MOBILE APPLICATION DEVELOPMENT
THEORY ASSIGNMENT 02

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CODE

```javascript
import React from "react";
import {
  View,
  ScrollView,
  Text,
  TouchableOpacity,
  TextInput,
  StyleSheet,
  Image,
  Button,
} from "react-native";
import { NavigationContainer } from "@react-navigation/native";
import { createDrawerNavigator } from "@react-navigation/drawer";
import { createStackNavigator } from "@react-navigation/stack";
import { createMaterialTopTabNavigator } from "@react-navigation/material-top-tabs";

const TopTab = createMaterialTopTabNavigator();
const Stack = createStackNavigator();
const Drawer = createDrawerNavigator();

function SigninScreen({ navigation }) {
  return (
    <View style={styles.container}>
      <Text style={styles.mainHeading}>Login</Text>
      <TextInput
        style={styles.inputFields}
        placeholder="Enter Your Email"
      ></TextInput>
      <TextInput
        style={styles.inputFields}
        placeholder="Enter Your Password"
      ></TextInput>
      <TouchableOpacity onPress={() => navigation.navigate("Home")}>
        <Text style={styles.signinbtn}>Login</Text>
      </TouchableOpacity>
    </View>
  );
}
```

```jsx
function HomeScreen() {
  return (
    <Drawer.Navigator initialRouteName="DrawerHome">
      <Drawer.Screen
        name="DrawerHome"
        component={DrawerHomeScreen}
        options={{ title: "Social Apps", headerTintColor: "crimson" }}
      />
      <Drawer.Screen name="Instagram" component={InstagramScreen} />
    </Drawer.Navigator>
  );
}

function DrawerHomeScreen() {
  return (
    <View style={styles.container}>
      <Text style={styles.homeText}>Connects your friends and family</Text>
    </View>
  );
}

function InstagramScreen() {
  return (
    <TopTab.Navigator initialRouteName="Home">
      <TopTab.Screen name="Home" component={InstaHome}></TopTab.Screen>
      <TopTab.Screen name="Search" component={SearchScreen}></TopTab.Screen>
      <TopTab.Screen
        name="Profile"
        component={InstagramProfile}
      ></TopTab.Screen>
    </TopTab.Navigator>
  );
}

function InstaHome() {
  return (
    <ScrollView style={{ margin: "20px" }}>
      <Text style={{ fontSize: 32, fontStyle: "italic", fontWeight: "700" }}>
        Instagram
      </Text>

      <Image
        style={{
          width: 30,
          height: 30,
```

```
      position: "absolute",
      right: "45px",
      top: "7px",
    }}
    source={require("./assets/images/download.png")}
></Image>
<Image
    style={{
      width: 30,
      height: 30,
      position: "absolute",
      right: "5px",
      top: "7px",
      borderRadius: "100%",
    }}
    source={require("./assets/images/mesenger.png")}
></Image>

<View
    style={{
      flex: 1,
      flexDirection: "row",
      justifyContent: "space-around",
    }}
>
    <View style={{ marginTop: "15px" , alignItems: "center" }}>
      <View style={styles.dpContainer}>
        <Image
          style={{ width: "80px", height: "80px", borderRadius: "100%" }}
          source={require("./assets/images/aamir-DP.png")}
        ></Image>
      </View>
      <Text style={{ fontSize: "13px" }}>Your Story</Text>
    </View>

    <View style={{ marginTop: "15px" , alignItems: "center" }}>
      <Image
        style={{ width: "80px", height: "80px", borderRadius: "100%" }}
        source={require("./assets/images/elizabeth.jpg")}
      ></Image>
      <Text style={{ fontSize: "13px" }}>Elizabeth</Text>
    </View>
    <View style={{ marginTop: "15px" , alignItems: "center"}}>
    <View style={styles.dpContainer}>
      <Image
```

```jsx
            style={{ width: "80px", height: "80px", borderRadius: "100%" }}
            source={require("./assets/images/Alexis.jpg")}
          ></Image>
        </View>
        <Text style={{ fontSize: "13px" }}>Alexis</Text>
      </View>
      <View style={{ marginTop: "15px" , alignItems: "center"}}>
        <View style={styles.dpContainer}>
          <Image
            style={{ width: "80px", height: "80px", borderRadius: "100%" }}
            source={require("./assets/images/elizabeth.jpg")}
          ></Image>
        </View>
        <Text style={{ fontSize: "13px" }}>Elizabeth</Text>
      </View>
    </View>

    <View style={{ marginTop: "15px" }}>

      <Image
        style={{ width: 40, height: 40, borderRadius: "100%" }}
        source={require("./assets/images/elizabeth.jpg")}
      ></Image>
      <Text style={{ position: "absolute", left: "50px", top: "8px" }}>
        Elizabeth
      </Text>
      <Text
        style={{
          position: "absolute",
          right: "32px",
          top: "-10px",
          fontSize: "30px",
        }}
      >
        ...
      </Text>
      <Image
        style={{ width: "100%", height: "400px", marginTop: "10px" }}
        source={require("./assets/images/blind-dog.jpg")}
      ></Image>

      <TouchableOpacity
        style={{
          flex: 1,
          flexDirection: "row",
```

```
            justifyContent: "space-around",
            alignItems: "center",
            borderWidth: 1,
            backgroundColor: "crimson",
          }}
        >
          <Text
            style={{
              fontWeight: "bold",
              color: "#fff",
              padding: "3px",

              width: "120px",
              textAlign: "center",
            }}
          >
            Like
          </Text>
          <Text
            style={{
              fontWeight: "bold",
              color: "#fff",
              padding: "3px",

              width: "120px",
              textAlign: "center",
            }}
          >
            Comment
          </Text>
        </TouchableOpacity>
      </View>

      <View style={{ marginTop: "15px" }}>
        <Image
          style={{ width: 40, height: 40, borderRadius: "100%" }}
          source={require("./assets/images/Alexis.jpg")}
        ></Image>
        <Text style={{ position: "absolute", left: "50px", top: "8px" }}>
          Alexis
        </Text>
        <Text
          style={{
            position: "absolute",
            right: "32px",
```

```
        top: "-12px",
        fontSize: "30px",
      }}
    >
      ...
  </Text>
  <Image
    style={{ width: "100%", height: "400px", marginTop: "10px" }}
    source={require("./assets/images/drake-meme.jpg")}
  ></Image>

  <TouchableOpacity
    style={{
      flex: 1,
      flexDirection: "row",
      justifyContent: "space-around",
      alignItems: "center",
      borderWidth: 1,
      backgroundColor: "crimson",
    }}
  >
      <Text
        style={{
          fontWeight: "bold",
          color: "#fff",
          padding: "3px",
          width: "120px",
          textAlign: "center",
        }}
      >
        Like
    </Text>
    <Text
      style={{
        fontWeight: "bold",
        color: "#fff",
        padding: "3px",
        width: "120px",
        textAlign: "center",
      }}
    >
        Comment
    </Text>
  </TouchableOpacity>
</View>
```

```jsx
<View style={{ marginTop: "15px" }}>
  <Image
    style={{ width: 40, height: 40, borderRadius: "100%" }}
    source={require("./assets/images/aamir-DP.png")}
  ></Image>
  <Text style={{ position: "absolute", left: "50px", top: "8px" }}>
    Aamir
  </Text>
  <Text
    style={{
      position: "absolute",
      right: "32px",
      top: "-12px",
      fontSize: "30px",
    }}
  >
    ...
  </Text>
  <Image
    style={{ width: "100%", height: "700px", marginTop: "10px" }}
    source={require("./assets/images/insta-posts.jpg")}
  ></Image>

  <TouchableOpacity
    style={{
      flex: 1,
      flexDirection: "row",
      justifyContent: "space-around",
      alignItems: "center",
      borderWidth: 1,
      backgroundColor: "crimson",
    }}
  >
    <Text
      style={{
        fontWeight: "bold",
        color: "#fff",
        padding: "3px",
        width: "120px",
        textAlign: "center",
      }}
    >
      Like
    </Text>
```

```
          <Text
            style={{
              fontWeight: "bold",
              color: "#fff",
              padding: "3px",
              width: "120px",
              textAlign: "center",
            }}
          >
            Comment
          </Text>
        </TouchableOpacity>
      </View>
    </ScrollView>
  );
}

function SearchScreen() {
  return (
    <ScrollView style={{ margin: "20px" }}>
      <TextInput
        placeholderTextColor={"grey"}
        placeholder="Search"
        style= {styles.searchBar}
      ></TextInput>

      <View style={styles.searchPicContainer}>
        <Image
          style={{ width: "50%" , height: "200px" }}
          source={require("./assets/images/fleets.jpg")}
        ></Image>
        <Image
          style={{ width: "50%" , height: "220px" }}
          source={require("./assets/images/drake-meme.jpg")}
        ></Image>
      </View>

      <View style={styles.searchPicContainer}>
        <Image
          style={{ width: "50%" , height: "250px" }}
          source={require("./assets/images/insta-posts.jpg")}
        ></Image>
        <Image
          style={{ width: "50%" , height: "200px"}}
          source={require("./assets/images/blind-dog.jpg")}
```

```jsx
          ></Image>
        </View>

        <View style={styles.searchPicContainer}>
          <Image
            style={{ width: "50%" , height: "200px"}}
            source={require("./assets/images/search-2.jpg")}
          ></Image>
          <Image
            style={{ width: "50%",  height: "300px" }}
            source={require("./assets/images/search-1.jpg")}
          ></Image>
        </View>
      </ScrollView>
  );
}

function InstagramProfile() {
  return (
    <ScrollView>
      <Text style={{fontSize: 23, fontWeight: "800" , marginTop: 10
,marginBottom: 10, marginLeft: 10}}>AamirHabib17</Text>
      <View style={{ flex: 1, flexDirection: "row" }}>
        <Image
          style={{ width: 80, height: 80 , marginLeft: 10 , borderRadius:
"100%"}}
          source={require("./assets/images/aamir-DP.png")}
        ></Image>
        <View style={{marginLeft: "25px" , flexDirection: "row"}}>
          <View style={{marginTop : "10px", marginLeft: "25px"}}>
            <Text style={{fontWeight: "500"}}>26</Text>
            <Text style={{fontWeight: "500"}}>Posts</Text>
          </View>
          <View style={{marginTop : "10px", marginLeft: "25px"}}>
            <Text style={{fontWeight: "500"}}>387</Text>
            <Text style={{fontWeight: "500"}}>Followers</Text>
          </View>
          <View style={{marginTop : "10px", marginLeft: "25px"}}>
            <Text style={{fontWeight: "500"}}>1,548</Text>
            <Text style={{fontWeight: "500"}}>Following</Text>
          </View>
          </View>
        </View>

        <View>
```

```jsx
        <Text style={{marginLeft: 10 , fontWeight: "500"}}>Aamir Habib</Text>
        <Text style={{marginLeft: 10 , fontWeight: "500"}}>Student</Text>
        <Text style={{marginLeft: 10 , fontWeight: "500"}}>Comsian</Text>
        <Text style={{marginLeft: 10 , fontWeight: "500"}}>Ex Fazaian</Text>
        <Text style={{marginLeft: 10 , fontWeight: "500"}}>Dream PMA</Text>
        <Text style={{marginLeft: 10 , fontWeight: "500"}}>Death Before
Disgrace</Text>
      </View>

    <TouchableOpacity
      style={{

        flexDirection: "row",
        justifyContent: "space-around",
        marginTop: 15,
        marginBottom: 15,
        backgroundColor: "black",
        height: 40,
        alignItems: "center"


      }}
    >
      <Text style={{color: "white"}}>Edit Profile</Text>
      <Text style={{color: "white"}}>Share Profile</Text>
    </TouchableOpacity>

    <View
      style={{
        flex: 1,
        flexDirection: "row",
        justifyContent: "space-around",
        marginTop : 5,
        marginBottom : 5
      }}
    >
      <Image
        style={{ width: "50%", height: "200px" }}
        source={require("./assets/images/aamir-2.png")}
      ></Image>
      <Image
        style={{ width: "50%", height: "200px" }}
        source={require("./assets/images/aamir-4.png")}
      ></Image>
    </View>
```

```jsx
    <View
      style={{
        flex: 1,
        flexDirection: "row",
        justifyContent: "space-around",
        marginTop : 5,
        marginBottom : 5
      }}
    >
      <Image
        style={{ width: "50%", height: "200px" }}
        source={require("./assets/images/aamir-3.png")}
      ></Image>
      <Image
        style={{ width: "50%", height: "200px" }}
        source={require("./assets/images/aamir-DP.png")}
      ></Image>
    </View>

    <View
      style={{
        flex: 1,
        flexDirection: "row",
        justifyContent: "space-around",
        marginTop : 5,
        marginBottom : 5
      }}
    >
      <Image
        style={{ width: "50%", height: "200px" }}
        source={require("./assets/images/aamir-2.png")}
      ></Image>
      <Image
        style={{ width: "50%", height: "200px" }}
        source={require("./assets/images/aamir-4.png")}
      ></Image>
    </View>
  </ScrollView>
  );
}

const App = () => {
  return (
    <NavigationContainer>
```

```jsx
      <Stack.Navigator
        initialRouteName="Signin"
        screenOptions={{
          headerStyle: {
            backgroundColor: "crimson",
            textAlign: "center",
            flex: 1,
          },
          headerTintColor: "#fff",
          headerTitleStyle: {
            textAlign: "center",
            fontWeight: "bold",
            fontFamily: "Cormorant",
            fontSize: 20,
          },
        }}
      >
        <Stack.Screen
          name="Signin"
          component={SigninScreen}
          options={{ title: "Login" }}
        ></Stack.Screen>
        <Stack.Screen name="Home" component={HomeScreen}></Stack.Screen>
      </Stack.Navigator>
    </NavigationContainer>
  );
};

export default App;

const styles = StyleSheet.create({
  container: {
    flex: 1,
    alignItems: "center",
    justifyContent: "center",
  },

  mainHeading: {
    fontSize: "70px",
    margin: "20px",
    fontWeight: "bold",
    fontFamily: "Cormorant",
  },

  inputFields: {
```

```
    margin: "20px",
    width: "70%",
    textAlign: "center",
    borderWidth: 2,
    padding: "12px",
    borderRadius: "20px",
    fontSize: "18px",
},

signinbtn: {
    width: "170px",
    textAlign: "center",
    backgroundColor: "crimson",
    padding: "10px",
    borderRadius: "20px",
    color: "#fff",
    fontSize: "22px",
    fontFamily: "Cormorant",
},

searchBar:
{
    width: "95%",
    borderRadius: "10px",
    borderColor: "grey",
    borderWidth: 1,
    height: 40,
    padding: 10,
    marginBottom: 10,
    color: "grey"
},

searchPicContainer:
{
    flex: 1,
    flexDirection: "row"
}
,

homeText: {
    fontSize: "30px",
    fontFamily: "Cormorant",
    margin: "17px",
    fontWeight: "bold",
    fontStyle: "italic",
```

```
    },

  dpContainer:
  {
    backgroundColor: "crimson",
    borderRadius: "100%",
    padding: 3
,  }

});
```
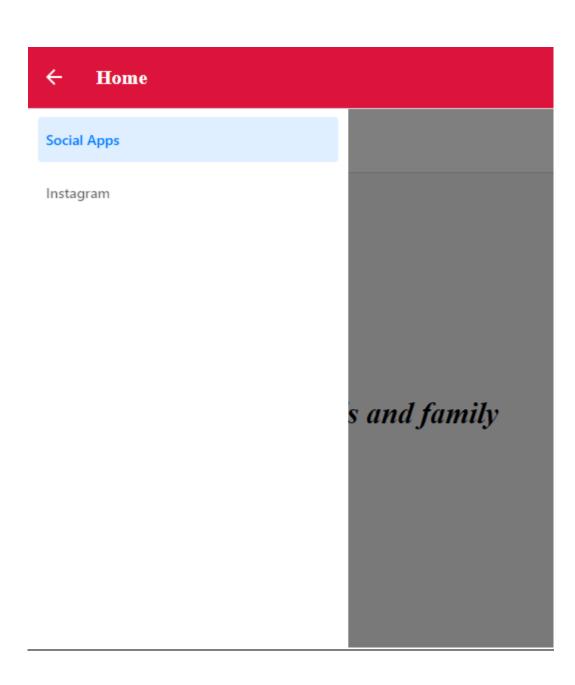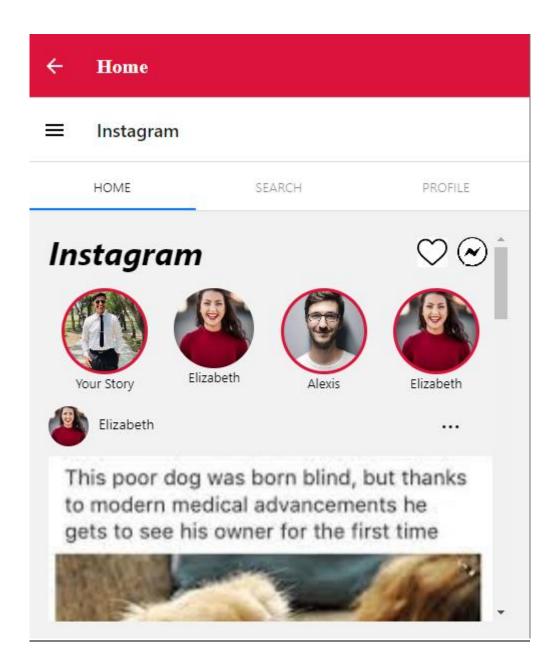
OUTPUT

Login

Enter Your Email

Enter Your Password

Login

☰ Social Apps

Connects your friends and family

Social Apps

Instagram

s and family

≡ Instagram

| HOME | SEARCH | PROFILE |

Instagram

♡ Ⓝ

Your Story   **Elizabeth**   **Alexis**   **Elizabeth**

Elizabeth   ...

This poor dog was born blind, but thanks
to modern medical advancements he
gets to see his owner for the first time