

Lab 29 Proposal

For Lab 29, My goal is to create an application that simulates the stock market.

- The `std::map` can represent the trading service being used to track the stocks.
- Each `std::array` will represent a larger sector of the market, (leaving room for expansion later on with different sectors), containing three lists that represent specific companies in that sector

ex:

- Communications Services Sector
 - NFLX
 - GOOGL
 - META

Simulated Events

- The program will track the change of the **daily** fluctuations of these stocks, recording data such as:
 - Changes in price of the stock
 - Trading Volume of the stock
 - Larger events such as sector-wide booms/busts
- Data will be simulated over the course of a month or so, giving around 30 points of reference for daily change
- Each Day's changes will be concluded by the printing of a formatted table detailing the fluctuations in an easily-readable format.