



DMIT2008 Assignment 2

Task: Stock Price App – Code Standards, Styling and User Interface

Due: October 19th 2020

Weight: 15%

Overview

You must update the existing ES6 stock price app to make use of MDBBootstrap and the Sass (or Less if you really want) CSS preprocessing library to update the user interface. As well your code in the application must adhere to the airbnb style guide by using eslint.

Expectations

Download and extract the included application zip starter package (assignment-02-starter.zip). You will find the interface has been updated slightly (you are not tasked with making any updates to the user interface code), please review the `js/src/templates` directory to see the updated interface elements.

Your updated application must demonstrate the following:

- All of the requirements of the previous assignment must be adhered to for the current assignment:
 - Use Babel for compiling down ES6+ code to ES5 code.
 - Properly documented code using JSDoc convention.
- You must choose a CSS preprocessor (Sass) for implementing custom application style
 - Does not necessarily emphasize what looks fantastic but the implementation and usage of the library.
 - Implementation for variables, nesting, mixins at a minimum must be included.
- MDBBootstrap successful integration
 - You must include MDBbootstrap in your application.
 - CSS must be included in your html.
 - JS files must be included (including JQuery, but do not use any JQuery in your own code)
 - Implementation of the following at a minimum (please refer
 - Layout including a Navbar

- All form elements are leveraging MDBootstrap elements
- **[Bonus]** Implement a Chart using MDBootstrap to display the daily highs (and lows). You may use a bar chart or a line chart to do so. You can take a look at the following resources to help:
 - <https://mdbbootstrap.com/docs/jquery/javascript/charts/>
 - <https://mdbbootstrap.com/articles/web-design/charts-customization-tutorial-creating-a-dark-theme-gradient-chart/>
- Note: you may have to use “// eslint-disable-line” on the chart.js for the linting to pass.
- Proper implementation of scripts and configuration of packages in the package.json, and configuration files.
 - babel script (and configuration) to compile code down to ES5.
 - Lint script (and configuration) to check if your code adheres to the to the “airbnb” or “google” standard (pick one).
 - Sass Script to preprocess sass to css.
 - A build script that will compile both babel and sass together.
- Layout should look somewhat like the image in the “Look and Feel” section later on in this document.
- **Any other requirements as laid out by your instructor in class**

Delivery

Github:

Continue to commit and push up your changes to github up to the deadline.

- **Do not include the node_modules/ directory in your github, please keep the gitignore file.**

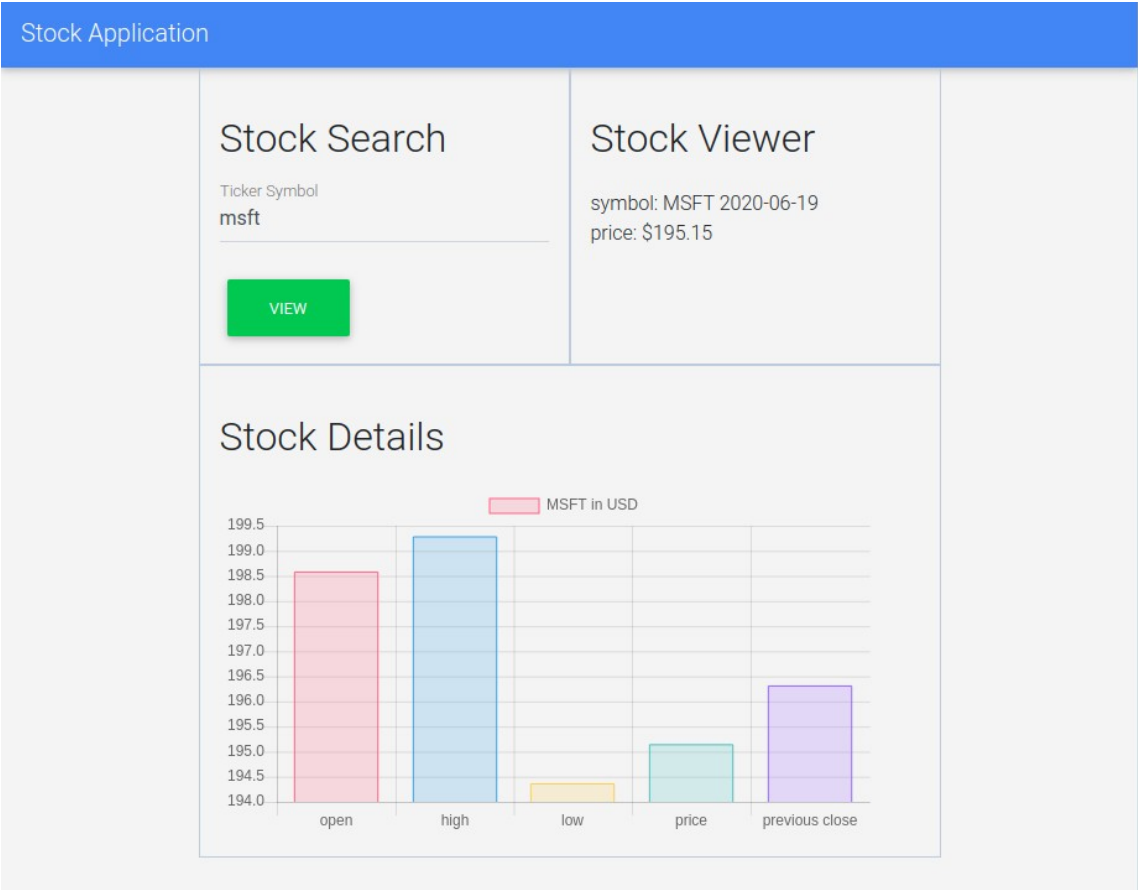
Moodle:

Zip your project folder and submit it to Moodle by the deadline.

- **Do not include the node_modules/ directory in your zip package.**

Seek help if you need it. **Late submissions will not be graded.**

Look and Feel



Grading Key

Tasks	Grade	Marks	Total
MDBootstrap Integration CSS and JS files Properly linked. Layout properly used, container present, and at least one row and one column used. All form Elements, button, form, input, label is correctly rendered using MDBootstrap Chart Properly displaying the daily highs (and lows) using MDBootstrap chart.js implementation (line or bar). [bonus]	1 3 3 [3]	1 3 3 [3]	7[10]
Preprocessor Either Less or Sass are used for styling (choose one) Demonstration of variables, nesting, mixins, and anything else you'd like to use to make it look great. Both css/less and Compiled CSS files present in css directory, only compiled CSS linked to index.html. A less or sass script is added to package.json for running Less/Sass, which will compile less/scss to css	5 1 1	5 1 1	7
Node.JS and Project Formatting Required npm packages are installed Build script is implemented to include the handlebars script and less/sass script ESLint correctly configured with airbnb or google style guide, and eslint script included in package.json. All Development files are in the proper directories. All compiled and production ready files are in the appropriate directories.	1 1 3	1 1 3	7

Only production ready files from the js/dist and cssdirectories are linked in the index.html file	1	1	
	1	1	
Code Readability and Efficiency <ul style="list-style-type: none"> • Demonstrates best practice as demonstrated in class lectures and examples • Efficient and maintainable techniques • Code format • Well documented • Utilizes your own written code (i.e. not gathered from online sources such as StackOverflow) 	-	-5	-

TOTAL MARKS		21[24]
-------------	--	--------

Marking Rubric

Marks	5 Marks Criteria [minus]
5 [0]	Task was completed with the highest of proficiency, adhering to best practices, and followed subject matter guidelines. The task was completed to a professional standard.
4 [-1]	Task was completed well, with some minor mistakes. Well above average work, shows good understanding of the task, and a high degree of competence.
3 [-2]	Task was completed satisfactorily. Some features are missing or incorrectly implemented. Shows a moderate level of understanding in the task with room for improvement.
2 [-3]	Task completion is below average, the task was poorly completed. Shows understanding of the task and the requirements to implement, but implementation was poorly executed.
1 [-4]	Some of the task was completed. Shows a lack of understanding in the subject matter and very poor execution.
0 [-5]	Not completed.

Marks	3 Marks Criteria [minus]
3 [0]	Task was completed well, adhering to best practices, and followed subject matter guidelines.
2 [-1]	Task was completed satisfactorily. Some features are missing or incorrectly implemented. Shows a moderate level of understanding in the task with room for improvement.
1 [-2]	Some of the task was completed. Shows a lack of understanding in the subject matter and very poor execution.
0 [-3]	Shows a little to no degree of competence in completing the task; not completed.

Marks	1 Marks Criteria
1	Task completed satisfactorily
0	Task was not completed