Project Outline and Design:

Team name:

Team members: Connor Stevens – Server Info, Yen Le – Client Connection/GUI

Link to project Github repo:

Introduction:

Features:

Design:

Details:

Web Scraper Server:

TCP server that uses web scraping to get information from a stock website ([https://markets.businessinsider.com](https://markets.businessinsider.com/)). The server is responsible for:

* Reading and sorting the information from the stock website
* Reading in inputs from the client
* Finding the information the client wants and sending it back to them

Web Scraper Client:

TCP Client that will be:

* Prompted for what info they would like to receive (company specific numbers, or which company’s stock grew the most)
* Asked for a given time (the website uses the time periods of today, 3 months, 6 months, and 1 year)
* Responsible for receiving all the information back from the client.

Tools:

Hardware:

* Razor Laptops

Software:

* Python socket library
* Business Insider Stock Website

Weekly Plan:

|  |  |
| --- | --- |
| What to have done | Due date |
| Finish lab 5 and submit project outline | 10/25 |
| Have server process HTML information | 11/1 |
| Have server sort HTML information | 11/8 |
| Set up TCP connection | 11/15 |
| Get inputs from client to server and send back desired info | 11/22 |
| Fix bugs/GUI | 11/29 |
| Fix bugs/GUI | 12/6 |