

Exercise (Instructions): Buttons and Icons

Objectives and Outcomes

In this exercise you will learn about using buttons and icons in buttons. Also you will learn how to respond to button clicks. You will also learn to customize the side drawer. At the end of this exercise you will be able to:

- Add buttons and icons to your app
- Respond to button clicks within your app
- Customizing the side drawer in the Drawer Navigation.

Displaying Comments

- Open *DishdetailComponent.js* and update it as follows to display the comments about the dish:

```

1  . . .
2
3  import { Text, View, ScrollView, FlatList } from 'react-native';
4
5  . . .
6
7  import { COMMENTS } from '../shared/comments';
8
9  . . .
10
11
12
13
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16
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19
20
21
22
23
24
25
26
27    return (
28      <Card title='Comments' >
29        <FlatList
30          data={comments}
31          renderItem={renderCommentItem}
32          keyExtractor={item => item.id.toString()}
33        />
34      </Card>
35    );
36  }
37
38  . . .
39
40  this.state = {
41    dishes: DISHES,
42    comments: COMMENTS
43  };
44
45  . . .
46
47    <ScrollView>
48      <RenderDish dish={this.state.dishes[dishId]}
49      />
50      <RenderComments comments={this.state.comments.filter((comment)
51        => comment.dishId === dishId)} />
52    </ScrollView>
53  . . .

```

```

11    {dish.description}
12    </Text>
13    <Icon
14      raised
15      reverse
16      name={ props.favorite ? 'heart' : 'heart-o'}
17      type='font-awesome'
18      color='#f50'
19      onPress={() => props.favorite ? console.log('Already
20        favorite') : props.onPress()}
21    />
22  </Card>
23
24  . . .
25
26  this.state = {
27    dishes: DISHES,
28    comments: COMMENTS,
29    favorites: []
30  };
31
32  . . .
33
34  markFavorite(dishId) {
35    this.setState({favorites: this.state.favorites.concat(dishId)});
36  }
37
38  . . .
39
40    <RenderDish dish={this.state.dishes[dishId]}
41    favorite={this.state.favorites.some(el => el === dishId)}
42    onPress={() => this.markFavorite(dishId)}
43  />
44  import { createStackNavigator, createDrawerNavigator, DrawerItems, SafeAreaView
45  } from 'react-navigation';

```

```

5 import { Icon } from 'react-native-elements';
6
7 . . .
8
9 *   Menu: { screen: Menu,
10 *     navigationOptions: ({ navigation }) => ({
11 *       headerLeft: <Icon name="menu" size={24}
12 *         color= 'white'
13 *         onPress={ () => navigation.toggleDrawer() } />
14 *     })
15 *   },
16
17 . . .
18
19 ,
20   headerLeft: <Icon name="menu" size={24}
21     color= 'white'
22     onPress={ () => navigation.toggleDrawer() } />
23 })
24
25 . . .
26
27
28
29
30 const CustomDrawerContentComponent = (props) => (
31   <ScrollView>
32     <SafeAreaView style={styles.container} forceInset={{ top: 'always',
33       horizontal: 'never' }}>
34       <DrawerLabel> { props.drawerLabel }
35     </DrawerLabel>
36     <DrawerIcon> ({ tintColor, focused }) => (
37       <Icon
38         name='home'
39         type='font-awesome'
40         size={24}
41         color={tintColor}
42       />
43     ),
44   ),
45
46 . . .
47
48   drawerLabel: 'About Us',
49   drawerIcon: ({ tintColor, focused }) => (
50     <Icon
51       name='info-circle'
52       type='font-awesome'
53       size={24}
54       color={tintColor}
55     />
56   ),
57
58 . . .
59
60   drawerLabel: 'Menu',
61   drawerIcon: ({ tintColor, focused }) => (
62     <Icon
63       name='list'
64       type='font-awesome'
65       size={24}
66       color={tintColor}
67     />
68   ),
69
70 . . .
71
72   drawerLabel: 'Menu',
73   drawerIcon: ({ tintColor, focused }) => (
74     <Icon
75       name='list'
76       type='font-awesome'
77       size={24}
78       color={tintColor}
79     />
80   ),
81   drawerBackgroundColor: '#D1C4E9',
82   contentComponent: CustomDrawerContentComponent
83
84 . . .
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100
101 * const styles = StyleSheet.create({
102 *   container: {
103 *     height: 140,
104 *     alignItems: 'center',
105 *     justifyContent: 'center',
106 *     flex: 1,
107 *     flexDirection: 'row'
108 *   },
109 *   drawerHeaderText: {
110 *     color: 'white',
111 *     fontSize: 24,
112 *     fontWeight: 'bold'
113 *   },
114 *   drawerImage: {
115 *     margin: 10,
116 *     width: 80,
117 *     height: 60
118 *   }
119 * });
120
121
122
123
124
125 . . .

```

- Save all the changes and do a Git commit with the message "Icons and Buttons".

Conclusions

In this exercise you have learnt to add icon buttons to your app and also customize the side drawer.