar. This page provides investors with financial information for prospective trades. Once a stock symbol is inputted the page is then redirected to the Display Stock page.

Diamond Hands Investment League

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News

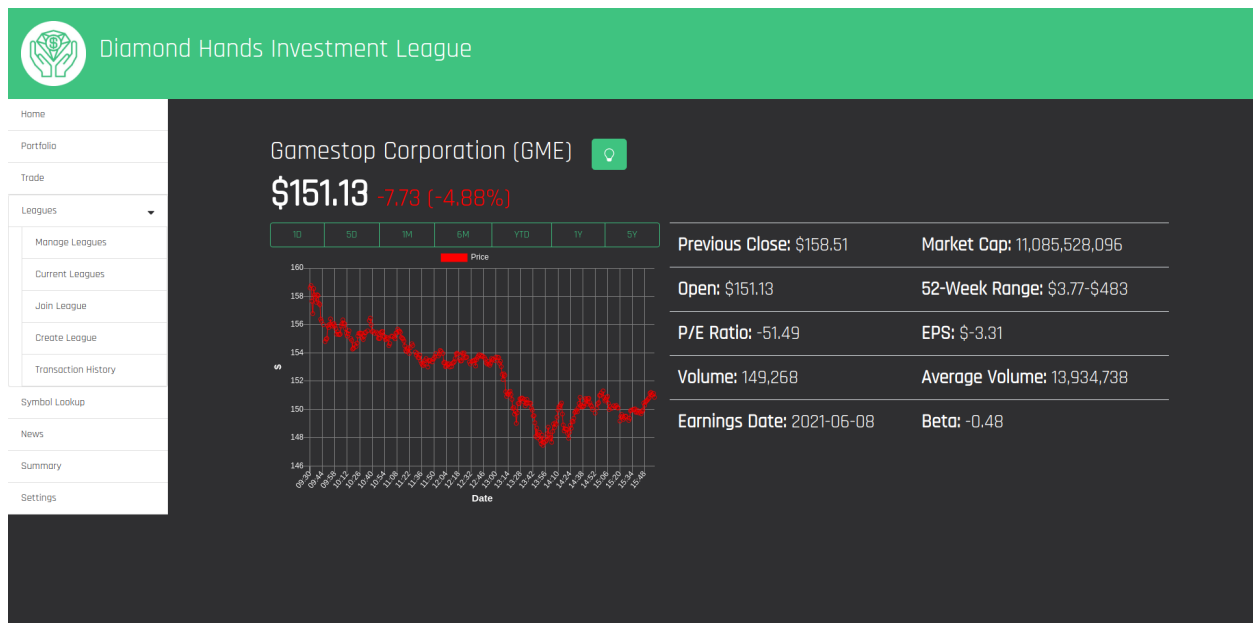
Settings

SYMBOL LOOKUP

SEARCH

Display Stock

This page is a redirection of the symbol lookup page. It will give users all the necessary fundamental and technical analysis for the valuation of that particular stock.



Centralized League Page

This page is a redirection of the Current League Page. When a user wants more information about their league they can click on their specific league and this page will show up. This page shows the progress of each player in that particular league on the graph. This page also has a leaderboard page where the user can track their rank and the rank of their league mates. On the bottom of the page we can see the transaction history. Where the user can see all transactions they have made.



Diamond Hands Investment League

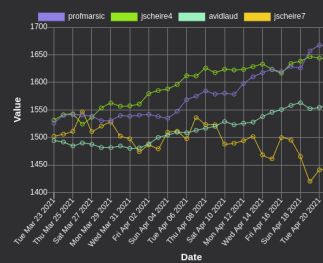
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SWE Spring 2021 League

Leaderboard

| Rank # | Investor | Account Value | Growth |
|--------|------------|--------------------|---------|
| 1 | profmarsic | 1666.24 | 11.083% |
| 2 | jscheire4 | 1660.79 | 10.719% |
| 3 | avidiaud | 1576.1399999999999 | 5.076% |
| 4 | jscheire7 | 1482 | -1.200% |

League Graph



Transaction History

| Stock Symbol | Buy/Sell | Quantity | Date |
|--------------|----------|----------|---|
| GE | Sell | 2 | Thu Apr 22 2021 17:26:06 GMT-0400 (Eastern Daylight Time) |
| SPY | Buy | 2 | Thu Apr 22 2021 17:16:24 GMT-0400 (Eastern Daylight Time) |
| GE | Buy | 20 | Thu Apr 22 2021 17:15:17 GMT-0400 (Eastern Daylight Time) |

Summary Page

To access the Summary Page, the user can click on the “Summary” tab on the navigation bar that is on the left. This page shows a summary of the player’s week and how they compared to other players in the league and the S&P 500.



Diamond Hands Investment League

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Summary of Week 4/19:

You rank in total return

#2

Your return for this week

\$+44.24(+2.74%)

ABOVE AVERAGE

Your return compared to the league

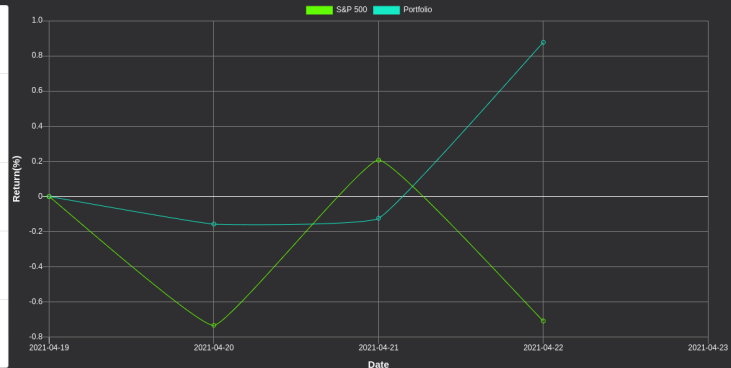
\$+25.55(+1.54%)

The league's average return

\$+18.69(+1.20%)

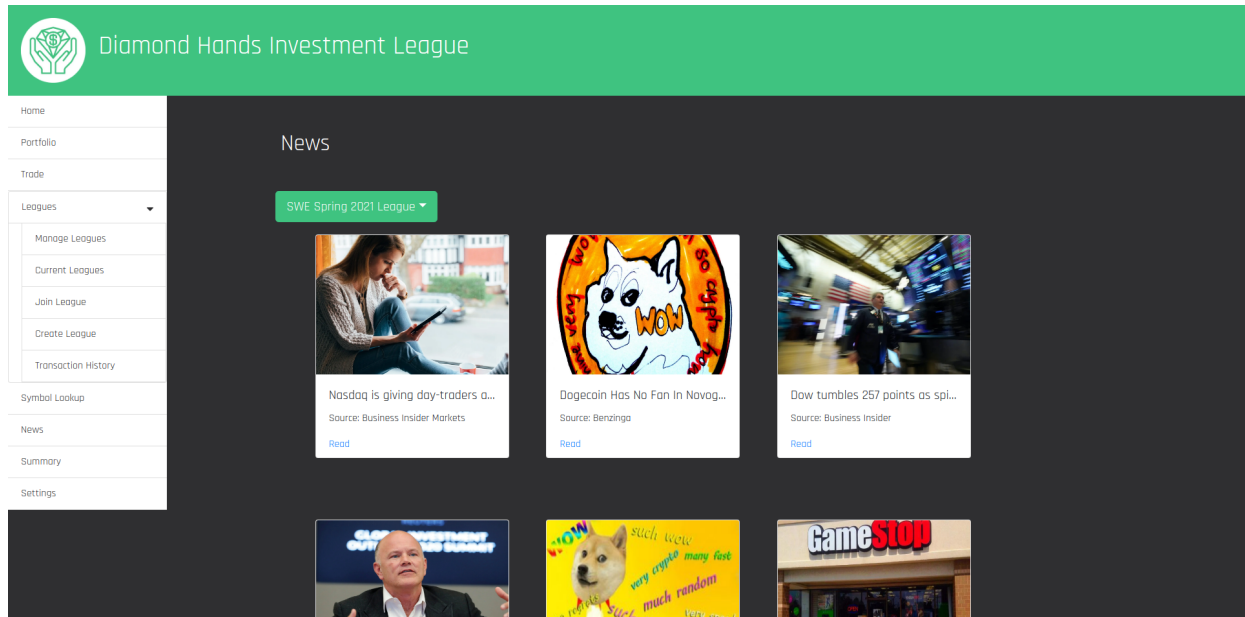
Your return compared to the S&P 500

3.95%



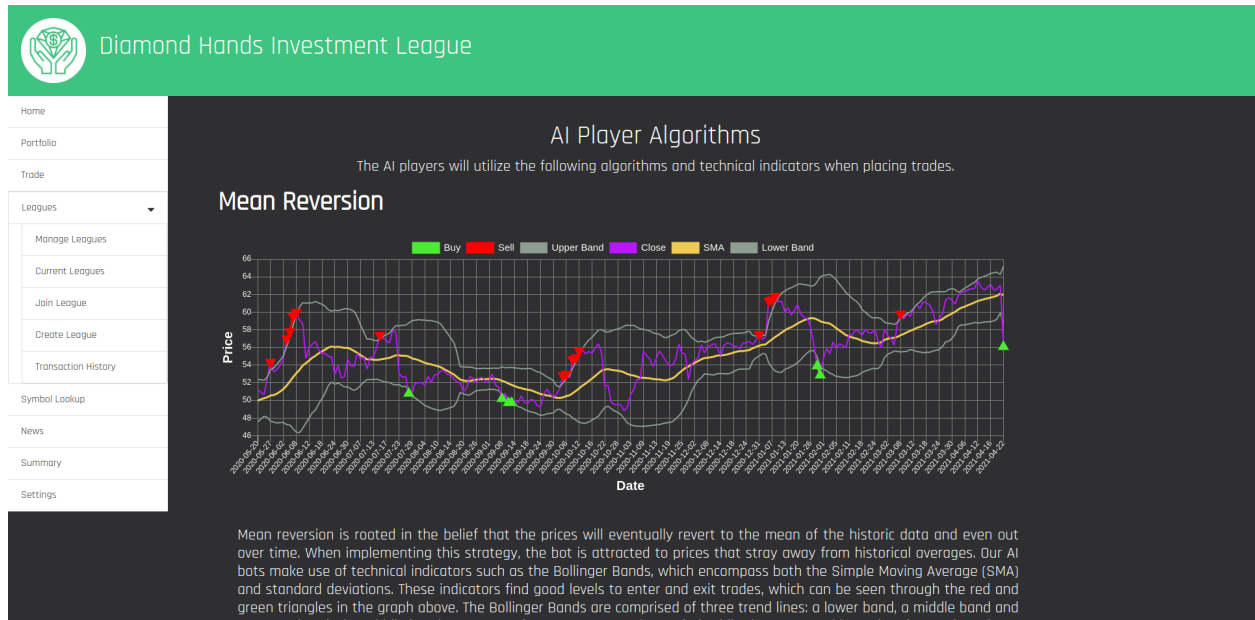
News Page

This page can be accessed from the navbar by clicking 'News'. The news page displays news articles relevant to the most recent purchases of the user. There is a dropdown where a user can select the news they want to read based on each league portfolio.




AI Page

This page is a redirection from the display stock page and can be accessed when clicking on the green light bulb button. This page shows the algorithms AI players use to buy and sell stocks. It will also show a graph of all transactions made from each algorithmic trading bot.



League Manager Page

This page can be accessed by clicking on the “Manage Leagues” tab on the navigation bar that is on the left. If the player is the league manager, they will be able to kick or give money to other players in the league.

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Manage Leagues

SWE Spring 2021 League ▾

| Player Name | Action |
|-------------|---|
| jscheine7 | Kick Give Money |
| jscheine4 | Kick Give Money |
| avidoud | Kick Give Money |
| profmaric | Kick Give Money |