Sprint 3 Plan

LEEPS Financial Markets Platform

Sprint completed on March 6, 2019.

Goal

To create the economics experiments software to conduct financial market experiments that are based in algorithmic trading. Specifically the algorithmic robots, the random robots to provide trading volume, and a broker to provide a live stream of data.

Tasks

- **[25]** As a developer, I want to implement a client that does the *Maker's* algorithm
  - create a client that makes buy/sell decisions based the Maker's algorithm in the texts [25h]
  - be able to communicate with the broker and receive a live feed of BB and BO
- **[25]** As a developer, I want to implement a client that does the *Taker's* algorithm
  - create a client that makes buy/sell decisions based the Takers algorithm in the texts [25h]
  - be able to communicate with the broker and receive a live feed of BB and BO [10h]
- **[25]** As a developer, I want to be able to send my order to the Broker and receive confirmation messages about my orders as well as the BB and BO of the stock
  - Create broker server that communicates with the clients and the exchange [5h]
  - Read in messages from the clients and from the exchange [5h]
  - Send out messages to clients and to the exchange [5h]
  - Calculate the BB and BO [5h]
- **[11]** As a developer, I want to be able to *Log* my history of cash, inventory, and orders.
  - Pass the parameters for the data that has been parsed from the broker [1h]

Team Roles

- Francisco Braga: Developer
- Jan Rybojad: Developer (Scrum Master)
- Mary Chern: Developer (Product Owner)
- Minh Anh Nguyen: Developer
- Megan Wu: Developer
- Wen Bin Yu: Developer

Initial Task Assignment

- Francisco Braga
  - Work on the algorithm for makers & takers
- Jan Rybojad
  - Work on finishing the log class
- Mary Chern
  - Work on finishing the log class
- Minh Anh Nguyen
  - Work on the broker
- Megan Wu
  - Work on the broker
- Wen Bin Yu
  - Work on the algorithm for makers & takers

Initial Burnup Chart

https://docs.google.com/spreadsheets/d/1QFqdUQgGKZzW3Vh-N8rZ7Oap3c0_zy-zE7ptTCdYcnE/edit#gid=0

Initial Scrum Board

https://trello.com/b/1grKmCD2/sprint-3

Scrum Times

BE 316, Tues 5:30pm
BE 316, Wed 5:30pm
E2 419, Thurs 5:50pm