Assignment #4 - iOS Mobile App Exercise

Total points: 15 points

1) **App Icon and welcome Screen (0.5 points)**
   a) App Icon - 0.25 points
   b) Splash screen - 0.25 points

2) **Home Screen (2.5 points)**
   a) Fetching Data… spinner on initial load - 0.25 points
   b) Displaying current date - 0.25 points
   c) Showing "Portfolio" and "Favorites" section headers - 0.25 points
   d) Displaying correct cash balance and net worth under portfolio – 0.25 points
   e) Displaying rows correctly with desired layout - 0.25 points
   f) Correct change in price, symbol, and color for each section - 0.25 points
   g) Displaying company name for favorites and shares owned for portfolio- 0.25 points
   h) "Powered by Finnhub" text and link it to http://www.finnhub.io/ - 0.25 points
   i) Correct UI Styling - 0.25 points
   j) Price should refresh every 15 seconds - 0.25 points

3) **Search and Autocomplete (1.5 points)**
   a) A search bar that will appear when the user scrolls down – 0.25 points
   b) Correct auto suggestion results being displayed - 0.5 points
   c) Correct UI layout for auto suggestion results - 0.5 points
   d) Can select suggestion results - 0.25 points

4) **Stock Detail Screen (2.5 points)**
   a) Fetching Data… spinner on initial load - 0.25 points
   b) Bookmark button displayed in correct state - 0.25 points
   c) Correctly displays company name, company logo, current price, change in price and change percentage - 0.25 points
   d) Portfolio section with correct message with 0 or more shares, and trade button in desired layout - 0.75 points
   e) Stats section in desired layout - 0.25 points
   f) About section in desired layout – 0.25 points
   g) Toast message when bookmarking, un-bookmarking - 0.25 points
   h) Correctly shows and load company peers – 0.25 points

5) **Highcharts (Hourly and Historical) (1 point)**
   a) Correctly loads and displays Highcharts with the correct ticker - 0.25 points

b) Interactable Highcharts graph, with correct ticker displayed in detail on click - 0.25 points
c) Correctly use TabView for the two charts – 0.25 points
d) Use correct icons for the tabs – 0.25 points

6) Insight Section (1.5 points)
a) Correctly layout and display Social Sentiment table – 0.5 points
b) Correctly load and display Recommendation Trends chart – 0.5 points
c) Correctly load and display Historical EPS Surprises chart – 0.5 points

7) News Section (1.75 points)
a) Correct layout for the first news card, image should be cropped, not stretched- 0.25 points
b) Correct layout for the rest of the news cards, image should be cropped, not stretched - 0.25 points
c) Time ago field should be calculated and displayed - 0.25 points
d) Correct layout and information for news card on click - 0.25 points
e) Correct link and open action (in safari) – 0.25 points
f) Correct Twitter link and open action (in safari) – 0.25 points
g) Correct Facebook link and open action (in safari) – 0.25 points

8) Trading Sheet (1.5 points)
a) Correct UI layout - 0.25 points
b) Correct component displayed - 0.25 points
c) Shows Numeric Keyboard - 0.25 points
d) Calculation done in real time for trading amount - 0.25 points
e) Congratulations page on trading success - 0.25 points
f) Toast message on 5 error cases - 0.25 points

9) Portfolio and Favorite functionality (2 points)
a) Stocks should show/hide on the home screen when added to / removed from Favorite in stock detail screen - 0.25 points
b) Stocks should show/hide in portfolio section after trading is done in trading sheet - 0.25 points
c) Stocks should change shares owned amount in both portfolio and favorites sections after trading is done in trading sheet - 0.25 points
d) Stocks should change the money in wallet correctly after trading is done – 0.25 points
e) "Edit" and "Save" button on top right of home screen, correct behavior on clicks - 0.25 points
f) Able to reorder stocks in Portfolio, and Favorites section - 0.25 points
g) Able to remove stocks in Favorites section by edit and swipe to delete, should no longer be favorited in stock detail screen - 0.25 points

h) Data should persist after quitting the app and relaunching. The correct favorite, portfolio, and order in list should be displayed - 0.25 points

10) NodeJS endpoint (0.25 points)

    a) A link on GitHub page to link to your NodeJS backend used for this homework. The link must point to a REST API - 0.25 points