ASE Assignment

Trader Wizard-JP Morgan Project

Akanksha Gupta (ag3749)
Ishan Guru (ig2333)
Stanislav Peceny (skp2140)
Brennan Wallace (bgw2119)

Link to Trello Boards:

1. **User Stories:**
https://trello.com/b/DA5gtnLl/user-stories-traderwizard-jpmorgan

2. **Use Cases:**
 https://trello.com/b/POJm7QEV/usecases-traderwizard-jpmorgan

User Story:

As a user, I should be able be able to make a trade using the Trader Wizard system. I should be able to enter the quantity of ETF, urgency and whether I would like to buy or sell the shares. Once the trade is done, I should be able to see the price at which the shares were sold on the dashboard.

Multiple User Stories:

1. **Login into the system**: As a user, I should be able to login into the system using my username and password. If I am a new user, I should be allowed to register for a new account.
2. **Entering details for the stock:** As a user, I should be able to enter details such as stock name (this will be ETF for MVP and auto-filled), urgency, quantity to be sold.
3. **Choose side**: As a user, I should be able to choose my side, whether I would like to buy or sell shares. For MVP and first iteration, customer would just like to sell share instantly. The system should be able to perform the trade a specified.
4. **Check status of trade**: As a user, I should be able to view the status of my trade. I should be prompted for whether the trade was successful or not. I successful, I should be able to see the child orders and the price at which the shares were sold.
5. **Logout of the system:** As a user I should be able be able to logout of the system after I am done making the required trades.

Use cases:

Use Case: Login to the Trader Wizard system

– Log into the system to perform trade

Actor: Trader

Subject Area: Trading

Trigger: Trader wants to execute trade

Preconditions: The system should be up and running and the trader should know the trade to be executed.

Basic Flow:
1.   The trader enters the username and password to login into the system.
2.   If the trader is using the system for the first time, he/she registers for a new account by entering details such as name, username and password.
3.   These credentials are used every time he/she logins to the system.

Postconditions: User is logged in.

A Web Page

http://

username

password

login   register

Use Case: Entering details in the system for the trade

– Entering details for the trade to be done
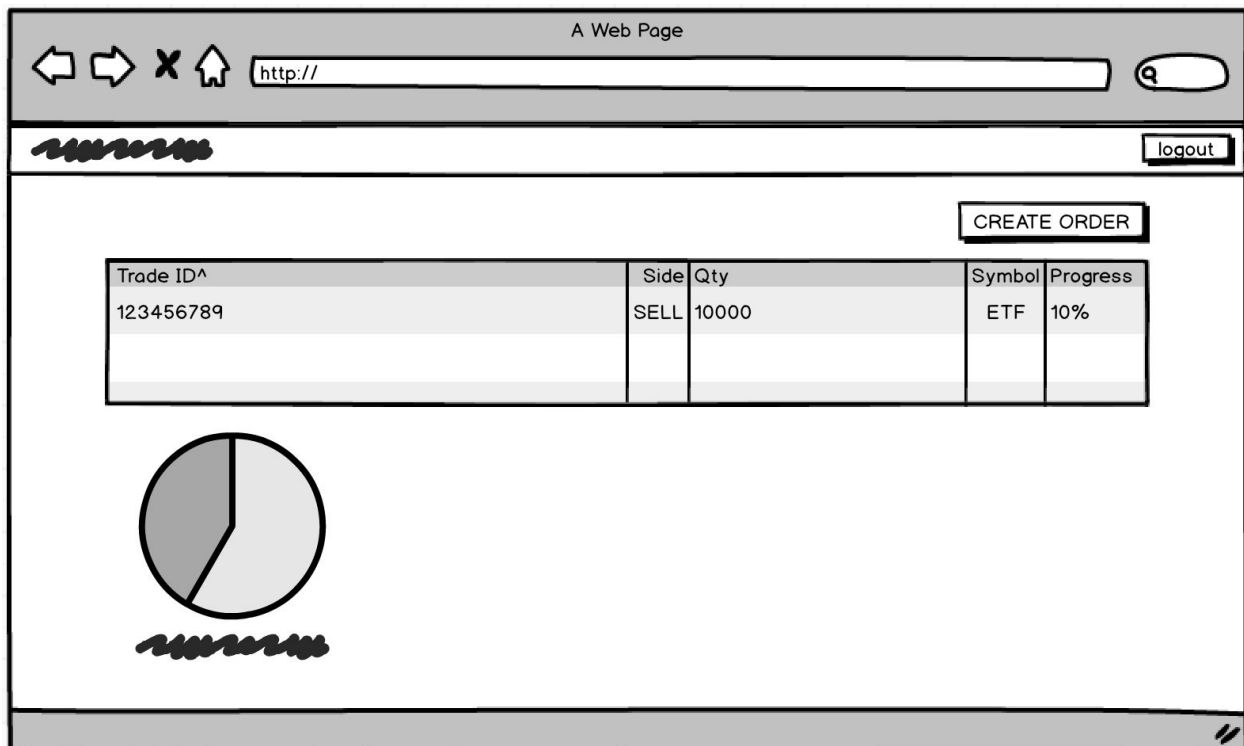
Actor: Trader

Subject Area: Trading

Trigger: Trader is logged in and ready to execute trade

Preconditions: The system should be up and running and the trader should be logged into the system.

Basic Flow:
1.   After the trader logs into the system, he/ she sees the dashboard.
2.   Here a menu pops up where he/she can enter the details of the share (ETF initially), quantity to be traded, urgency (by when the trade should be complete, for first iteration, all trades are done instantly) and the customer for which the trade is being performed.

Postconditions: Trade information is entered.

Note: The trader can click the "Create Order" button on the dashboard to open the modal below

Ticker Symbol

Quantity

Trading Strategy

Completion date   / /   📅

Account

SELL

Note: Here the trader can enter the details regarding the trade and then click SELL to place the order and return to the dashboard

• Use Case: Choose side

– Choose whether to buy or sell the shares

Actor: Trader

Subject Area: Trading

Trigger: Trader needs to choose buy/sell side to finish the trade.

Preconditions: The system should be up and running and the trader should be logged into system with other stock details already entered.

Basic Flow:
1.   The trader after entering the details of stock can choose between the two buttons.
2.   One button for Sell shares and other to buy shares. For the initial deliverable, the user is only able to SELL shares as specified by the customer and shown in the wireframe.

 Alternative Flow:
 1.   The system prompts the trader to be sure for the option chosen Buy/Sell
 2.   The user can change the option, incase he/she chose the incorrect option.

 Postconditions: Buy/Sell side for the trade is chosen and trade is executed.

Ticker Symbol

Quantity

Trading Strategy

Completion date   / /   📅

Account

SELL

• Use Case: Check trade status

– Checking the status of the trade

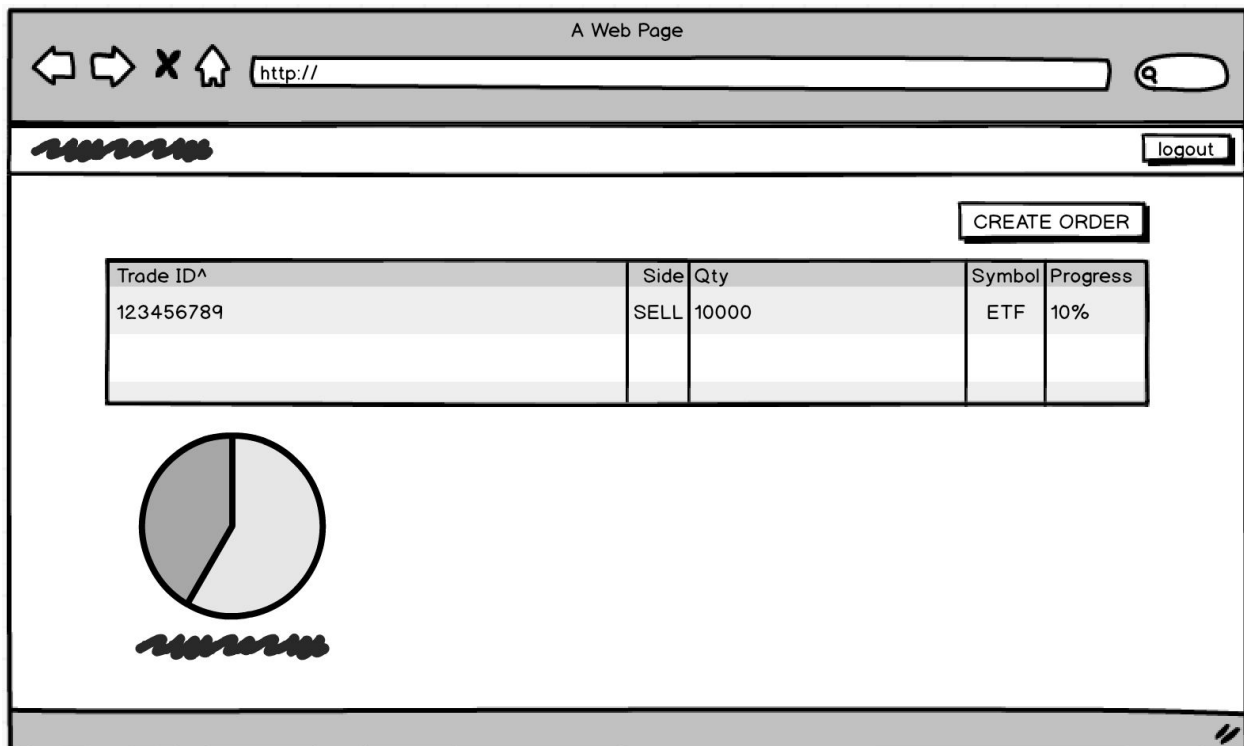Actor: Trader

Subject Area: Trading

Trigger: Order has been placed.

Preconditions: All required details are already entered by the trader on the dashboard.

Basic Flow:
1. The trader after placing an order should be able to see the progress of the trade.
2. He/she should be able to view whether the trade was successful or not.
3. Further, if the trade was successful, he/she should be able to view the details of the trade such as at what rate the shares were sold.
4. If the trade was unsuccessful, the trader should be able to go back and re-initiate the trade.

Postconditions: Trade status is confirmed

Note: The progress of all trades required for the trader will be shown in the pie chart, while each individual trades progress is shown in the table.

• Use Case: Logout of the Trader Wizard system

– Logout of the system after usage
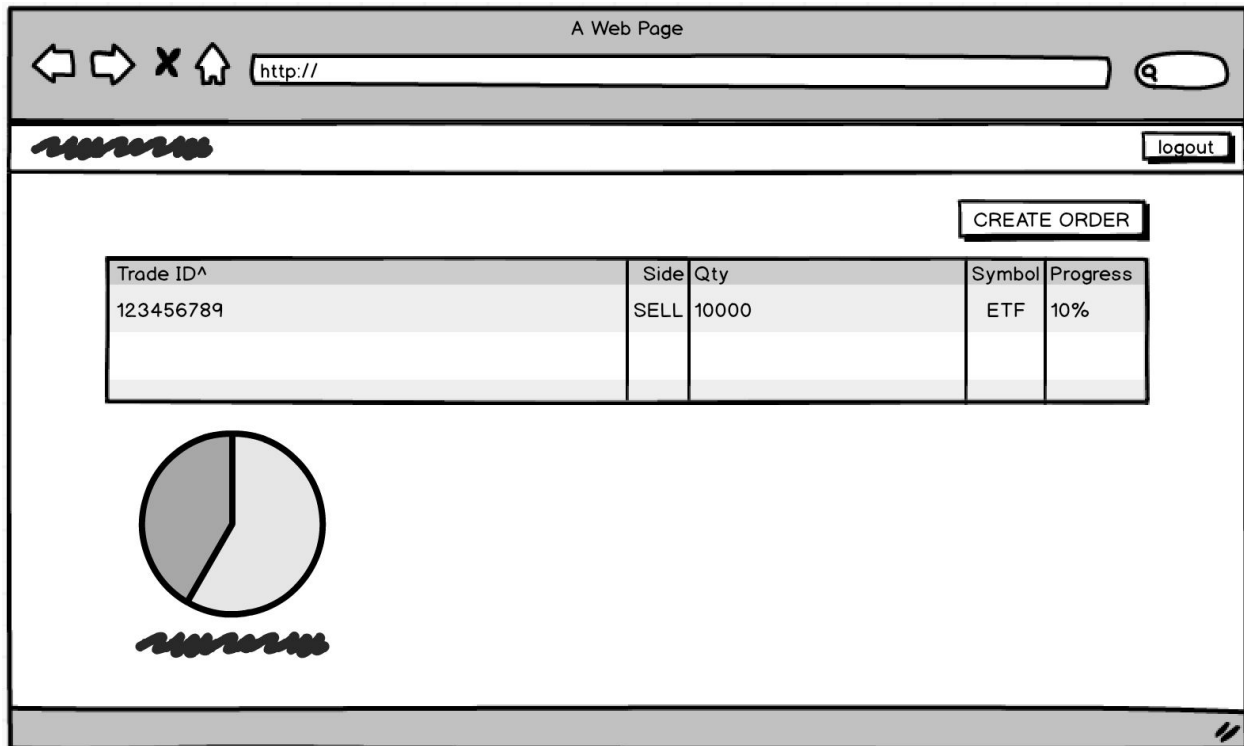
Actor: Trader

Subject Area: Trading

Trigger: Trade has been executed and trade status checked.

Preconditions: The trade has been performed by the trader.

Basic Flow:
1.   The trader should be able to logout of the system after completion of the trade.
2.   The trader should be able to go and select Logout button. The system should confirm whether the trader would like to logout and then close the system successfully.

Postconditions: User is logged out of the system.

Note: The trader can log out of the system by clicking on the logout button in the top right hand corner