### Overview

It is usually difficult to determine the direction of a stocks price with daily fluctuations.

This financial app will allow a user to query stock market data by its stock ticker. The result will be a page with a section containing its current stock price and other financial related data(if possible). A section for a line graph with an option for the user to choose between daily and weekly stock price quotes to help predict trends and buy/sell opportunities. A simple moving average line will overlay onto the price quote line smoothing out the direction of the stock price fluctuations making it easier for the user to determine direction.

### Features

* **User Login:** Users will be able to login and create accounts. The users stock searches will be stored in their user profile.
* **Stock Search:** Users can search for any stock listed on the NYSE.
* **Stock Chart:** Users can select between daily and weekly stock price data
* **Simple Moving Average:** This will smooth out price fluctuations for users to visually see stock price direction and make buy/sell decisions.

### Technologies

* Language: C#
* Razor Templates
* Alpha Vantage API
* Bootstrap

### What We’ll Have to Learn

In the course of this project, we will need to learn how to use the Alpha Vantage API to query stock quote data and display it in our chart. Bootstrap is a technology we hope to learn to be able to quickly develop nicely formatted web pages.

### Project Tracker

<https://trello.com/b/je6FJ3an/financial-app>