



DMIT2008 Assignment 4

Part B

Task: Stock Price Application – React Router, Central Store

Due: Midnight on December 9th, 2020

Weight: 5%

Overview

You are tasked with updating part A of this assignment to use a central store and multiple pages. This assignment will require you to use all the things you learned through the Part A, as well as your knowledge of react router, and how to use/create a central store.

Expectations

- Removal of all unnecessary code and files:
- Implementation of a central store component (with a relevant name)
 - All state that is used across components (in the App.js) is stored in the central store components.
 - All Components are using the context that is exported from the store component.
 - The entire application is wrapped in the central store component.
 - All props and state that might have been relevant in the past are not included
- Implementation of two pages (A Search Page, and a My Stocks Page)
 - react router dom is installed properly
 - Application is wrapped in the router component.
 - Switch and Routes are properly configured
 - Pages are in their own folder and properly organized.
 - Links are visible in the navbar and go to the correct page
- (Bonus) Stock Info Page with links
 - Create a page that's going to take the stock symbol as a parameter
 - On that page set the central store stock data to the stock specified as a parameter
 - Links in the MyStocks components to each stock.
 - useHistory hook is used to navigate to the page with the page parameter in the path that its' pushing to.
- **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
Central Store Component <ul style="list-style-type: none"> All state that is used across components (in the App.js) is stored in the central store components. All Components are using the context that is exported from the store component. The entire application is wrapped in the central store component. All props and state that might have been relevant in the past are removed in the application. All components work and renders as expected originally 	1 3 1 1 1	1 3 1 1 1	7
React Router <ul style="list-style-type: none"> react router dom is installed properly Application is wrapped in the router component. Switch and Routes are properly configured in the app Pages are in their own folder. Links are visible in the navbar and go to the correct page 	1 1 3 2 1	1 1 3 2 1	8
(Bonus) React Router Parameters and Stock Page. <ul style="list-style-type: none"> Create a page that's going to take the stock symbol as a parameter On that page set the central store stock data to the stock specified as a parameter Links in the MyStocks components to each stock. UseHistory hook is used to navigate to the page with the page parameter. 	[3]	[3]	
Code Readability and Efficiency <ul style="list-style-type: none"> Efficient and maintainable techniques Code format Well documented Etc. Utilizes your own written code (i.e. not gathered from online sources such as StackOverflow) 	0	-5	-5

TOTAL MARKS	15 [18]
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Marking

Marking thoughts and notes

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