Stock Data Aggregation Web-App

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Project Overview

Our project will be a web-based application which can handle user/client input and report back to the user all relevant information regarding a certain company’s stock. The application will provide up-to-date, useful information on the security of the client’s choice and also recommend to the client whether they should purchase the security in question. The application will do this by first retrieving information from various online sources for financial information. Then the application will perform operations using the retrieved data to determine if the security should be purchased by the user. For example, retrieving the beta value, which is a measure of a securities volatility, could be compared to a benchmark value. Based on this comparison, the security could be assigned a Boolean value of “buy” or “sell.” Another function of our application would be storing the results of client queries in a database which will be hosted on a remote server.

The primary stakeholders for this application are people who may not have extensive knowledge of the stock market and are looking for a way to get started with investing. Furthermore, these are people who are interested in investing in public securities and not within the private sector, as a lot of the information on private companies is difficult to come by online. Our stakeholders value time and convenience when it comes to retrieving reliable information about publicly traded securities. Since this is a web based application and it meeting the functional requirements requires it to be used by end-users, this stakeholder group outlined above is of the upmost importance. Our application is important because nowadays speculators and passive investors are looking for a way to get a buy or sell decision without having to do extensive research. Our site will retrieve information and not require the user to do anything other than enter the ticker name of a security. The user saves time, energy, and resources while receiving a user-oriented service.