

# Stock Information App

## SIA

An application that will allow a user to search for and store a list of stocks (portfolio) for which they'd like to keep track.

- A user must be able to search for a stock, add to, and delete from their portfolio.
- A user's portfolio must persist across application restarts
- A user must be able to delete multiple portfolio items with a single action (select multiple items and delete from action bar button)

The main interface of the application (built using fragments) will display a list of stocks that the user has previously saved to their portfolio. They should be displayed in a list (or similar mechanism that allows seeing multiple stocks at once) with the symbol, company name (optional), and current price. Each stock listing will have a background color, green or red, based on whether the stock is currently higher or lower than its opening price respectively. The color should change in realtime based on current price movements.

Selecting a stock will display details of that stock, including:

- stock chart – the user should be able to switch among 1d, 5d, 1m, 6m, 1y chart
- current price
- percentage change
- previous closing price
- opening price
- market capitalization

The application will provide a news feed relating to the particular stock being viewed, or for the users portfolio in general if no stock is selected. Clicking on a particular news item will launch a browser instance with the related news article URL.

Useful Third Party APIs:

Stock information (JSON):

**[http://finance.yahoo.com/webservice/v1/symbols/<stock\\_symbol>/quote?format=json](http://finance.yahoo.com/webservice/v1/symbols/<stock_symbol>/quote?format=json)**  
replacing <stock\_symbol> with a comma separated list of the stock symbol(s) for which you would like information

News (XML):

**[http://finance.yahoo.com/rss/headline?s=<stock\\_symbol1+stock\\_symbol2>](http://finance.yahoo.com/rss/headline?s=<stock_symbol1+stock_symbol2>)**

Stock Chart (PNG) (chart codes: 1d, 5d, 1m, 6m, 1y):

**[https://chart.yahoo.com/z?t=<chart\\_code>&s=<stock\\_symbol>](https://chart.yahoo.com/z?t=<chart_code>&s=<stock_symbol>)**

Company Search (JSON):

**[http://d.yimg.com/autoc.finance.yahoo.com/autoc?  
callback=YAHOO.Finance.SymbolSuggest.ssCallback&query=<query\\_string>](http://d.yimg.com/autoc.finance.yahoo.com/autoc?callback=YAHOO.Finance.SymbolSuggest.ssCallback&query=<query_string>)**