

App Development Strategy 2-

Assignment 2 – Navigation and RNE

All assignments are to be completed individually

Description

The purpose of this assignment is to demonstrate the ability to create a simple React Native app that demonstrates that you can navigate between screens as well as apply some UI components:

- You should create the project from the start. You can use lab exercises as examples, but the code should be your own with your own comments.
- You should have at least three screens. These screens should be created from external component files in a suitable sub-folder.
- You should use any of the **React Navigation** navigators to navigate between these screens. You should use the navigation prop to load a different screen or access one or more of the manual navigation methods
- You should have a list in this example. It should be built programmatically using an array of objects as the data source.
- Add at least three components from the **React Native Elements** library that you will see in weeks 4 and 5. For your plan you can take a look at the components available [here](#)
- You should establish a consistent colour theme. This can be accomplished using common StyleSheet components or by using Theming from the React Native Elements library.
- Again, you can use concepts from lab examples, but the assignment should be built from scratch.
- A low-fi wireframe should be completed first to establish the plan for your app. You should submit this in advance to get confirmation that you have all the required elements within the first two weeks of the assignment period.

NOTE: A portion of the mark will be derived from the cohesiveness of your example. In other words, it shouldn't just be X views with no logical relationship between them. You could make these views part of a registration, purchase completion, product search or some other process. That being said, you don't have to build out a complete app.

To this end you might consider executing a sub-set of one of the apps you've storyboarded in one of your other classes.

Also, either assignment 2 or 3 could be the basis for your project so you might consider a smaller part of a potential project idea as the basis for this assignment.

Deliverables

- Please comment your code with your own comments. You don't have to comment every statement but at least give a short description at the start of a large block of code or a function
- Include a report document with this template. The report should include your wireframe and briefly describe your features, so I know what to check as well as your views and how they are navigated.
- Package your app by removing un-necessary folders such as node_modules and .expo folders.

Some Advice

- You should at least create low-fi wireframes. These can be reviewed with the instructor but otherwise you should start with a base understanding of what screens are needed and how you'll allow navigation between them
- Start the project from scratch and confirm each part is working before moving on
 - NOTE: You can always reference the lab files but if you take the end project and just try to reverse engineer it you'll likely spend more time trying to figure out what you've broken
 - Make your X screens as skeletons with no content other than a text identifier. Even without the navigator you can confirm they working by setting them manually as we did in week 2
 - Create your navigation container in App.js and load your screens
 - If you are using a Tab make sure you switch between screens. If you are using a Stack add the button(s) needed to load the screens and make sure they are working
- For images be clear on whether you are loading remotely (using uri) or locally (using require()).
- For your list, I would suggest you approach it like the labs.
 - Create the basic FlatList and just load one part of the data in the renderItem
 - Then create an external component and change the renderItem to use that
- For look and feel, I would suggest you consider using the RNE theme provider (week 5). However, you could just create and export a StyleSheet in a single file and then import into your screens
- For the other RNE requirements, keep in mind that the RNE versions of Text and Image would satisfy requirements. For a third item I would suggest the ListItem, Icon, or Avatar components have all been seen in class labs.