# 7COMP 4513 Assignment #1: React *(version 1)*

#### Due Monday February 26, 2018 at midnightish Changes in yellow or green

## Overview

This assignment provides an opportunity for you to demonstrate your ability to generate a mobile-first, single-page application using React.

## Beginning

Use the same techniques covered in the second React lab for this assignment. Use as well the Bulma CSS framework, which will give you the responsive layout to look good at mobile sizes. I will mark the assignment in a browser size similar to a portrait-sized mobile phone.

The current assignment specification and the data files can be found at https://github.com/rconnolly/comp4513-w2018-assign1.git.

## Submitting

For me to mark your assignment, you will need to share your workspace with me once it is complete. To do so, click the Share button (it has a gear icon) in the upper-right part of the Cloud9 workspace. Invite me via my email ([rconnolly@mtroyal.ca](mailto:rconnolly@mtroyal.ca)) and be sure to give me RW access (otherwise I can’t run anything).

## Grading

The grade for this assignment will be broken down as follows:

Visual Design and Styling 20%

Programming Design 15%

Functionality (follows requirements) 65%

## Data Files

You have been provided with two JSON files, stocks.json and userStockPortfolio.json. The first represents a list of about 70 stocks. The second is a list of stocks that users own (that is, portfolios). You can load a JSON file quite simply in React via a single import statement.

User information will be retrieved via the https://jsonplaceholder.typicode.com/users web service.

## Requirements

1. You must make use of the create-react-app starting files and structure.
2. You must use the Bulma CSS Framework.
3. This assignment consists of six views (remember this is a single-page application, so it is best to think of the assignment consisting of different views). In the remainder of this assignment, I have provided a sketch of the basic layout of each view. They do not show the precise styling: indeed I will be expecting your pages to look significantly more polished and attractive than these sketches.
4. When your site loads, it should display the Home Page View. When the user selects a Home links (from breadcrumb or drop-down menu in upper-right corner), it should display this Home Page View. Again, I would expect your version to be substantially more attractive than this sketch, perhaps adding images and icons.

**ASSIGN 1**

Home Page View

Users Stock Portfolio Viewer

Users

Browse the users in our system

Stocks

Browse the stocks in our system

About Us

Find out more about this system

Menu will display these choices: home, users, stocks, about

Clicking on this will display User List View

Clicking on this will display Stock List View

Clicking on this will display About Us View

1. When the user selects a Users links (from home page, breadcrumb, or drop-down menu in upper-right corner), it should display the User View. The data comes from the web service.

**ASSIGN 1**

Home / Users

User List

Chelsey Dietrich

Clementine Bauch

Ervin Howell

Kurtis Weissnat

Leanne Graham

Patricia Lebsack

Display list of users sorted by name.

Each should be a link to user details view

Breadcrumb navigation. Each underlined word indicates a link to the appropriate view

User List View

1. When the user selects a single user, it should initially display the Single User View. This view has two subviews: Details View and Portfolio View, switchable via the Details/Portfolio tabs. Data comes from the users web service and the userStockPortfolio.json file.

**ASSIGN 1**

Home / Users

Leanne Graham

Details

Portfolio

Id: 5

Email: Sincere@april.biz

Phone: 1-770-736-8031 x56442

Address

Company

Will display either the user

details (shown) or the Portfolio

Information (next screen)

Clicking on these will open and

display the address or company

information for the user

This is a sketch so I would expect

these to be formatted in a nice way

The user’s name

Single User – Detail View

**ASSIGN 1**

Home / Users

Leanne Graham

Details

Portfolio

**Symbol**

AMZN

ADI

AMAT

CTXS

CB

Display list of stocks for that user, with the symbol being a link/route to stock info page/component

**Amount**

**Name**

Amazon.com Inc

Analog Devices, Inc

AMAT

Citrix Systems

Chubb Limited

1000

700

650

500

300

Clicking on these headings will change the sort order (to simplify just sort ascending when clicked).

Single User – Portfolio View

1. When the user clicks on a stock, it should display the Single Stock View. Data comes from the stocks.json file.

**ASSIGN 1**

Home / Stocks / Stock

Analog Devices, Inc

Symbol: ADI

Sector: Information Technology

Sub-Industry: Semiconductors

Address: Norwood, Massachusetts

Logos have been provided as scalable SVG files

Data from stocks.json file



Single Stock View

1. When the user selects a Stocks links (from home page, breadcrumb, or drop-down menu in upper-right corner), it should display the Stock List View.

**ASSIGN 1**

Home / Stocks

Stock List

ADI

AME

APC

APH

BAX

BBT

Display list of stocks sorted by symbol name.



Stock List View

1. When the user selects an About link, it should display the About Us View.

**ASSIGN 1**

Home / About

About Us

Tell us who you are, what technologies were used and what tools and packages you have used.

About Us View