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**FA20-BCS-070**

**Mobile Application Development (MAD)**

**Assignment 4**

**Class: 6-B**

**Submitted to: Mr. Muhammad Kamran**

**Dated: 11<sup>th</sup> June, 2023**

## CODE

```
import React, { useState, useEffect } from "react";
import {
  Text,
  View,
  Button,
  StyleSheet,
  TouchableOpacity,
  Image,
  Alert,
} from "react-native";
import { NavigationContainer } from "@react-navigation/native";
import { createBottomTabNavigator } from "@react-navigation/bottom-tabs";
import { createDrawerNavigator } from "@react-navigation/drawer";
import { createNativeStackNavigator } from "@react-navigation/native-stack";
import { TextInput } from "react-native-gesture-handler";
import AsyncStorage from "@react-native-async-storage/async-storage";

// import { createMaterialTopTabNavigator } from '@react-navigation/material-
// top-tabs';

// const Tab = createMaterialTopTabNavigator();

const Drawer = createDrawerNavigator();
const Tab = createBottomTabNavigator();
const Stack = createNativeStackNavigator();

const styles = StyleSheet.create({
  container: {
    flex: 1,
    justifyContent: "center",
    alignItems: "center",
    backgroundColor: "#E2e2e2",
  },
  textstyle: {
    fontSize: 16,
    fontWeight: "bold",
    fontFamily: "monospace",
  },
  inputFeild: {
    paddingVertical: 6,
    borderColor: "black",
    borderWidth: 1,
    borderRadius: 6,
    borderStyle: "solid",
    width: 250,
  },
});
```

```
    marginVertical: 20,
    textAlign: "center",
    fontSize: 16,
  },
  buttonContainer: {
    marginTop: 20,
    backgroundColor: "#102030",
    width: 250,
    borderRadius: 8,
    padding: 8,
  },
  buttonText: {
    color: "white",
    textAlign: "center",
    fontFamily: "monospace",
    fontWeight: "bold",
  },
  heading: {
    fontSize: 24,
    fontWeight: "bold",
    marginBottom: 16,
    color: "#e6002f",
  },
  homeText: {
    fontSize: 16,
    marginTop: 8,
    textAlign: "center",
  },
  homeTextSubheading: {
    fontSize: 18,
    marginTop: 14,
    textAlign: "center",
    fontWeight: "bold",
    color: "#e6002f",
  },
  featureText: {
    fontSize: 16,
    marginTop: 8,
    fontWeight: "bold",
  },
  offerText: {
    fontSize: 16,
    marginTop: 8,
  },
  packageText: {
    fontSize: 16,
    marginTop: 8,
    fontWeight: "bold",
  },
```

```

    },
    heading1: {
      fontSize: 24,
      fontWeight: "bold",
      marginTop: 16,
    },
    historyText: {
      fontSize: 16,
      marginTop: 8,
    },
    usageText: {
      fontSize: 16,
      marginTop: 8,
      fontWeight: "bold",
    },
  },
});

export default function App() {
  return (
    <NavigationContainer>
      <Stack.Navigator>
        <Stack.Screen
          name="mainpage"
          component={MainPage}
          options={{
            title: "Welcome Back",
            headerStyle: {
              backgroundColor: "#e6002f",
            },
            headerTintColor: "white",
            headerTitleStyle: {
              fontFamily: "monospace",
              fontWeight: "bold",
            },
          }}
        />
        <Stack.Screen
          name="newaccountRegister"
          component={NewAccountPage}
          options={{
            title: "Register with New Number",
            headerStyle: {
              backgroundColor: "#e6002f",
            },
            headerTintColor: "white",
            headerTitleStyle: {
              fontFamily: "monospace",
              fontWeight: "bold",
            },
          }}
        />
      </Stack.Navigator>
    </NavigationContainer>
  );
}

```

```

        },
      }}
    />
    <Stack.Screen
      name="accountMainScreen"
      component={AccountMainScreen}
      options={{ headerShown: false }}
    />
    <Stack.Screen
      name="ExplorePage"
      component={ExplorePageComp}
      options={{ title: "This is Explore Page" }}
    ></Stack.Screen>
  </Stack.Navigator>
</NavigationContainer>
);
}

function MainPage({ navigation }) {
  const [checkPasword, SetCheckPassword] = useState('');
  const [checkPhone, SetCheckPhone] = useState('');

  const getItem = async () => {
    try {
      const serializedValue = await AsyncStorage.getItem("myKey");
      if (serializedValue !== null) {
        const value = JSON.parse(serializedValue);

        console.log("Item retrieved successfully:", value);

        if (checkPhone === value.Number && checkPasword === value.Password) {
          SetCheckPassword('');
          SetCheckPhone('');
          navigation.navigate("accountMainScreen");
        } else {
          console.log("Invalid Credentials");
        }
      } else {
        console.log("Item not found.");
      }
    } catch (error) {
      console.error("Error getting item :", error);
    }
  };

  return (
    <View style={styles.container}>
      <Image

```

```

        source={require("./assets/speed1.png")}
        style={{ width: 400, height: 150, marginBottom: 70 }}
    ></Image>
    <Text style={styles.textstyle}>Sign In With Number</Text>

    <TextInput
        style={styles.inputFeild}
        placeholder="03XXXXXXXX"
        value= {checkPhone}
        onChangeText={(newcheckN) => {
            SetCheckPhone(newcheckN);
        }}
    ></TextInput>

    <TextInput
        style={styles.inputFeild}
        placeholder="Password"
        value= {checkPasword}
        onChangeText={(newcheck) => {
            SetCheckPassword(newcheck);
        }}
    ></TextInput>

    <TouchableOpacity style={styles.buttonContainer} onPress={getItem}>
        <Text style={styles.buttonText}>Sign In</Text>
    </TouchableOpacity>

    <TouchableOpacity
        style={styles.buttonContainer}
        onPress={() => {
            navigation.navigate("newaccountRegister");
        }}
    >
        <Text style={styles.buttonText}>Register with New Number</Text>
    </TouchableOpacity>
</View>
);
}

function NewAccountPage({ navigation }) {
    const [registerNumber, setRegisterNumber] = useState("");
    const [registerEmail, setRegisterEmail] = useState("");
    const [registerPassword, setRegisterPassword] = useState("");

    const SetVALUE = async () => {
        console.log("PhoneNumber: ", registerNumber);
        console.log("Email: ", registerEmail);
        console.log("Password: ", registerPassword);
    }
}

```

```

if (
  registerNumber != null &&
  registerEmail != null &&
  registerPassword != null
) {
  const MyObject = {
    Number: registerNumber,
    Email: registerEmail,
    Password: registerPassword,
  };
  const SerializedValue = JSON.stringify(MyObject);

  try {
    await AsyncStorage.setItem("myKey", SerializedValue);
    console.log("Value Set Successfully");
    setRegisterEmail("");
    setRegisterNumber("");
    setRegisterPassword("");
  } catch (error) {
    console.log("Error Occurred:", error);
  }
} else {
  console.log("Null Values");
  Alert.alert("Values are Null");
}
};

const deleteItem = async () => {
  try {
    const serializedValue = await AsyncStorage.getItem("myKey");
    if (serializedValue != null) {
      await AsyncStorage.removeItem("myKey");
      console.log("Item deleted successfully.");
    } else {
      console.log("Value is Null");
    }
  } catch (error) {
    console.error("Error deleting item:", error);
  }
};

return (
  <View style={styles.container}>
    <Text style={styles.textstyle}>Register with New Number</Text>
    <TextInput
      style={styles.inputFeild}
      placeholder="03XXXXXXXXX"
    >

```

```

        value={registerNumber}
        onChangeText={(newNum) => setRegisterNumber(newNum)}
    ></TextInput>

    <TextInput
        style={styles.inputFeild}
        placeholder="Enter Your Email"
        value={registerEmail}
        onChangeText={(newEmail) => setRegisterEmail(newEmail)}
    ></TextInput>

    <TextInput
        style={styles.inputFeild}
        placeholder="Set Your Password"
        secureTextEntry={true}
        value={registerPassword}
        onChangeText={(newPass) => setRegisterPassword(newPass)}
    ></TextInput>

    <TouchableOpacity style={styles.buttonContainer}>
        <Text style={styles.buttonText} onPress={SetVALUE}>
            Register
        </Text>
    </TouchableOpacity>

    <TouchableOpacity style={styles.buttonContainer} onPress={deleteItem}>
        <Text style={styles.buttonText}>Delete</Text>
    </TouchableOpacity>

    <TouchableOpacity
        style={styles.buttonContainer}
        onPress={() => {
            navigation.navigate("mainpage");
        }}
    >
        <Text style={styles.buttonText}>Already a Member, Sign In</Text>
    </TouchableOpacity>
</View>
);
}

function AccountMainScreen() {
    return (
        <Tab.Navigator
            screenOptions={{
                tabBarStyle: { backgroundColor: "#102030" },
            }}
            tabBarOptions={{

```



```

        activeTintColor: "white",
        inactiveTintColor: "lightgrey",
    }}
    >
    <Tab.Screen
        name="Account_Home"
        component={AccountMain_Drawer}
        options={{ headerShown: false, title: "Home" }}
    ></Tab.Screen>

    <Tab.Screen
        name="Account_Offers"
        component={Offers_Drawers}
        options={{ headerShown: false, title: "Offers" }}
    ></Tab.Screen>
    <Tab.Screen
        name="Account_History"
        component={History_Drawer}
        options={{ headerShown: false, title: "History" }}
    ></Tab.Screen>
</Tab.Navigator>
);
}

const CustomDrawer = ({ navigation }) => {
    return (
        <View style={{ backgroundColor: "lightgrey", flex: 1 }}>
            <Text> </Text>
            <Text> </Text>
            <Text> </Text>
            <Button
                title="Home"
                onPress={() => navigation.navigate("Welcome")}
                color="#102030"
            />
            <Text> </Text>
            <Button
                title="Offers"
                onPress={() => navigation.navigate("Offers")}
                color="#102030"
            />
            <Text> </Text>
            <Button
                title="History"
                onPress={() => navigation.navigate("History")}
                color="#102030"
            />
            <Text> </Text>
        </View>
    );
}

```

```

        <Button
            title="Explore"
            onPress={() => navigation.navigate("ExplorePage")}
            color="#102030"
        />
    </View>
);
};

function AccountMain_Drawer({ navigation }) {
    return (
        <Drawer.Navigator
            drawerPosition="right"
            drawerContent={(props) => <CustomDrawer {...props} />}
        >
            <Drawer.Screen
                name="Welcome"
                component={AccountHomePage}
                options={{
                    title: "Welcome to Speed Link",
                    headerStyle: {
                        backgroundColor: "#e6002f",
                    },
                    headerTintColor: "white",
                    headerTitleStyle: {
                        fontFamily: "monospace",
                        fontWeight: "bold",
                    },
                    headerRight: () => (
                        <Button
                            onPress={() => navigation.navigate("mainpage")}
                            title="Sign Out"
                            color="#102030"
                        />
                    ),
                }}
            />
        </Drawer.Navigator>
    );
}

function Offers_Drawers() {
    return (
        <Drawer.Navigator
            drawerPosition="right"
            drawerContent={(props) => <CustomDrawer {...props} />}
        >
            <Drawer.Screen

```

```

        name="Offers"
        component={OffersPage}
        options={{
            title: "Offers",
            headerStyle: {
                backgroundColor: "#e6002f",
            },
            headerTintColor: "white",
            headerTitleStyle: {
                fontFamily: "monospace",
                fontWeight: "bold",
            },
            headerRight: () => (
                <Button
                    onPress={() => navigation.navigate("mainpage")}
                    title="Sign Out"
                    color="#102030"
                />
            ),
        }}
    />
</Drawer.Navigator>
);
}

function AccountHomePage() {
    return (
        <View style={styles.container}>
            <Text style={styles.heading}>
                Welcome to Speed Link - Unleash the Power of Lightning-Fast Internet!
            </Text>
            <Text style={styles.homeText}>
                We are the leading Internet Service Provider in town, providing
                high-speed and reliable internet connections to our customers.
            </Text>
            <Text style={styles.homeText}>
                With our state-of-the-art infrastructure and exceptional customer
                service, we strive to deliver the best internet experience to you.
            </Text>
            <Text style={styles.homeTextSubheading}>Our main Features
include:</Text>
            <Text style={styles.featureText}>
                - Blazing fast internet speeds up to 1 Gbps
            </Text>
            <Text style={styles.featureText}>
                - Unlimited data usage without any throttling
            </Text>
            <Text style={styles.featureText}>

```

```

        - Affordable packages tailored to your needs
    </Text>
    <Text style={styles.featureText}>
        - Advanced security measures to protect your online activities
    </Text>
    <Text style={styles.featureText}>
        - 24/7 customer support to assist you with any queries or concerns
    </Text>
    <Text style={styles.featureText}>
        - Easy installation and setup process for hassle-free connectivity
    </Text>
</View>
);
}

function OffersPage() {
    return (
        <View style={styles.container}>
            <Text style={styles.heading1}>Special Offers</Text>
            <Text style={styles.offerText}>
                1. Get 50% off on your first month's subscription.
            </Text>
            <Text style={styles.offerText}>
                2. Upgrade to a higher internet speed and get free installation.
            </Text>
            <Text style={styles.offerText}>
                3. Refer a friend and both of you will receive a discount on your
bills.
            </Text>
            <Text style={styles.offerText}>
                4. Enjoy unlimited data usage for the first three months.
            </Text>
            <Text style={styles.offerText}>
                5. Subscribe to our premium package and receive a free Wi-Fi router.
            </Text>
            <Text style={styles.offerText}>
                6. Participate in our online contest and stand a chance to win
exciting
                prizes.
            </Text>

            <Text style={styles.heading1}>Ongoing Packages</Text>
            <Text style={styles.packageText}>
                - Basic Package: 50 Mbps internet speed, unlimited data, $29.99 per
month
            </Text>
            <Text style={styles.packageText}>

```

```

        - Standard Package: 100 Mbps internet speed, unlimited data, $39.99
    per
        month
    </Text>
    <Text style={styles.packageText}>
        - Premium Package: 250 Mbps internet speed, unlimited data, $49.99 per
        month
    </Text>
    <Text style={styles.packageText}>
        - Ultimate Package: 500 Mbps internet speed, unlimited data, $59.99
    per
        month
    </Text>
</View>
);
}

function History_Drawer() {
    return (
        <Drawer.Navigator
            drawerPosition="right"
            drawerContent={({props}) => <CustomDrawer {...props} />}
        >
            <Drawer.Screen
                name="History"
                component={HistoryPage}
                options={{
                    title: "Usage History",
                    headerStyle: {
                        backgroundColor: "#e6002f",
                    },
                    headerTintColor: "white",
                    headerTitleStyle: {
                        fontFamily: "monospace",
                        fontWeight: "bold",
                    },
                },
                headerRight: () => (
                    <Button
                        onPress={() => navigation.navigate("mainpage")}
                        title="Sign Out"
                        color="#8f33ff"
                    />
                ),
            </Drawer.Screen>
        </Drawer.Navigator>
    );
}

```

```

function HistoryPage() {
  return (
    <View style={styles.container}>
      <Text style={styles.heading1}>Connection History</Text>
      <Text style={styles.historyText}>
        1. June 1, 2023 - Connected to the internet at 8:00 AM
      </Text>
      <Text style={styles.historyText}>
        2. May 30, 2023 - Disconnected from the internet at 10:00 PM
      </Text>
      <Text style={styles.historyText}>
        3. May 28, 2023 - Upgraded internet speed to 100 Mbps
      </Text>
      <Text style={styles.historyText}>
        4. May 25, 2023 - Monthly bill payment
      </Text>

      <Text style={styles.heading1}>Usage History</Text>
      <Text style={styles.usageText}>- June 2023: Consumed 200 GB of
data</Text>
      <Text style={styles.usageText}>- May 2023: Consumed 150 GB of
data</Text>
      <Text style={styles.usageText}>
        - April 2023: Consumed 180 GB of data
      </Text>
      <Text style={styles.usageText}>
        - March 2023: Consumed 120 GB of data
      </Text>
    </View>
  );
}

function ExplorePageComp() {
  return (
    <View style={styles.container}>
      <Text>Welcome</Text>
      <Text>Explore Page</Text>
    </View>
  );
}

```

## OUTPUT

← Register with New Number

Register with New Number

03XXXXXXXX

Enter Your Email

Set Your Password

Register

Delete

Already a Member, Sign In

Elements Console Sources Network Performance >> 6 6

top Filter

☐ Hide network

☐ Preserve log

☐ Selected context only

☒ Group similar messages in console

☒ Show CORS errors in console

☐ Log XMLHttpRequests

☒ Eager evaluation

☒ Autocomplete from history

☒ Treat code evaluation as user action

Phonenumber: 03471047078

Email: FA20-BCS-070

Password: 12345

Value Set Successfully

App.js:224

App.js:235

App.js:236

App.js:252