

EEX3269/EEI3269 – Introduction to Mobile Application Development

Academic Year 2022/23

Design Class - 04

Name :K.D.T.Maduhurangi

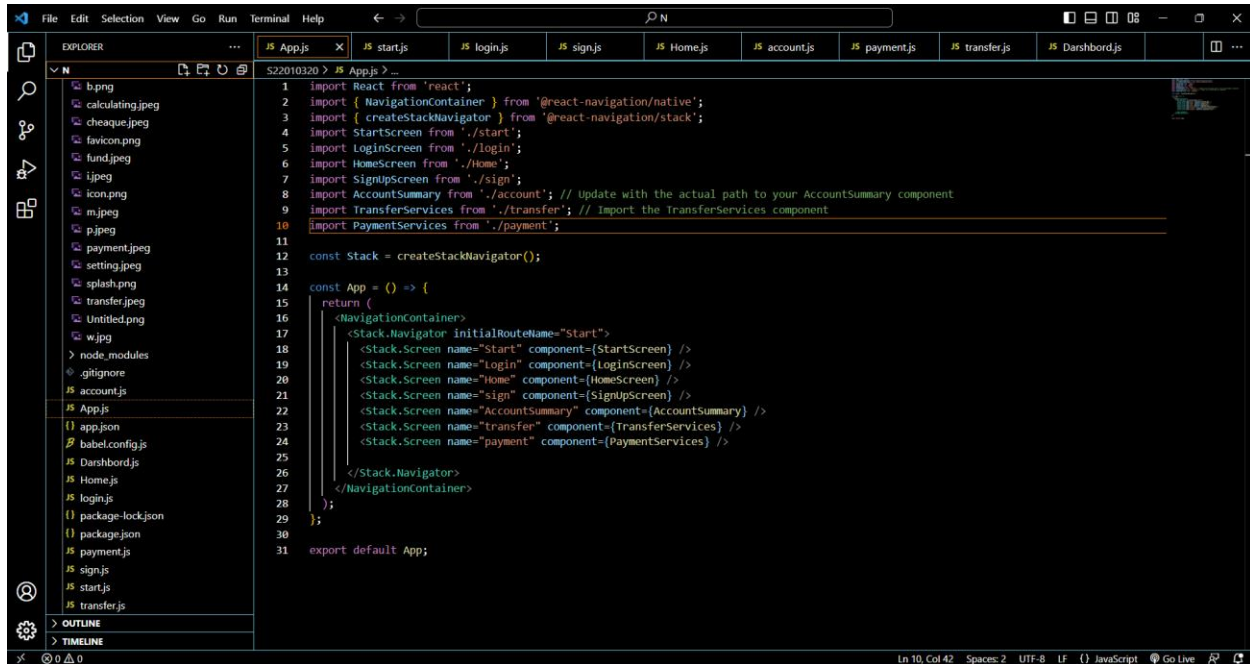
S number:s22010320

MSTeam :WE_G04

Bank and Finance

UI CODE

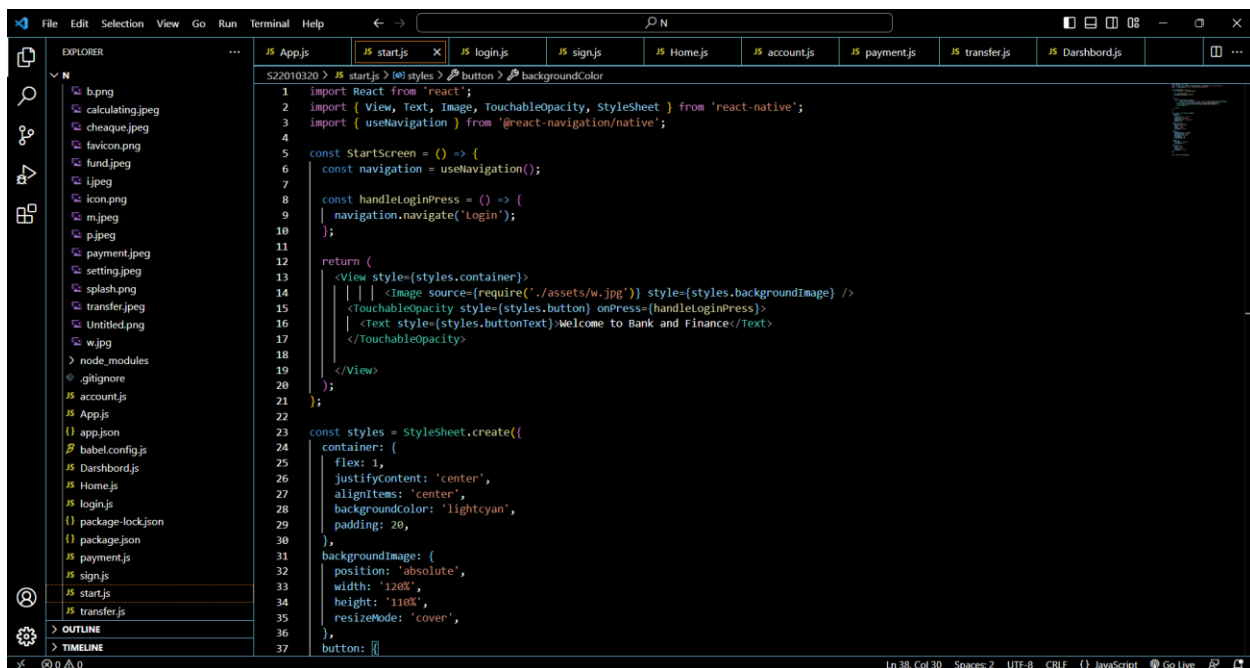
App.js



The screenshot shows the VS Code editor with the 'App.js' file open. The Explorer sidebar on the left lists various assets like 'b.png', 'calculating.jpeg', 'cheque.jpeg', 'favicon.png', 'fund.jpeg', 't.jpeg', 'icon.png', 'm.jpeg', 'p.jpeg', 'payment.jpeg', 'setting.jpeg', 'splash.png', 'transfer.jpeg', 'Untitled.png', 'w.jpg', and folders like 'node_modules', '.gitignore', 'account.js', 'App.js', 'app.json', 'babel.config.js', 'Dashbord.js', 'Home.js', 'login.js', 'package-lock.json', 'package.json', 'payment.js', 'sign.js', 'start.js', and 'transfer.js'. The main editor area shows the following code:

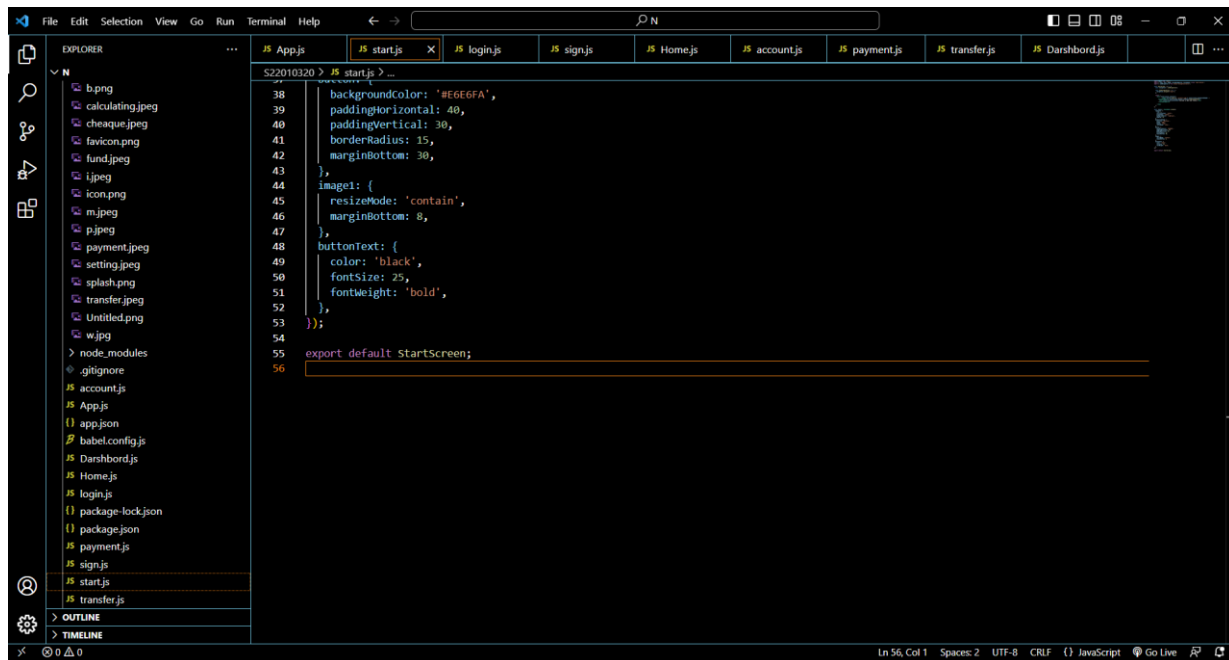
```
1 import React from 'react';
2 import { NavigationContainer } from '@react-navigation/native';
3 import { createStackNavigator } from '@react-navigation/stack';
4 import StartScreen from './start';
5 import LoginScreen from './login';
6 import HomeScreen from './Home';
7 import SignUpscreen from './sign';
8 import AccountSummary from './account'; // Update with the actual path to your AccountSummary component
9 import TransferServices from './transfer'; // Import the TransferServices component
10 import PaymentServices from './payment';
11
12 const Stack = createStackNavigator();
13
14 const App = () => {
15   return (
16     <NavigationContainer>
17       <Stack.Navigator initialRouteName="Start">
18         <Stack.Screen name="Start" component={StartScreen} />
19         <Stack.Screen name="Login" component={LoginScreen} />
20         <Stack.Screen name="Home" component={HomeScreen} />
21         <Stack.Screen name="sign" component={SignUpscreen} />
22         <Stack.Screen name="AccountSummary" component={AccountSummary} />
23         <Stack.Screen name="transfer" component={TransferServices} />
24         <Stack.Screen name="payment" component={PaymentServices} />
25       </Stack.Navigator>
26     </NavigationContainer>
27   );
28 };
29
30 export default App;
```

Start

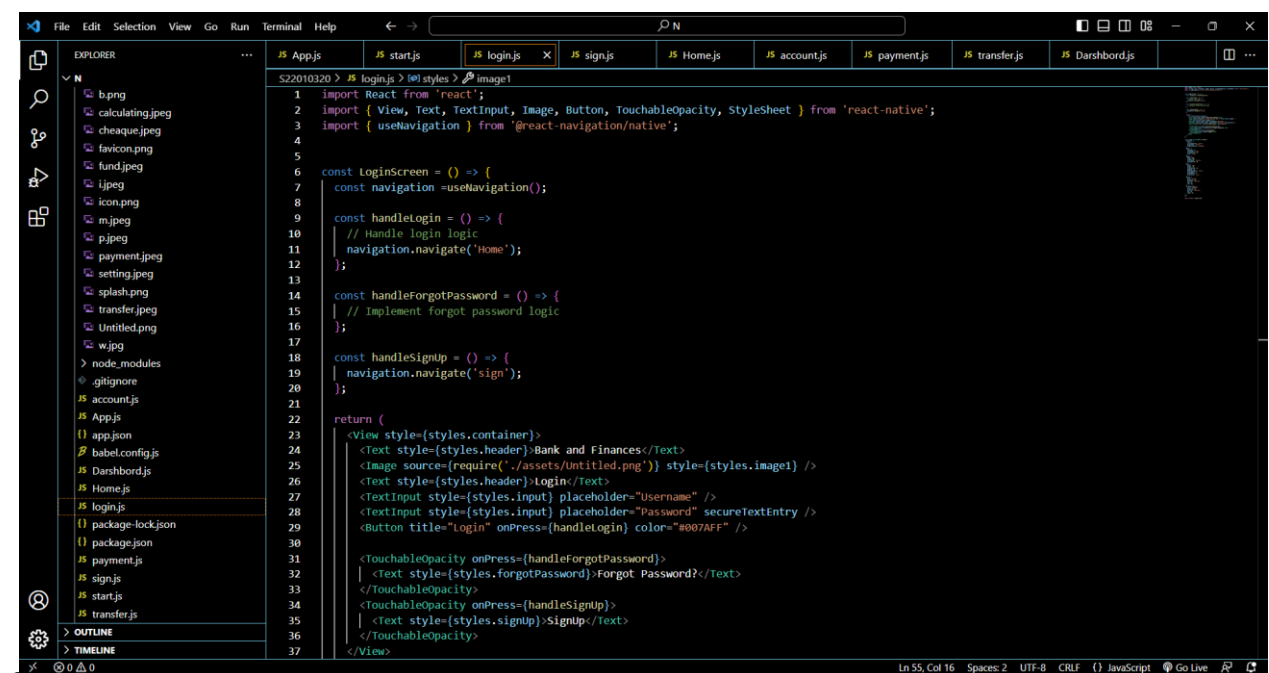


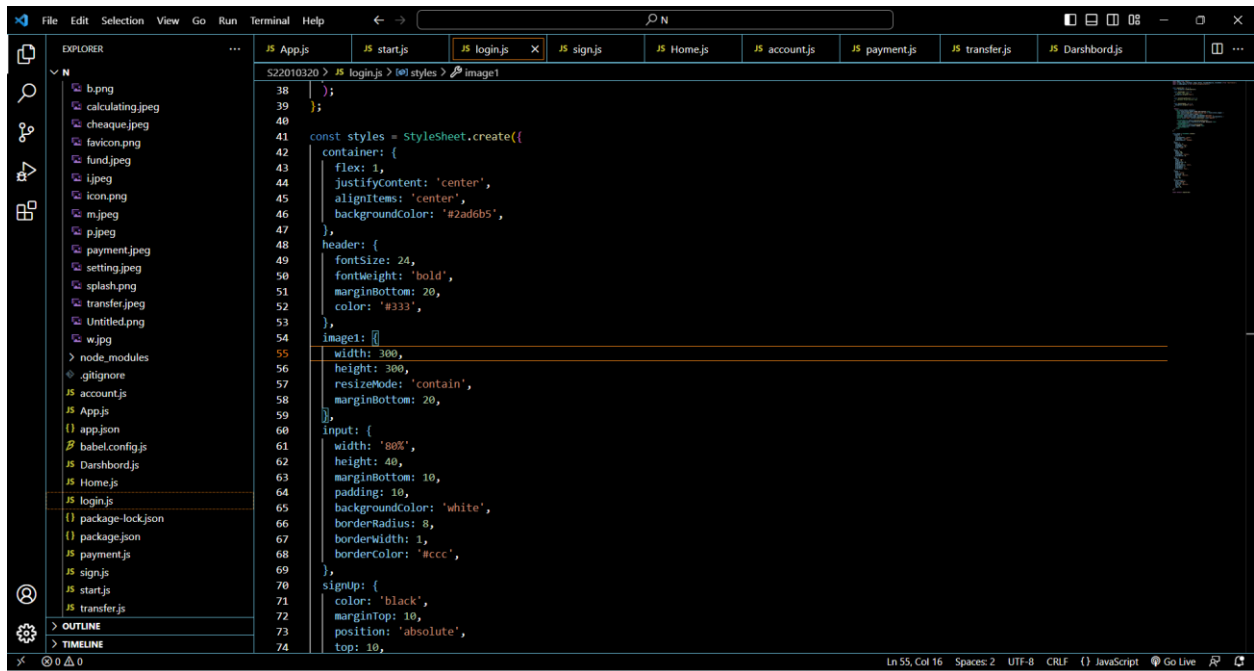
The screenshot shows the VS Code editor with the 'start.js' file open. The Explorer sidebar on the left is the same as in the previous screenshot. The main editor area shows the following code:

```
1 import React from 'react';
2 import { View, Text, Image, TouchableOpacity, StyleSheet } from 'react-native';
3 import { useNavigation } from '@react-navigation/native';
4
5 const StartScreen = () => {
6   const navigation = useNavigation();
7
8   const handleLoginPress = () => {
9     navigation.navigate('Login');
10   };
11
12   return (
13     <View style={styles.container}>
14       <Image source={require('../assets/w.jpg')} style={styles.backgroundImage} />
15       <TouchableOpacity style={styles.button} onPress={handleLoginPress}>
16         <Text style={styles.buttonText}>Welcome to Bank and Finance</Text>
17       </TouchableOpacity>
18     </View>
19   );
20 };
21
22 const styles = StyleSheet.create({
23   container: {
24     flex: 1,
25     justifyContent: 'center',
26     alignItems: 'center',
27     backgroundColor: 'lightcyan',
28     padding: 20,
29   },
30   backgroundImage: {
31     position: 'absolute',
32     width: '120%',
33     height: '110%',
34     resizeMode: 'cover',
35   },
36   button: {
37     width: 100px,
38     height: 40px,
39     backgroundColor: 'black',
40     color: 'white',
41     display: 'flex',
42     align-items: 'center',
43     justify-content: 'center',
44     borderRadius: 10,
45   },
46 });
```

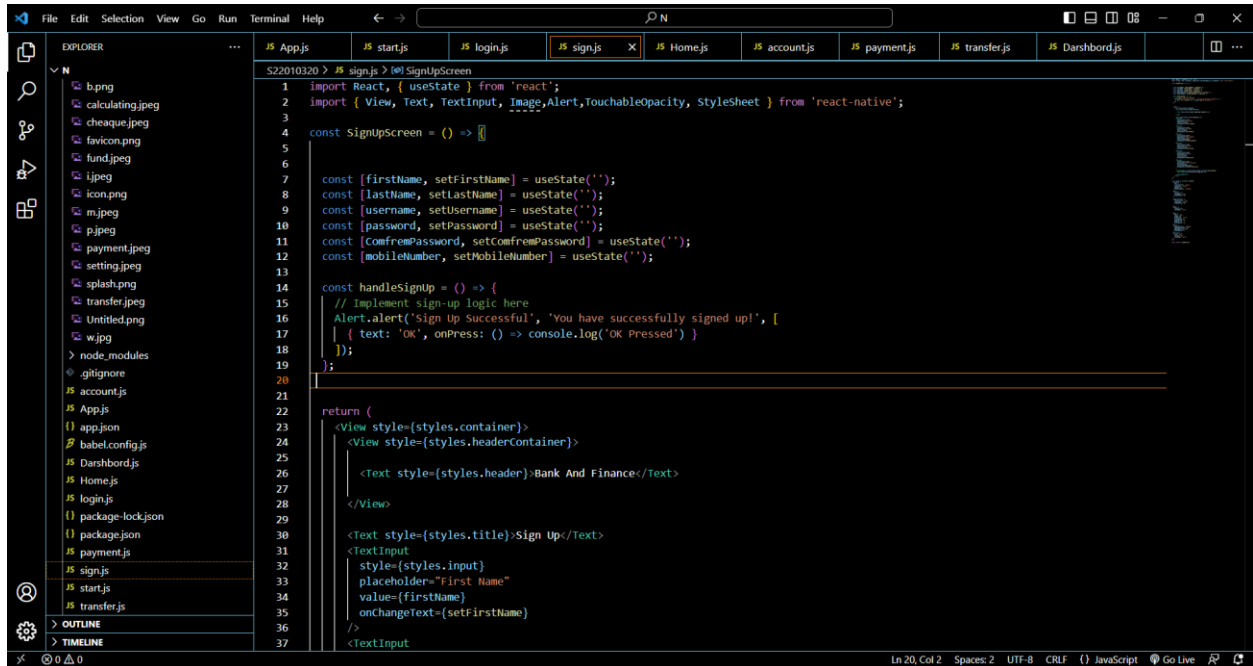


Login

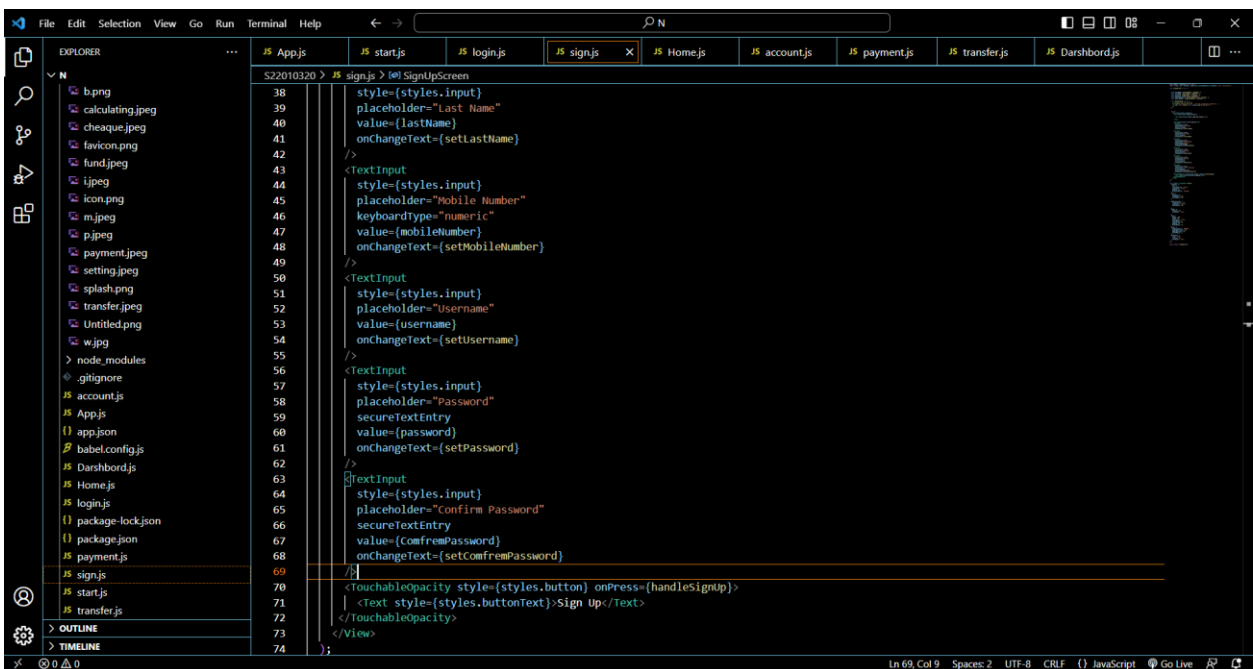




Sign



```
1 import React, { useState } from 'react';
2 import { View, Text, TextInput, Image, Alert, TouchableOpacity, StyleSheet } from 'react-native';
3
4 const SignUpScreen = () => {
5
6   const [firstName, setFirstName] = useState('');
7   const [lastName, setLastName] = useState('');
8   const [username, setUsername] = useState('');
9   const [password, setPassword] = useState('');
10  const [confirmPassword, setConfirmPassword] = useState('');
11  const [mobileNumber, setMobileNumber] = useState('');
12
13  const handleSignUp = () => {
14    // Implement sign-up logic here
15    Alert.alert('Sign Up Successful', 'You have successfully signed up!', [
16      { text: 'OK', onPress: () => console.log('OK Pressed') }
17    ]);
18  };
19
20
21
22  return (
23    <View style={styles.container}>
24      <View style={styles.headerContainer}>
25        <Text style={styles.header}>Bank And Finance</Text>
26      </View>
27      <Text style={styles.title}>Sign Up</Text>
28      <TextInput
29        style={styles.input}
30        placeholder="First Name"
31        value={firstName}
32        onChangeText={setFirstName}
33      />
34      <TextInput
35        style={styles.input}
36        placeholder="Last Name"
37        value={lastName}
38        onChangeText={setLastName}
39      />
40      <TextInput
41        style={styles.input}
42        placeholder="Mobile Number"
43        keyboardType="numeric"
44        value={mobileNumber}
45        onChangeText={setMobileNumber}
46      />
47      <TextInput
48        style={styles.input}
49        placeholder="Username"
50        value={username}
51        onChangeText={setUsername}
52      />
53      <TextInput
54        style={styles.input}
55        placeholder="Password"
56        secureTextEntry
57        value={password}
58        onChangeText={setPassword}
59      />
60      <TextInput
61        style={styles.input}
62        placeholder="Confirm Password"
63        secureTextEntry
64        value={confirmPassword}
65        onChangeText={setConfirmPassword}
66      />
67      <TouchableOpacity style={styles.button} onPress={handleSignUp}>
68        <Text style={styles.buttonText}>Sign Up</Text>
69      </TouchableOpacity>
70    </View>
71  );
72 }
```



```
38 style={styles.input}
39 placeholder="Last Name"
40 value={lastName}
41 onChangeText={setLastName}
42 />
43 <TextInput
44 style={styles.input}
45 placeholder="Mobile Number"
46 keyboardType="numeric"
47 value={mobileNumber}
48 onChangeText={setMobileNumber}
49 />
50 <TextInput
51 style={styles.input}
52 placeholder="Username"
53 value={username}
54 onChangeText={setUsername}
55 />
56 <TextInput
57 style={styles.input}
58 placeholder="Password"
59 secureTextEntry
60 value={password}
61 onChangeText={setPassword}
62 />
63 <TextInput
64 style={styles.input}
65 placeholder="Confirm Password"
66 secureTextEntry
67 value={confirmPassword}
68 onChangeText={setConfirmPassword}
69 />
70 <TouchableOpacity style={styles.button} onPress={handleSignUp}>
71   <Text style={styles.buttonText}>Sign Up</Text>
72 </TouchableOpacity>
73 </View>
74 );
75 }
```

The screenshot shows the VS Code editor with the Explorer sidebar on the left displaying a file tree. The file 'sign.js' is selected. The main editor area shows the following code:

```
114 paddingVertical: 10,  
115 borderRadius: 5,  
116 },  
117 buttonText: {  
118   color: 'fff',  
119   fontSize: 16,  
120   fontWeight: 'bold',  
121 },  
122 });  
123  
124 export default SignUpScreen;  
125  
126
```

Home

The screenshot shows the VS Code editor with the Explorer sidebar on the left displaying a file tree. The file 'Home.js' is selected. The main editor area shows the following code:

```
1 import React from 'react';  
2 import { View, Text, ScrollView, StyleSheet, TouchableOpacity, Image } from 'react-native';  
3 import { useNavigation } from '@react-navigation/native';  
4  
5 const FeatureBox = ({ imageSource, title, onPress }) => {  
6   return (  
7     <TouchableOpacity onPress={onPress} style={styles.featureBox}>  
8       <Image source={imageSource} style={styles.featureImage} />  
9       <Text style={styles.featureTitle}>{title}</Text>  
10    </TouchableOpacity>  
11  );  
12 };  
13  
14 const DashboardItem = ({ title, value, onPress }) => {  
15   return (  
16     <TouchableOpacity onPress={onPress} style={styles.dashboardItem}>  
17       <Text style={styles.dashboardTitle}>{title}</Text>  
18       <Text style={styles.dashboardValue}>{value}</Text>  
19     </TouchableOpacity>  
20   );  
21 };  
22  
23 const HomeScreen = () => {  
24   const navigation = useNavigation(); // Initialize navigation  
25  
26   const handleFeaturePress = () => {  
27     navigation.navigate('AccountSummary'); // Navigate to 'AccountSummary' screen  
28     // Implement your navigation or action here  
29   };  
30  
31   const handleTransferPress = () => {  
32     navigation.navigate('transfer');  
33   };  
34  
35   const handlePaymentPress = () => {  
36     navigation.navigate('payment');  
37   };  
38  
39   return (  
40     <ScrollView contentContainerStyle={styles.container}>  
41       <Text style={styles.title}>Bank and Finance</Text>  
42     </ScrollView>  
43   );  
44 };
```

```
38 <View style={styles.cornerDashboardContainer}>
39   <DashboardItem title="" onPress={handleFeaturePress}>
40   </DashboardItem>
41 </View>
42
43   {/* Add more corner dashboard items here */}
44 </View>
45 <View style={styles.featureContainer}>
46   <FeatureBox
47     imageSource={require('../assets/Untitled.png')}
48     title="Account Summery"
49     onPress={handleFeaturePress}
50   </FeatureBox>
51   <FeatureBox
52     imageSource={require('../assets/transfer.jpeg')}
53     title="Transfer Services"
54     onPress={handleTransferPress}
55   </FeatureBox>
56   <FeatureBox
57     imageSource={require('../assets/payment.jpeg')}
58     title="Pymment Services"
59     onPress={handlePaymentPress}
60   </FeatureBox>
61   <FeatureBox
62     imageSource={require('../assets/cheaque.jpeg')}
63     title="Cheque Services"
64     onPress={handleFeaturePress}
65   </FeatureBox>
66   <FeatureBox
67     imageSource={require('../assets/m.jpeg')}
68     title="Pawing Services"
69     onPress={handleFeaturePress}
70   </FeatureBox>
71   <FeatureBox
72     imageSource={require('../assets/calculating.jpeg')}
73     title="Personal Calculator"
74     onPress={handleFeaturePress}
75   </FeatureBox>
76 </View>
```

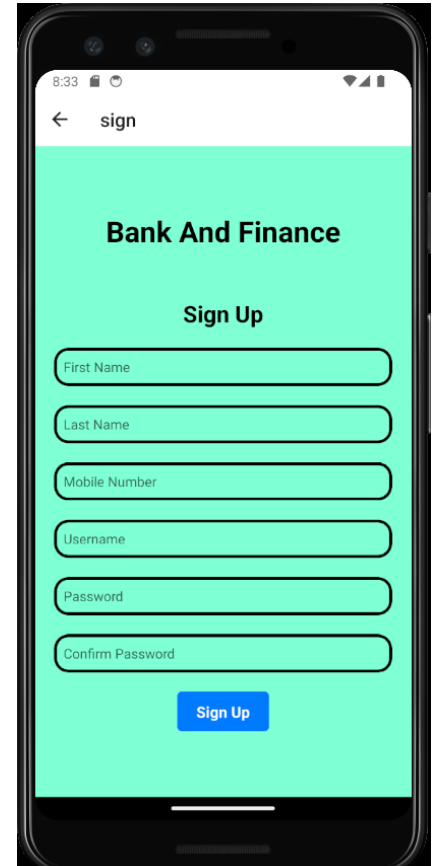
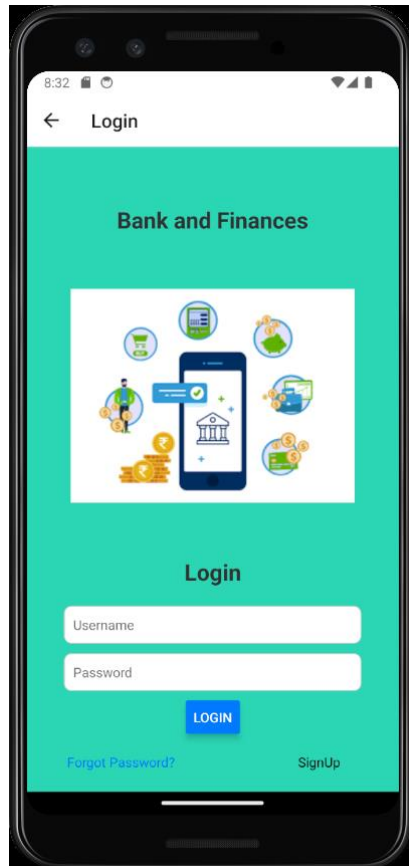
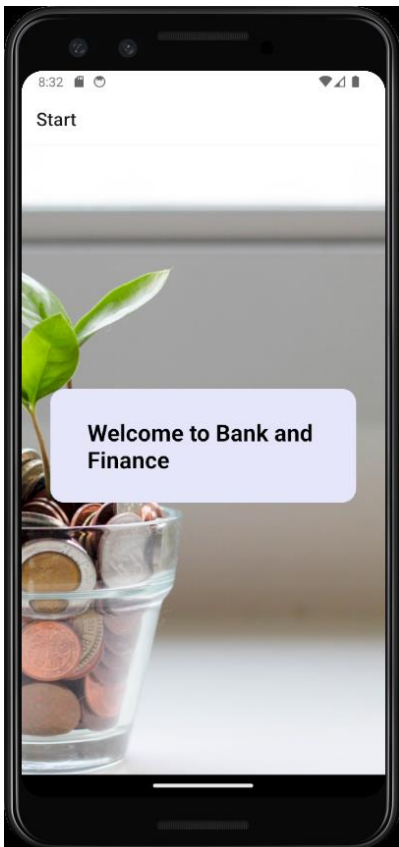
```
75 </FeatureBox>
76 </FeatureBox>
77 </FeatureBox>
78 </FeatureBox>
79 </FeatureBox>
80 </FeatureBox>
81 </FeatureBox>
82 </FeatureBox>
83 </FeatureBox>
84 </FeatureBox>
85 </FeatureBox>
86 </FeatureBox>
87 </FeatureBox>
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107 </FeatureBox>
108 </FeatureBox>
109 </FeatureBox>
110 </FeatureBox>
111 </FeatureBox>
```

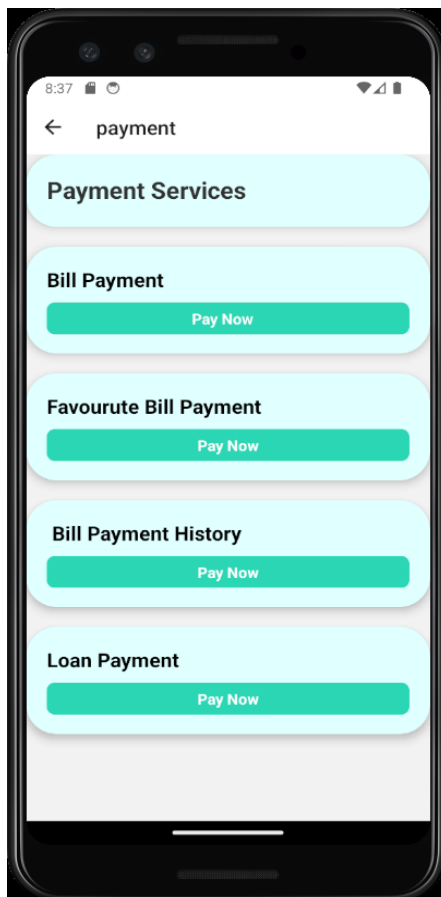
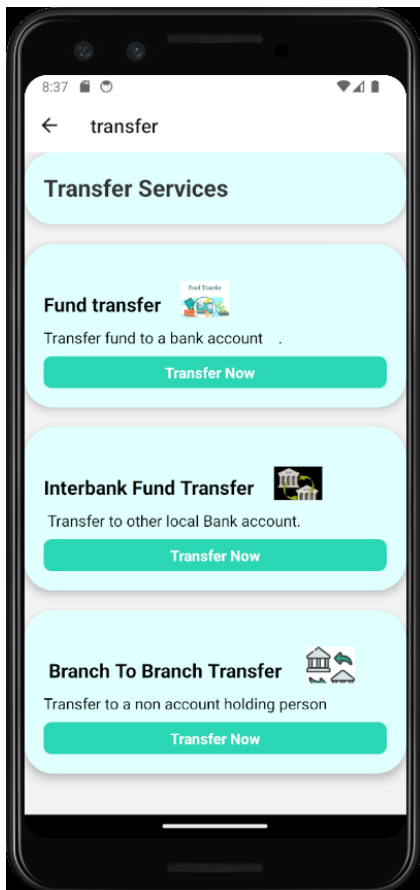
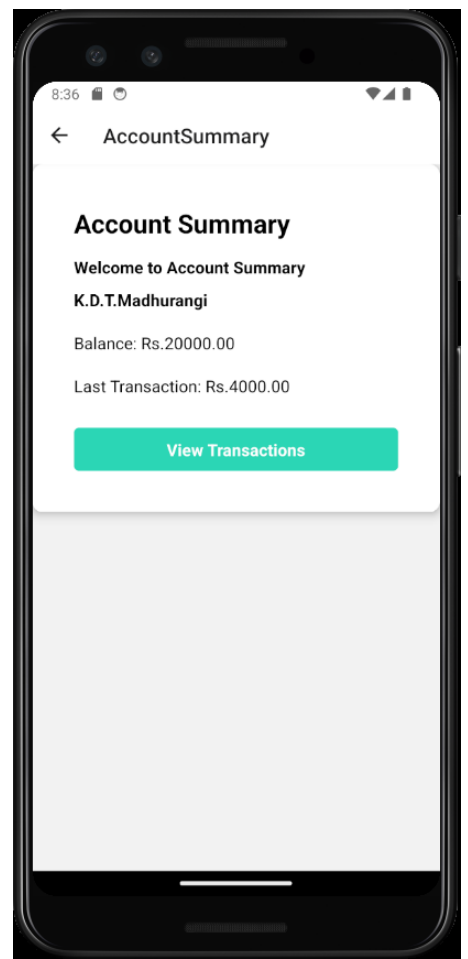
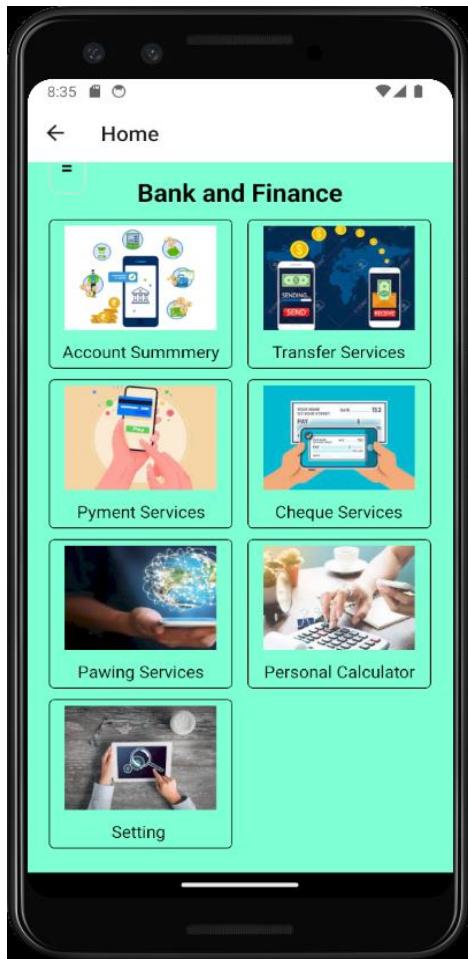
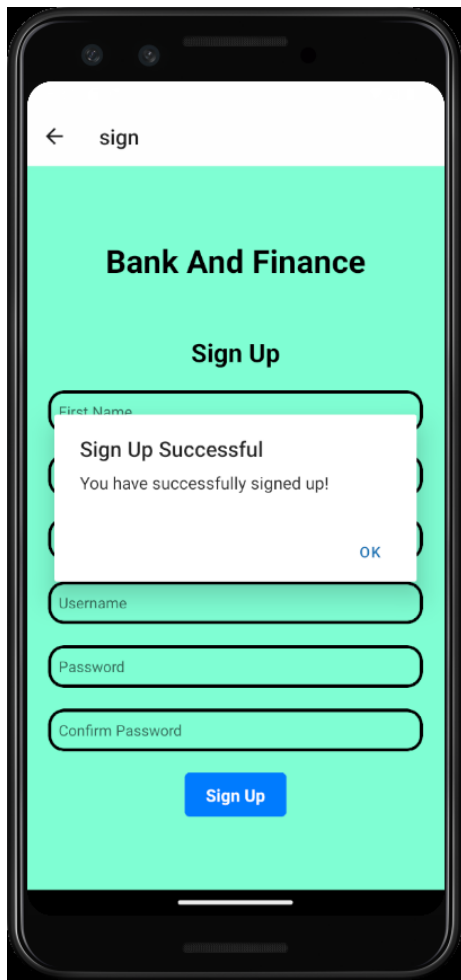
```

File Edit Selection View Go Run Terminal Help
N
EXPLORER
  b.png
  calculating.jpeg
  cheque.jpeg
  favicon.png
  fund.jpeg
  i.jpeg
  icon.png
  m.jpeg
  p.jpeg
  payment.jpeg
  setting.jpeg
  splash.png
  transfer.jpeg
  Untitled.png
  w.jpg
  > node_modules
  .gitignore
  .account.js
  .App.js
  .app.json
  .babel.config.js
  .Dashboard.js
  .Home.js
  .login.js
  .package-lock.json
  .package.json
  .payment.js
  .sign.js
  .start.js
  .transfer.js
  > OUTLINE
  > TIMELINE
  522010320 > JS Home.js > 90 HomeScreen
112 dashboardItem: {
113   alignItems: 'center',
114   borderWidth: 1,
115   borderColor: '#ddd',
116   borderRadius: 10,
117   padding: 10,
118   marginBottom: 1,
119 },
120 dashboardTitle: {
121   fontSize: 20,
122   fontWeight: 'bold',
123   marginBottom: 0.5,
124 },
125 dashboardValue: {
126   fontSize: 0.1,
127 },
128 featureBox: {
129   width: '48%', // Adjust this value to control the width of each feature box
130   marginBottom: 10,
131   borderColor: 'black',
132   borderWidth: 1,
133   borderRadius: 5,
134   padding: 5,
135   alignItems: 'center',
136 },
137 featureImage: {
138   width: 140,
139   height: 100,
140   marginBottom: 10,
141 },
142 featureTitle: {
143   fontSize: 16,
144   textAlign: 'center',
145 },
146 });
147
148 export default HomeScreen;
Ln 68, Col 33 Spaces: 2 UTF-8 CRLF {} JavaScript Go Live

```

Out put





```
Administrator: C:\WINDOWS\system32\cmd.exe
in View (created by Background)
in Background (created by CardStack)
in CardStack (created by HeaderShownContext)
in RNCSafeAreaProvider (created by SafeAreaProvider)
in SafeAreaProvider (created by SafeAreaInsetsContext)
in SafeAreaProviderCompat (created by StackView)
in RNGestureHandlerRootView (created by GestureHandlerRootView)
in GestureHandlerRootView (created by StackView)
in StackView (created by StackNavigator)
in PreventRemoveProvider (created by NavigationContent)
in NavigationContent
in Unknown (created by StackNavigator)
in StackNavigator (created by App)
in EnsureSingleNavigator
in BaseNavigationContainer
in ThemeProvider
in NavigationContainerInner (created by App)
in App (created by withDevTools(App))
in withDevTools(App)
in RCTView (created by View)
in View (created by AppContainer)
in RCTView (created by View)
in View (created by AppContainer)
in AppContainer
in main(RootComponent), js engine: hermes
> Reloading apps
Android Bundling complete 671ms
LOG OK Pressed
LOG OK Pressed
```

video clip

https://drive.google.com/file/d/1OSXX_7YrQV9GLtIUylpyNpwSQUQ971bw/view?usp=sharing