DMIT2008 Assignment 4 Part A

Task: Stock Price Application – React Library Update

Due: Midnight on November 23rd, 2020

Weight: 12.5%

Overview

The user interface will be implemented with React components rather than the vanilla Javascript that we did before React.

Expectations

Download and extract the included application zip starter package. You will begin by updating the project with the ability to compile React components to ES5 (Babel preset and required npm packages) and then systematically build the required components for the UI. Your updated application must demonstrate the following:

- Removal of all unnecessary code and files:
- Implementation of a StockSearchForm component
    - This component will allow the user to enter the stock symbol for desired stock quote
- Implementation of a StockPriceDisplay component
    - This component will display the current stock price information and allow the user to view the previous five-day history.
- Implementation of a StockPriceHistoryList component
    - This component will display the previous five-day history performance for the currently display stock
- Implementation of a App component
    - This component will be used to manage the entire application and provide coordination between components when required
- You may use “Create-react-app” to render your project
- For third party packages (the bonus) you can take a look at the following links
    - Awesome React packages: https://github.com/brillout/awesome-react-components

      This is a really large collection of third party packages that you can use.

    - Awesome React Tools/Libraries/Tutorials/Redux/a lot more https://github.com/enaqx/awesome-react
- **Any other requirements as laid out by your instructor in class**

Delivery

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.**

Grading Key

Tasks	Grade	Marks	Total
Stock Search Form StockSearchForm component added to project correctly • Component is correctly coded and linked to the application • Component renders appropriately, including any required data • Updates State of Stock Data Correctly. StockSearchForm is functional • Proper event handling • Proper component update rendering	3 1	3 1	4
Stock Price Display StockView component added to project correctly • Component is correctly coded and linked to the application • Component renders appropriately, including any required data • Allows user to display 5 day history as an option, onclick renders the Stock History List Diaplay Component. • Uses state of Stock Data Correctly, and isn't nested in the Stock Search Form. StockView is functional • Proper event handling • Proper component update rendering	5 1	5 1	6
Stock History List Display StockHistoryList component added to project correctly • Component is correctly coded and linked to the application • Component renders appropriately, including any required data • Uses state of Stock Data Correctly, and isn't	1	1	2

nested in the Stock Search Form. StockHistoryList is functional • Proper event handling • Proper component update rendering	1	1	
App App component added to project correctly • Component is correctly coded and linked to the application • Component renders appropriately, including any required data • State is handled correctly. App is functional • Proper event handling • Proper component update rendering	3 1	3 1	4
Integration of 3rd party package • usage of third party packages effectively and following their documentation. • Usage of multiple 3rd party packages together effectively according to their documentation.	0	[3]	[3]
Code Readability and Efficiency • Efficient and maintainable techniques • Code format • Well documented • Etc. Utilizes your own written code (i.e. not gathered from online sources such as StackOverflow)		-5	-

TOTAL MARKS		16 [19]

Marking

Marking thoughts and notes

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**