ZPX Front End Coding Challenge

Zenprivex.com is a startup based out of Bangalore. Zenprivex.com (ZPX) is working on a blockchain based marketplace for real life assets like equity and crypto funds and private stock. ZPX is hosted by Accel and their investors include founders of Junglee, Zerodha, FreshDesk, CTO of Square etc. ZPX is looking to hire quality developers and would like to invite you to attempt this coding challenge. You can find more information at www.zenprivex.com

This challenge is to test you on your understanding of React.JS, HTML, CSS and UI/UX. This challenge consists of the following:

1. A Business problem described below
2. You will need to solve the problem using React.JS and redux.
3. You will need to host the solution on any hosting provider of your choice like AWS, Azure or Heroku.
4. Upload the code to a public repository on Github or Bitbucket.

Business Problem:

You are building a dashboard that will display the historical and current, real time stock price. The dashboard should look similar to the one shown below in Chart #1.

The following features should be present:

1. I should be able to enter any stock symbol and get its data in the form of a graph.
2. The graph should have different configurable time ranges - 1 day, 5 days, 1 month, custom date etc
3. I should be able to tap on the graph and get data for that point in time.
4. On the left side bar, the dashboard should store the symbols that I have searched for so that I can tap on them and get the data for those symbols.
5. In the left side bar, the previously chosen symbols should update to show the data as per the point on the graph where I tap. For eg., if I tap on 2018-01-04 14:00 on the graph which is showing data for MSFT symbol, the data on the side bar should update for all the symbols searched for the data from this date/time.
6. On the graph, there should be an controls for "Low price", "High price" and Volume. When I tap on it, the graph should show the min price, Max price and volume for that symbol. Click on the link to view the GIF chart sample.
7. The page should be responsive.

Data and API:

Use the Alphavantage data and API to create this dashboard. Use this API key:
2FZIVBF4TZA5XLXB. The documentation is available here. You can try this API which gives
data in 1 min intervals (or any interval that you choose).

Chart Sample #1:

If you have any questions, please do not hesitate to send an email to
gangadhar@zenprivex.com. Do not hesitate about asking questions since that shows your
knowledge and skill.