

## Tutorial 04

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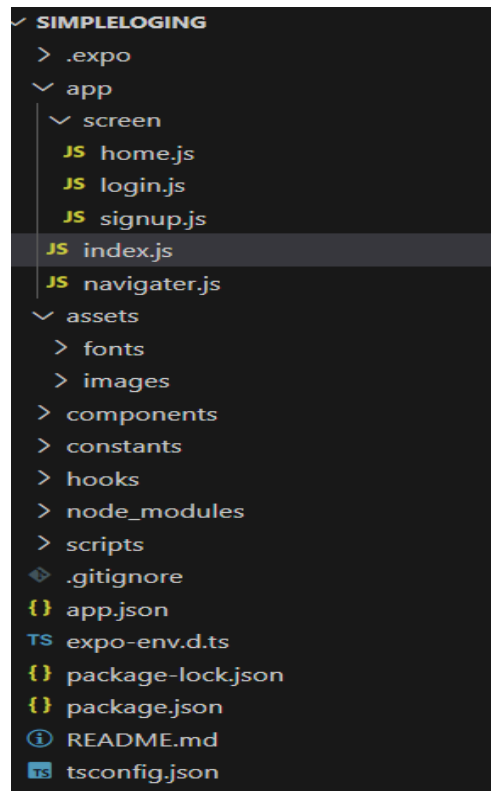
**Project Title:** React Native simple login application

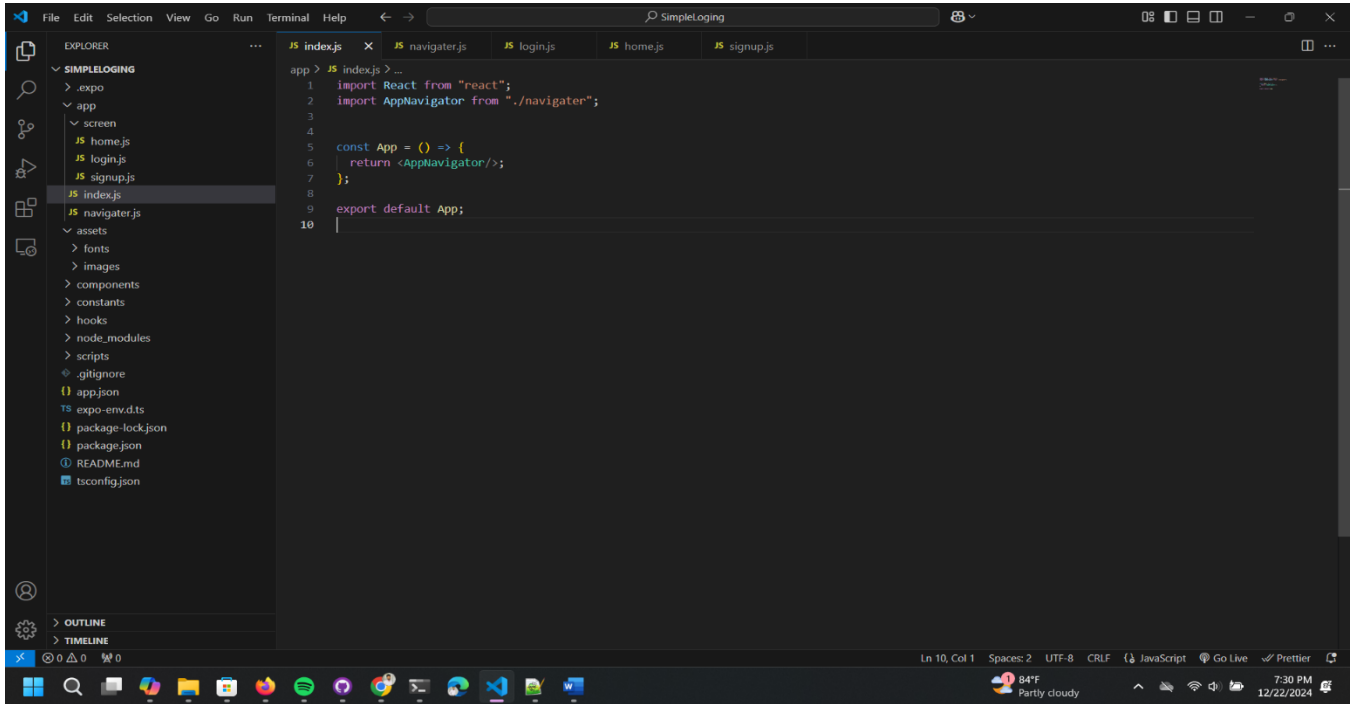
### Description

This project is a React Native simple login application that includes the following core features:

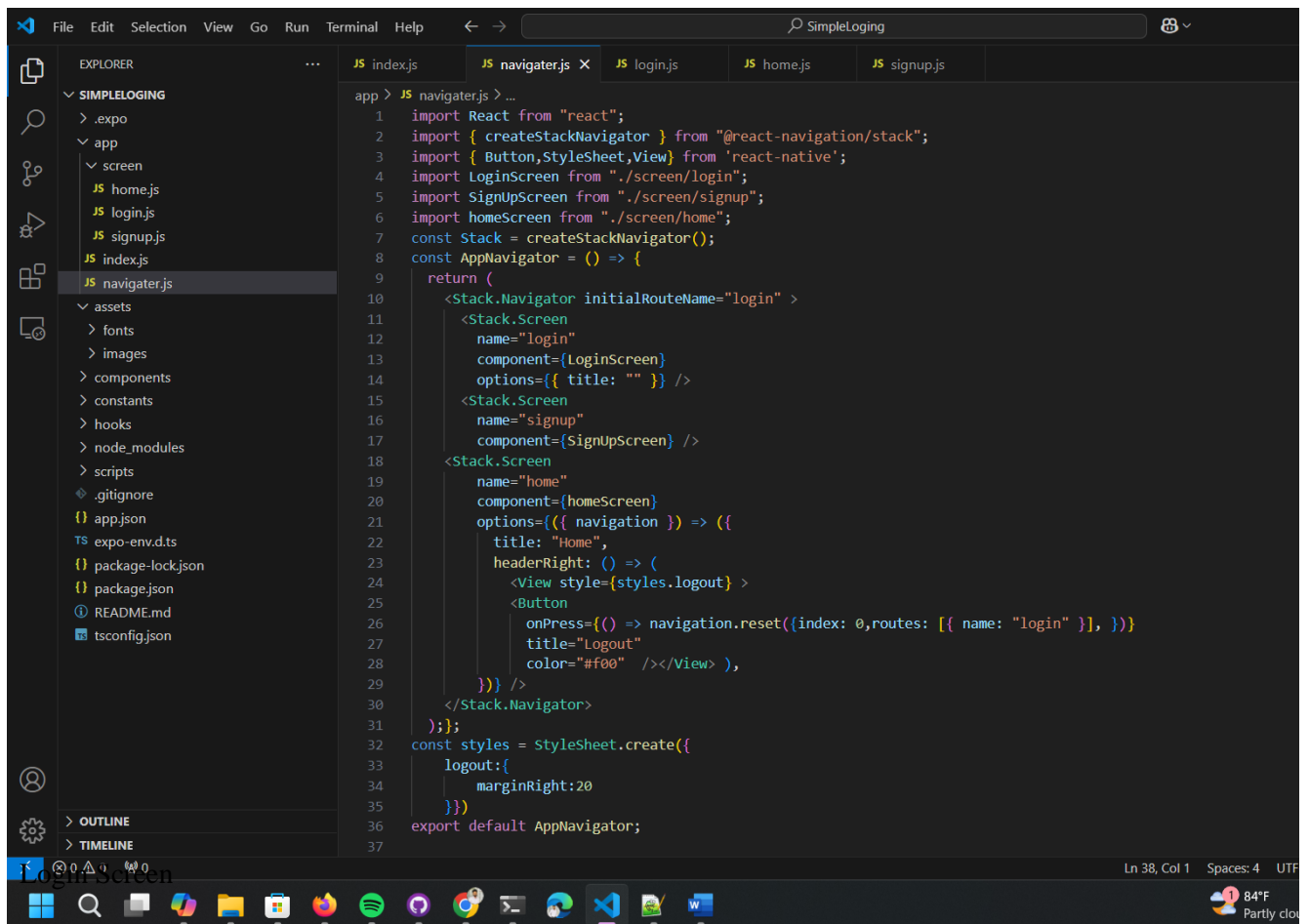
1. **Login Page:**
  - Allows users to log in using email and password.
  - Displays an error message if the credentials are incorrect.
2. **Signup Page:**
  - Enables new users to register with their email and password.
3. **Home Page:**
  - Displays user details after successful login.
4. **Index Page:**
  - Serves as the initial entry point for the app, providing navigation to other pages.
5. **Navigator Page:**
  - Handles app navigation, allowing users to switch between login, signup, and home pages seamlessly.

The project is built using React Native, with proper validation for login and signup forms. It includes error handling and user-friendly navigation.





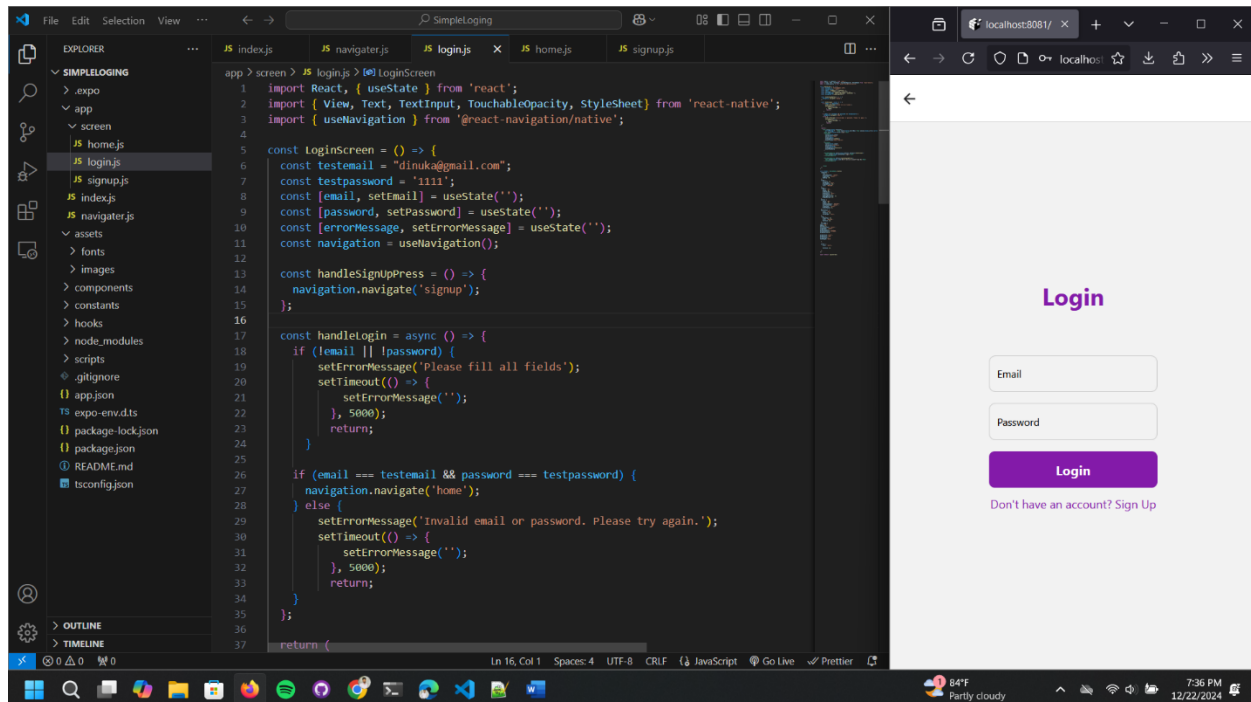
- Navigator.js – set initial router name as login page



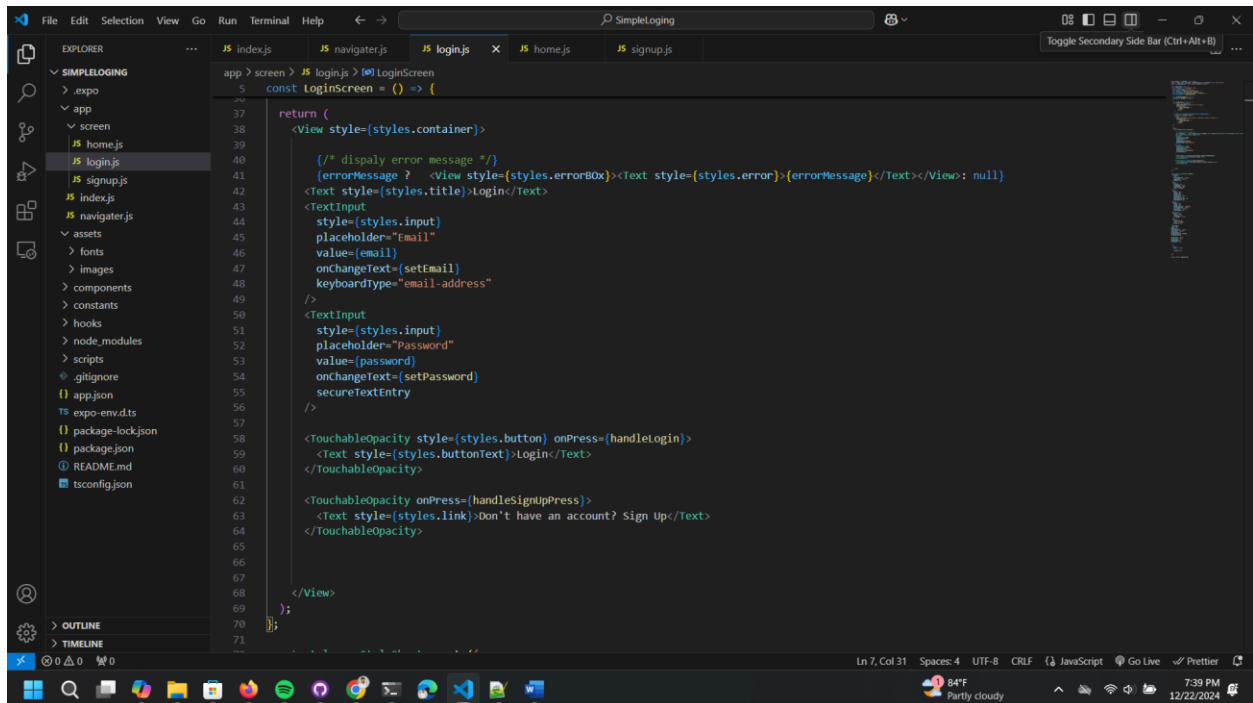
- Add logout button into home screen

```
<Stack.Screen
  name="home"
  component={homeScreen}
  options={({ navigation }) => ({
    title: "Home",
    headerRight: () => (
      <View style={styles.logout} >
        <Button
          onPress={() => navigation.reset({index: 0, routes: [{ name: "login" }], })}
          title="Logout"
          color="#f00" /></View> ),
      )
    )
  )} />
</Stack.Navigator>
);
```

## Login screen



## Login screen input fields



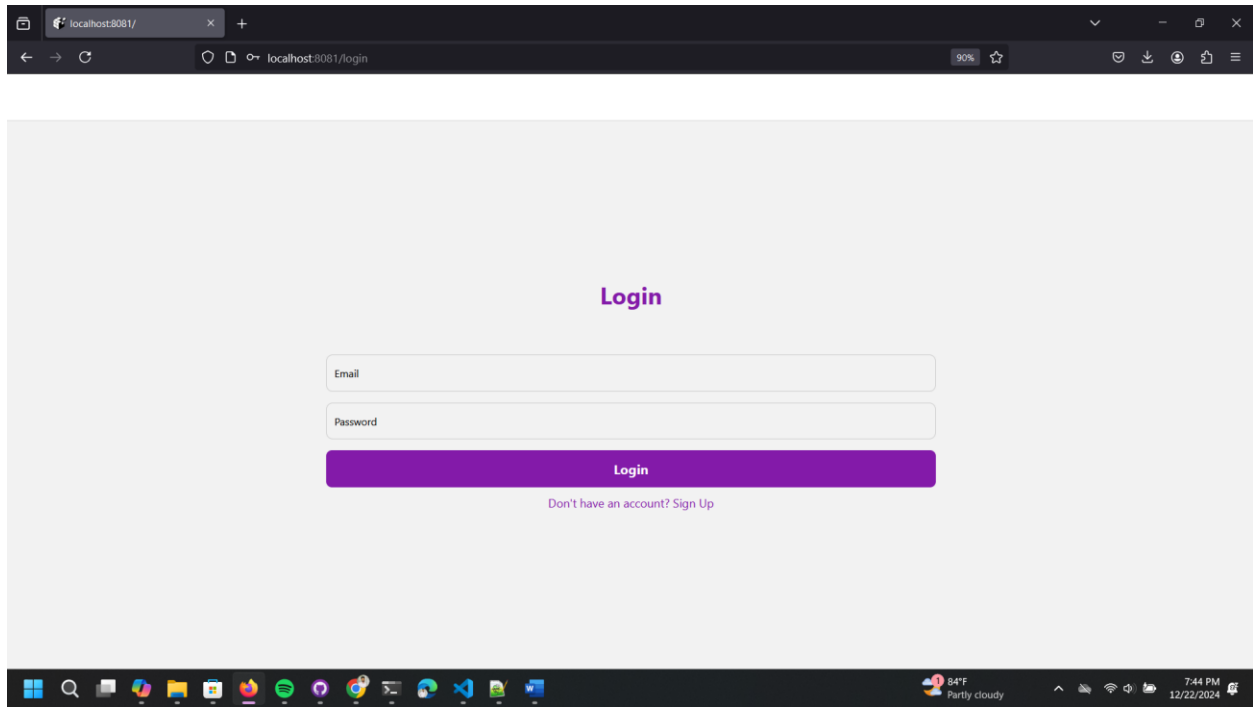
```
app > screen > JS login.js > LoginScreen
5  const LoginScreen = () => {
6
7  }
8
9  return (
10   <View style={styles.container}>
11     /* display error message */
12     {errorMessage ? <View style={styles.errorBox}><Text style={styles.error}>{errorMessage}</Text></View> : null}
13     <Text style={styles.title}>Login</Text>
14     <TextInput
15       style={styles.input}
16       placeholder="Email"
17       value={email}
18       onChangeText={setEmail}
19       keyboardType="email-address"
20     />
21     <TextInput
22       style={styles.input}
23       placeholder="Password"
24       value={password}
25       onChangeText={setPassword}
26       secureTextEntry
27     />
28     <TouchableOpacity style={styles.button} onPress={handleLogin}>
29       <Text style={styles.buttonText}>Login</Text>
30     </TouchableOpacity>
31     <TouchableOpacity onPress={handleSignUpPress}>
32       <Text style={styles.link}>Don't have an account? Sign Up</Text>
33     </TouchableOpacity>
34   </View>
35 );
36 }
```

## Login screen styling

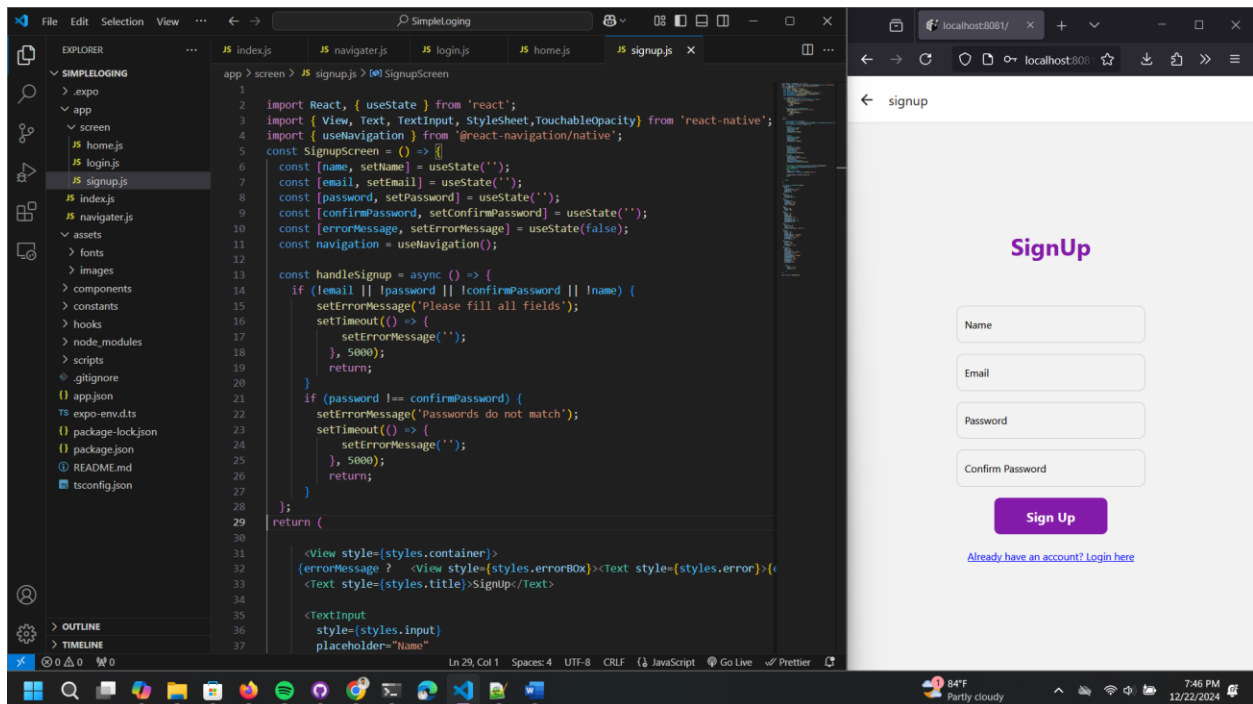
```
const styles = StyleSheet.create({
  container: {
    flex: 1,
    justifyContent: 'center',
    alignItems: 'center',
    padding: 20,
  },
  title: {
    fontSize: 32,
    fontWeight: 'bold',
    marginBottom: 60,
    color: '#831AA9',
  },
  input: {
    width: '50%',
    height: 50,
    borderWidth: 1,
    borderColor: '#ccc',
    borderRadius: 8,
    paddingHorizontal: 10,
    marginBottom: 15,
  },
  button: {
    width: '50%',
    height: 50,
    backgroundColor: '#831AA9',
    justifyContent: 'center',
    alignItems: 'center',
    borderRadius: 8,
  },
  buttonText: {
    color: 'fff',
    fontSize: 18,
    fontWeight: 'bold',
  },
});
```

```
    },
    link: {
      marginTop: 10,
      color: '#831AA9',
      fontSize: 16,
    },
    errorBox: {
      width: '50%',
      padding: 15,
      justifyContent: 'center',
      alignItems: 'center',
      borderRadius: 5,
      backgroundColor: '#FF0000',
      marginBottom: 80,
      borderStyle: 'solid',
      borderColor: 'red',
      borderWidth: 1,
      fontWeight: 'bold'
    },
    error: {
      color: 'white',
      fontSize: 18,
    },
  });
export default LoginScreen;
```

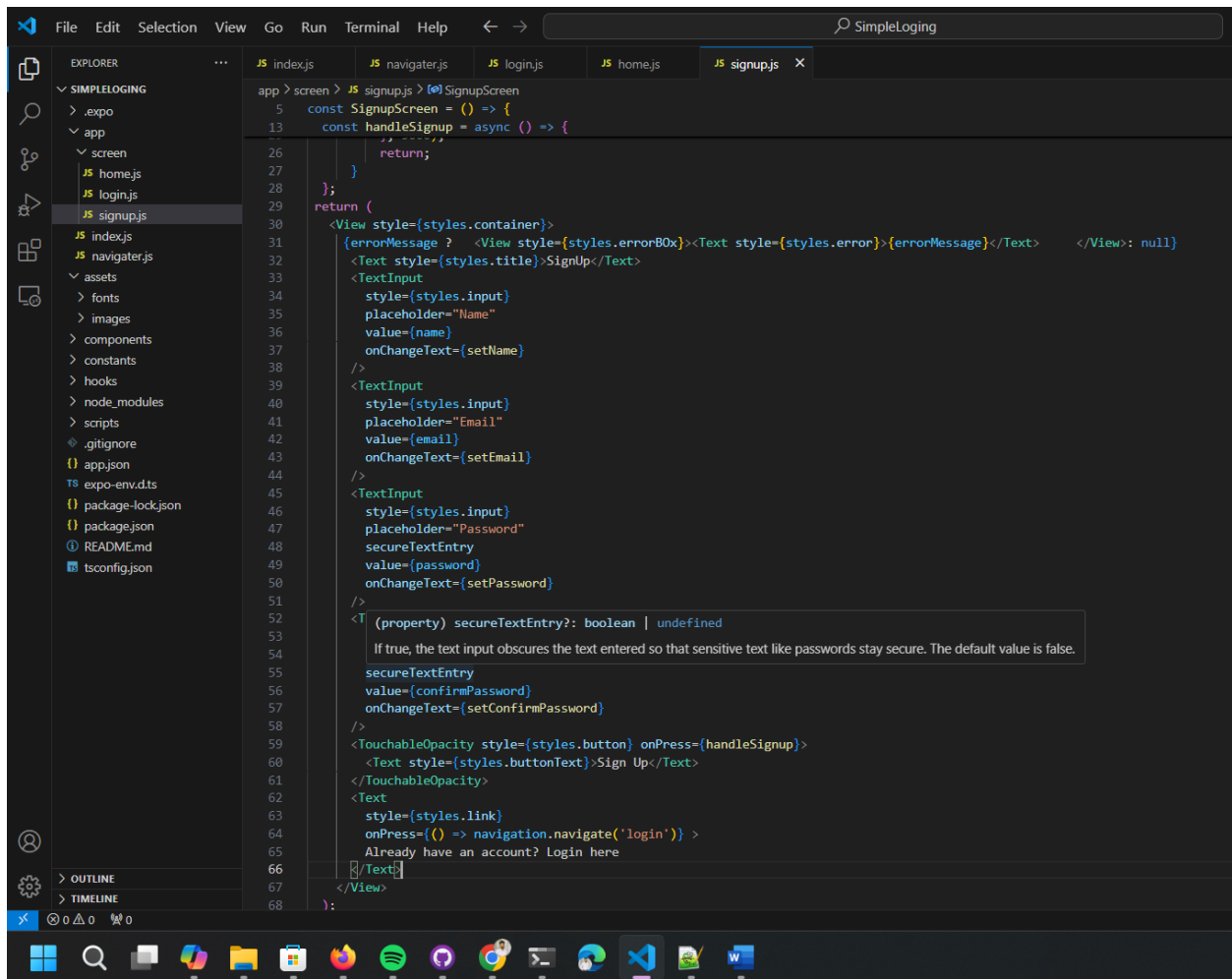
## Final look login screen



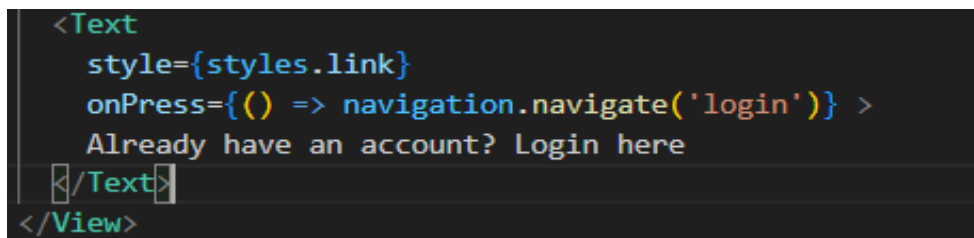
## Signup screen



## Signup screen



## Use navigate to login screen



## Signup screen styling

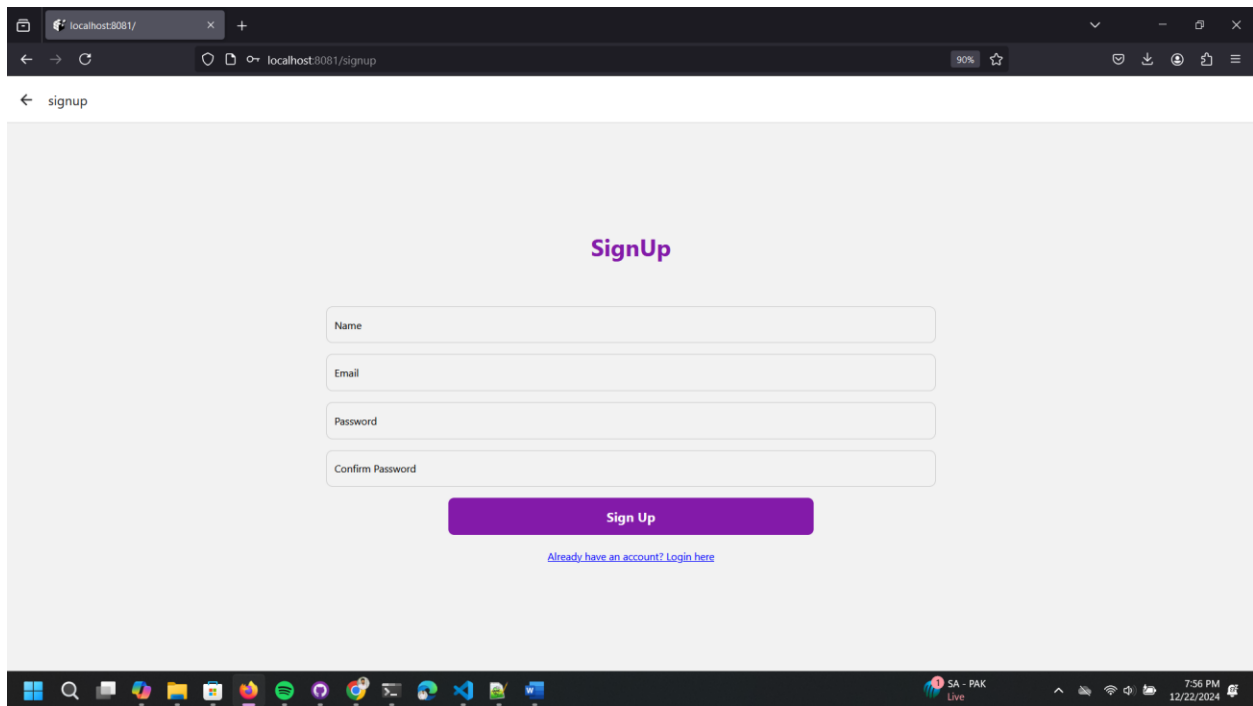
```
Go Run Terminal Help < ->
JS index.js JS navigator.js JS login.js
app > screen > JS signup.js > [0] SignupScreen
71 const styles = StyleSheet.create({
72   container: {
73     flex: 1,
74     justifyContent: 'center',
75     alignItems: 'center',
76     padding: 20,
77   },
78   title: {
79     fontSize: 24,
80     marginBottom: 20,
81   },
82   title: {
83     fontSize: 32,
84     fontWeight: 'bold',
85     marginBottom: 60,
86     color: '#831AA9',
87   },
88   logo: {
89     width: 150,
90     height: 150,
91   },
92   input: {
93     width: '50%',
94     height: 50,
95     borderWidth: 1,
96     borderColor: '#ccc',
97     borderRadius: 8,
98     paddingHorizontal: 10,
99     marginBottom: 15,
100  },
101  link: {
102    marginTop: 20,
103    color: 'blue',
104    textDecorationLine: 'underline',
105  },
106  button: {
107    width: '30%',
108    height: 50,
109    backgroundColor: '#831AA9',
110    justifyContent: 'center',
111    alignItems: 'center',
112    borderRadius: 8,
113  },
```

```
    borderRadius: 8,
  },
  buttonText: {
    color: '#fff',
    fontSize: 18,
    fontWeight: 'bold',
  },
  errorBox: {
    width: '50%',
    padding: 15,
    justifyContent: 'center',
    alignItems: 'center',
    borderRadius: 5,
    backgroundColor: '#FF0000',
    marginBottom: 80,
    borderStyle: 'solid',
    borderColor: 'red',
    borderWidth: 1,
    fontWeight: 'bold'
  },
  error: {
    color: 'white',
    fontSize: 18,
  },
});

export default SignupScreen;
```



## Final look signup screen



## Home screen

