Exercise (Instructions): React Native Navigation Part 1

Objectives and Outcomes

In this exercise we will explore navigation support for our React Native application using React Navigation, providing mobile app like navigation among the views. At the end of this exercise you will be able to:

- Configure your React Native application with navigation support
- Use the Stack Navigator from React Navigation to provide stack like navigation among the views
- Enable the passing of information among views using navigation parameters

Installing React Navigation

- Install React Navigation into your project by typing the following at the prompt:

```
1  yarn add react-navigation@2.0.1
```

- Open *MenuComponent.js* and update it as follows:

```
1   import React, { Component } from 'react';
2
3   . . .
4
5   import { DISHES } from '../shared/dishes';
6
7   . . .
21
22    render() {
23
24        const { navigate } = this.props.navigation;
25
26    . . .
27
28              onPress={() => navigate('Dishdetail', { dishId: item.id })}
29
30    . . .
31
32              data={this.state.dishes}
33
34    . . .
35
```

- Then, open *DishdetailComponent.js* and update it as follows:

```
1   import React, { Component } from 'react';
2
3   . . .
4
5   import { DISHES } from '../shared/dishes';
6
7   . . .
8
9   class DishDetail extends Component {
10
11      constructor(props) {
12          super(props);
13          this.state = {
14              dishes: DISHES
28      }
29
30    . . .
31
```

- Then, open MainComponent.js and update it as follows:

```
1   . . .
2
3   import { View, Platform } from 'react-native';
4   import { createStackNavigator } from 'react-navigation';
5
6   const MenuNavigator = createStackNavigator({
7       Menu: { screen: Menu },
8       Dishdetail: { screen: Dishdetail }
15          },
16          headerTintColor: '#fff',
17          headerTitleStyle: {
18              color: "#fff"
19          }
20      }
21  }
22  );
23
24    . . .
25
26      <View style={{flex:1, paddingTop: Platform.OS === 'ios' ? 0 : Expo
            .Constants.statusBarHeight }}>
27          <MenuNavigator />
28      </View>
29
30    . . .
```

- Save all the changes and do a Git commit with the message "Navigation Part 1".

Conclusions

In this exercise we have configured navigation support within our app using React Navigation.