Software Requirement Specification

Stock Trading Simulator Project

# Grade Requirements

## Third Party API – 30%

* + 1. The application must use a very detailed and interesting Third-Party API

## JavaScript – 30%

* + 1. The application must use some honest logic.
       - Examples are validating screen data, looping through arrays of JSON, events, element styles, classes.

## CSS – 25%

* + 1. The application’s CSS must not be distracting or overboard. Transforms, shadows, and other things such as that are examples

## JSON – 20%

## Events – 15%

* + 1. The application will use events, particularly on-click events.
    2. The application must use CSS rules for pseudo-state-selectors.

## Local Storage – 10%

* + 1. The application must use local storage for read, write, create, destroy.

# Project Requirements

## Game

* + 1. The application must allow the user to fake buy stock
    2. The application must allow the user to fake sell stock they own
    3. The application must allow the user to start a new game.
    4. The application must allow the user to delete a new game (with a warning).
    5. The application must load the last game the user was playing.
    6. The application must ask for permission before saving content.

## Search

* + 1. The application must allow the user to search for a stock and its current price (with some delay allowed)
    2. The application must allow the user to get the assetProfile module from Yahoo Finance and display it.
    3. The application must allow the user to get the balanceSheetHistory, cashflowStatementHistory and incomeStatementHistory modules and display them.
    4. The application must print chart data for the stock for a 5 day average.
       - If there is time, the application may handle other ones available from Yahoo Finance.
  1. Storage
     1. The application must be able to store, with permission, the game.
     2. The application must be able to load, with permission, the game.

1. Visual Requirements

## Simple – The appearance must be clean

1. Technological Requirements

## Hosting

## The application must be able to be hosted on a website.