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BÁO CÁO THỰC HÀNH CÔNG NGHỆ LẬP TRÌNH ĐA NỀN TẨNG CHO ỨNG DỤNG DI ĐỘNG LAB 03: NESTED NAVIGATION, SQLite DATABASE

GVHD: Phạm Nhật Duy

Lớp: IE307.P11

Sinh viên thực hiện:

Thạch Minh Luân MSSV: 22520827

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IE307 – Công nghệ lập trình đa nền tảng cho ứng dụng di động		
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Người nhận xét		

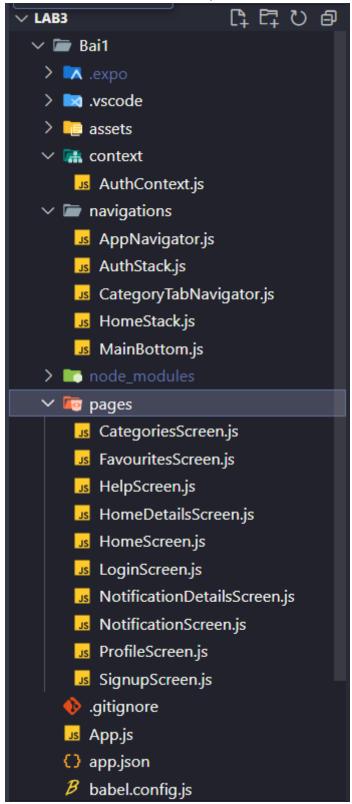
(Ký tên và ghi rõ họ tên)

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BÀI LÀM

Bài 1: Nested Navigation

• Cấu trúc các folder/file của dự án



Nội dung code

AuthContext.js

AuthStack.js

```
JS AuthStack.js M X
Bai1 > navigations > Js AuthStack.js > ..
       import { createStackNavigator } from '@react-navigation/stack';
       import LoginScreen from '../pages/LoginScreen';
       import SignupScreen from '../pages/SignupScreen';
       const Stack = createStackNavigator();
       const AuthStack = () => {
         return (
           <Stack.Navigator initialRouteName="Login">
             <Stack.Screen</p>
               name="Login"
               component={LoginScreen}
               options={{headerShown: false}}/>
             <Stack.Screen</p>
              name="Signup"
               component={SignupScreen}
               options={{headerShown: false}}/>
           </Stack.Navigator>
         );
       };
       export default AuthStack;
  23
```

o CategoriesScreen.js

```
Js CategoriesScreen.js M ≺
Bai1 > pages > Js CategoriesScreen.js > ...
       import { View, Text, StyleSheet } from 'react-native';
  4 ∨ const CategoriesScreen = ({title}) ⇒ {
  6 V return (
           <View style={styles.container}>
             <Text>{title}</Text>
           </View>
       );
      };
           {/*Thạch Minh Luân - 22520827*/}
 13 v const styles = StyleSheet.create({
 14 ∨ container: {
           alignItems: "center",
         marginTop: 100
       })
       export default CategoriesScreen;
 21
```

o FavouritesScreen.js

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```
Js FavouritesScreen.js M 🗙
Bai1 > pages > Js FavouritesScreen.js > ...
       import { View, Text, StyleSheet } from 'react-native';
     const FavoritesScreen = () => {
       return (
          <View style={styles.container}>
            <Text>FavouritesScreen</Text>
          </View>
       );
       };
           {/*Thạch Minh Luân - 22520827*/}
      const styles = StyleSheet.create({
        container: {
           alignItems: "center",
           marginTop: 100
       export default FavoritesScreen;
 21
```

o HelpScreen.js

```
JS HelpScreen.js M 🗙
Bai1 > pages > Js HelpScreen.js > ...
       import { View, Text, StyleSheet } from 'react-native';
      const HelpScreen = () => {
       return (
           <View style={styles.container}>
             <Text>HelpScreen</Text>
           </View>
      };
           {/*Thạch Minh Luân - 22520827*/}
      const styles = StyleSheet.create({
      container: {
          alignItems: "center",
           marginTop: 100
       })
       export default HelpScreen;
```

o HomeDetailsScreen.js

```
JS HomeDetailsScreen.js M ×
Bai1 > pages > Js HomeDetailsScreen.js > ...
      import { View, Text, StyleSheet } from 'react-native';
      const HomeDetailsScreen = ({navigation}) => {
       return (
          <View style={styles.container}>
             <Text>HomeDetailsScreen</Text>
           </View>
       };
 12
       {/*Thạch Minh Luân - 22520827*/}
      const styles = StyleSheet.create({
       container: {
          alignItems: "center",
           marginTop: 100
       export default HomeDetailsScreen;
```

o HomeScreen.js

o LoginScreen.js

```
JS LoginScreen.js M X
Bai1 > pages > Js LoginScreen.js
       import React, { useContext, useState } from 'react';
       import { View, Text, TextInput, StyleSheet, Image, TouchableOpacity } from 'react-native';
       import { AuthContext } from '../context/AuthContext';
      const LoginScreen = ({ navigation }) => {
          <View style={styles.viewCha}>
            <View>
                style={styles.logo}
                source={{ uri: 'https://www.scorchsoft.com/public/capabilities/head/react-native-logo-square.webp' }}
               <Text style={styles.title}>Welcome</Text>
            </View>
            <View style={styles.container}>
              <View style={styles.viewInput}>
                <Image
                 style={styles.icon}
                   source={{uri: "https://cdn-icons-png.flaticon.com/128/646/646094.png"}}/>
                <TextInput
                  style={styles.input}
                  value={email}
                  onChangeText={setEmail}
                  placeholder="Email"
                  placeholderTextColor={"#666"}
               </View>
```

```
<View style={styles.viewInput}>
    <1mage
     style={styles.icon}
     source={{uri: "https://cdn-icons-png.flaticon.com/128/9512/9512572.png"}}/>
   <TextInput
     style = {styles.input}
     value={password}
     onChangeText={setPassword}
     placeholder="Password"
     placeholderTextColor={"#666"}
     secureTextEntry={true}
     />
 </View>
 <Text style={styles.forgotpw}>Forgot password?</Text>
 <TouchableOpacity
   style={styles.btnLogin}
    onPress={() => login(email, password)}
    <Text style={styles.txtLogin}>LOG IN</Text>
 </TouchableOpacity>
<Text style={styles.loginwith}>Or login with</Text>
<View style={styles.viewLoginWith}>
 ≺Image
  style={styles.iconLoginWith}
    source={{uri: "https://cdn-icons-png.flaticon.com/128/5968/5968764.png"}}/>
    style={styles.iconLoginWith}
    source={{uri: "https://cdn-icons-png.flaticon.com/128/281/281764.png"}}/>
</View>
```

IE307 – Công nghệ lập trình đa nền tảng cho ứng dụng di động

```
Js LoginScreen.js M X
Bai1 > pages > Js LoginScreen.js > ...
       const LoginScreen = ({ navigation }) => {
             <View style={styles.viewNoAcc}>
               <Text style={styles.txtNoAcc}>Don't have account?</Text>
               <Text
                 style={styles.signup}
                 onPress={() => navigation.navigate('Signup')}>Sign up here!</Text>
             </View>
             </View>
           </View>
  77
          {/*Thạch Minh Luân - 22520827*/}
       const styles = StyleSheet.create({
         viewCha: {
           paddingTop: 100
         },
         container:{
           alignItems: "center"
         logo: {
           height: 100,
           width: 100,
           borderRadius: 50,
           alignSelf: "center"
         title: {
           fontSize: 28,
           fontWeight: "bold",
           alignSelf: "center"
         },
         viewInput: {
           borderWidth: 1,
           height: 40,
           width: '70%',
           margin: 12,
           padding: 10,
           flexDirection: "row",
           alignItems: "center",
           borderRadius: 10
         icon: {
           height: 24,
```

IE307 – Công nghệ lập trình đa nền tảng cho ứng dụng di dộng

```
ɪ Logın\creen.js M 🔻
 Bai1 > pages > 📠 LoginScreen.js > ...
           const styles = StyleSheet.create({
           btnLogin: {
            backgroundColor: "orange",
             width: '70%',
height: 40,
borderRadius: 5,
alignSelf: "center"
 128 txtLogin: {
129 fontSize:
             fontSize: 30,
             fontWeight: "bold",
alignSelf: "center",
color: "white"
            },
            loginwith: {
             alignSelf: "center",
             marginTop: 15,
fontSize: 20,
fontWeight: "bold"
            },
            iconLoginWith: {
             width: 50,
             height: 50,
alignSelf: "center",
marginHorizontal: 15
            },
           viewLoginWith: {
            width: 'auto',
height: 50,
flexDirection: "row",
alignItems: "center",
marginVertical: 15
            },
             viewNoAcc: {
              flexDirection: "row",
              alignItems: "center",
        },
txtNoAcc: {
             fontSize: 20
159 },
160 signup: {
161 width:
162 marginS:
163 fontSiz
164 fontWei
color:
            width: 'auto',
marginStart: 5,
fontSize: 20,
fontWeight: "bold",
color: "blue",
        1
        })
         export default LoginScreen;
```

o NotificationDetailsScreen.js

```
NotificationDetailsScreen.js M X
Bai1 > pages > 3 NotificationDetailsScreen.js > ...
       import { View, Text, StyleSheet} from 'react-native';
      const NotificationDetailsScreen = () => {
         <View style={styles.container}>
             <Text>NotificationDetailsScreen</Text>
           </View>
       };
 12
       {/*Thạch Minh Luân - 22520827*/}
       const styles = StyleSheet.create({
       container: {
           alignItems: "center",
           marginTop: 100
      })
       export default NotificationDetailsScreen;
```

o NotificationScreen.js

```
■ NotificationScreen.js M ×
Bai1 > pages > 1,8 NotificationScreen.js > ...
      import { View, Text, StyleSheet, Button } from 'react-native';
     const NotificationScreen = ({navigation}) => {
       return (
        <View style={styles.container}>
          <Text>NotificationScreen</Text>
            <Button title="Go to detail"</pre>
           onPress={() => navigation.navigate('NotificationDetails')}
            />
           </View>
       };
        {/*Thạch Minh Luân - 22520827*/}
 15
      const styles = StyleSheet.create({
 17 container: {
          alignItems: "center",
           marginTop: 100
       })
       export default NotificationScreen;
```

o ProfileScreen.js

```
🧝 ProfileScreen.js M 🗙
Bai1 > pages > 18 ProfileScreen.js >
  1 > import React, { useContext } from 'react';
  2 import { View, Button, Text, StyleSheet } from 'react-native';
      import { AuthContext } from '../context/AuthContext';
  5 ∨ const ProfileScreen = () => {
        const { logout } = useContext(AuthContext);
          <View style={styles.container}>
           <Text>ProfileScreen</Text>
            <Button title="LOG OUT" onPress={() => logout()} />
          </View>
           {/*Thạch Minh Luân - 22520827*/}
 15 | | {/*Thạch minh Luan
16 × const styles = StyleSheet.create({
 17 \rightarrow container: {
         alignItems: "center",
          marginTop: 100
       export default ProfileScreen;
```

o SignupScreen.js

```
SignupScreen.is M X
Bail > pages > Is SignupScreen.is >
       import { View, TextInput, StyleSheet, Image, Text, TouchableOpacity} from 'react-native';
       const SignupScreen = ({navigation}) => {
           <View>
             <View>
                style={styles.logo}
                  {\it source} = \{ \{ \text{ uri: } '\underline{\text{https://www.scorchsoft.com/public/capabilities/head/react-native-logo-square.webp'} \} \}
               <Text style={styles.title}>Create New Account</Text>
             </View>
             <View style={styles.container}>
              <View style={styles.viewInput}>
                 <Image
                  style={styles.icon}
                    source={{uri: "https://cdn-icons-png.flaticon.com/128/1077/1077063.png"}}/>
                 <TextInput
                 style={styles.input}

placeholder="Enter username
                   placeholderTextColor={"#666"}
                <View style={styles.viewInput}>
                 <Image
                    source={{uri: "https://cdn-icons-png.flaticon.com/128/542/542638.png"}}/>
                 <TextInput
                   style={styles.input}
                    placeholder="Enter email"
                    placeholderTextColor={"#666"}
/>
               <View style={styles.viewInput}>
                  style={styles.icon}
                    source={{uri: "https://cdn-icons-png.flaticon.com/128/9512/9512572.png"}}/>
                   style={styles.input}
                    placeholder="Enter password"
placeholderTextColor={"#666"}
                     secureTextEntry={true}
```

```
<View style={styles.viewInput}>
         ≺Image
           style={styles.icon}
           source={{uri: "https://cdn-icons-png.flaticon.com/128/9512/9512572.png"}}/>
         <TextInput
          style={styles.input}
         placeholder="Confirm password"
          placeholderTextColor={"#666"}
          secureTextEntry={true}
       </View>
       ⟨TouchableOpacity
         style={styles.btnCreate}
         <Text style={styles.txtCreate}>CREATE</Text>
       </TouchableOpacity>
     <View style={styles.viewHaveAcc}>
       <Text style={styles.txtHaveAcc}>Already have an account</Text>
       <Text
         style={styles.login}
         onPress={() => navigation.navigate('Login')}>Login now!</Text>
     </View>
     </View>
   </View>
const styles = StyleSheet.create({
container:{
  alignItems: "center"
 logo: {
  height: 100,
   width: 100,
  borderRadius: 50,
   alignSelf: "center"
```

IE307 – Công nghệ lập trình đa nền tảng cho ứng dụng di dộng

```
viewInput: {
    borderWidth: 1,
    height: 40,
   width: '70%',
  margin: 12,
   padding: 10,
   flexDirection: "row",
    alignItems: "center",
    borderRadius: 10
  },
 icon: {
    height: 24,
    width:24,
  },
  input: {
    marginStart: 15,
    width: '85%'
  },
 btnCreate: {
    backgroundColor: "orange",
   width: '70%',
   height: 40,
  borderRadius: 5,
   alignSelf: "center",
   marginVertical: 15
 },
 txtCreate: {
   fontSize: 30,
    fontWeight: "bold",
    alignSelf: "center",
    color: "white"
 viewHaveAcc: {
   flexDirection: "row",
    alignItems: "center",
 txtHaveAcc: {
   fontSize: 20
  login: {
  width: 'auto',
  marginStart: 5,
   fontSize: 20,
   fontWeight: "bold",
    color: "blue",
})
```

HomeStack.js

```
const Drawer = createDrawerNavigator();
     const DrawerApp = () => {
         <Drawer.Navigator initialRouteName="HomeScreen">
            <Drawer.Screen name="HomeScreen" component={MainBottom}</pre>
             options={{
                drawerIcon: ({color}) => <Entypo name="home" size={24} color={color}/>
            <Drawer.Screen name="NotificationsScreen" component={NotificationScreen}</pre>
            options={{
                drawerIcon: ({color}) => <Ionicons name="notifications" size={24} color={color} />
            <Drawer.Screen name="Help" component={HelpScreen}</pre>
                \label{lem:drawerIcon: (color)} $$ \rightarrow \ensuremath{\mathsf{CEntypo}} \ name="help-with-circle" size=\{24\} \ color=\{color\}/\ensuremath{\mathsf{Color}}\} $$
          </Drawer.Navigator>
     const HomeStack = createStackNavigator();
     const HomeStackScreen = () => (
       <HomeStack.Naviaator>
         <HomeStack.Screen</pre>
          name="DrawerApp"
           component={DrawerApp}
            options={{headerShown: false}}
44
         <HomeStack.Screen</pre>
           name="HomeDetails"
           component={HomeDetailsScreen}
           options={{ title: 'Home Details' }}
          <HomeStack.Screen</pre>
           name="NotificationDetails"
           component={NotificationDetailsScreen}
            options={{ title: 'Notification Details' }}
       </HomeStack.Navigator>
```

CategoryTabNavigator.js

```
import { createMaterialTopTabNavigator } from '@react-navigation/material-top-tabs';
   import CategoriesScreen from '../pages/CategoriesScreen';
   5
   const CategoryTabNavigator = () => (
     <TopTab.Navigator>
      <TopTab.Screen name="Category1">
        {() => <CategoriesScreen title="Category 1" />}
      </TopTab.Screen>
      <TopTab.Screen name="Category2">
        {() => <CategoriesScreen title="Category 2" />}
       </TopTab.Screen>
       <TopTab.Screen name="Category3">
        {() => <CategoriesScreen title="Category 3" />}
       </TopTab.Screen>
     </TopTab.Navigator>
   export default CategoryTabNavigator;
```

AppNavigator.js

o App.js

```
SignupScreen.js M

Bail > App.js > ...

import { AuthProvider } from './context/AuthContext';

import AppNavigator from './navigations/AppNavigator';

export default function App() {

return (

AuthProvider>

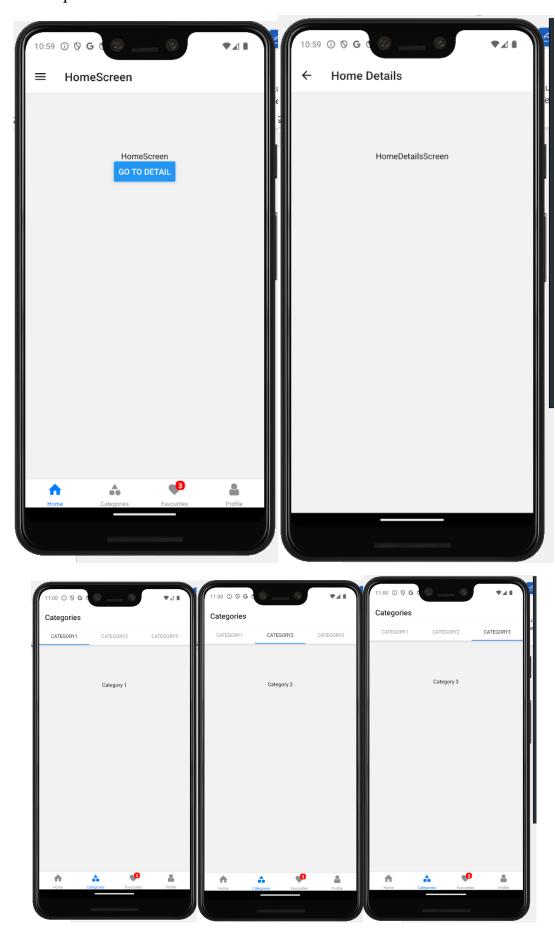
AppNavigator/>

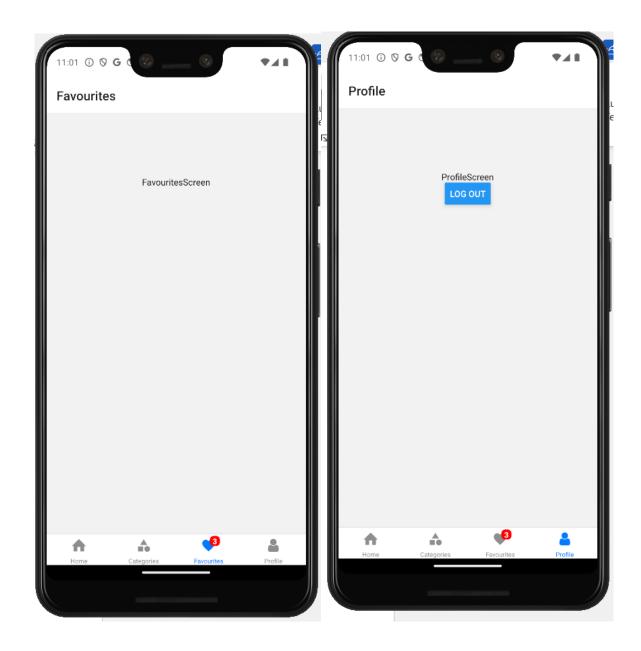
AppNavigator/

AppNavigator/
```

IE307 – Công nghệ lập trình đa nền tảng cho ứng dụng di dộng

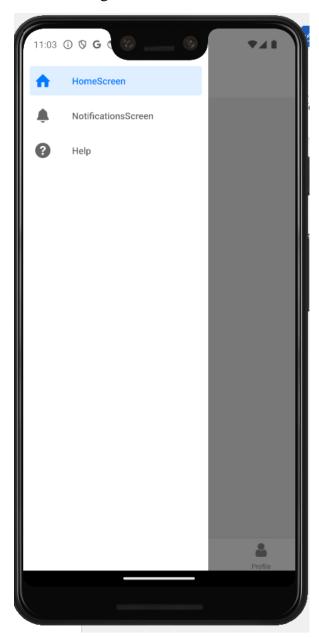
Kết quả



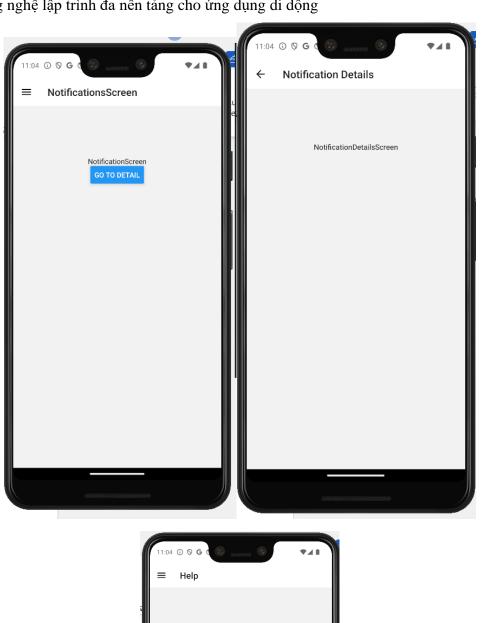


IE307 – Công nghệ lập trình đa nền tảng cho ứng dụng di dộng

 Mở các màn hình ngăn kéo khi nhấn vào biểu tượng menu trong màn hình trang chủ.



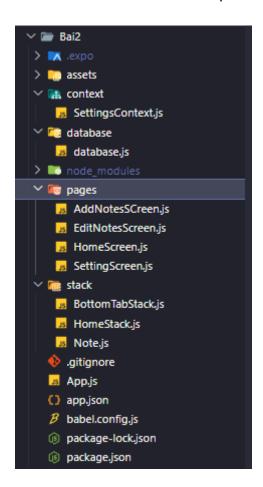
IE307 – Công nghệ lập trình đa nền tảng cho ứng dụng di dộng





Bài 2: SQLite Database

• Cấu trúc các folder/file của dư án



- Nội dung code
 - SettingContext.js

```
Js SettingsContext.js M X
Bai2 > context > Js SettingsContext.js > 🔊 SettingsProvider > 🔊 SettingStyles > 🎉 container
     import React, { createContext, useState, useEffect } from 'react';
     import { GetSettings, updateSettings } from '../database/database';
      import { StyleSheet } from "react-native"
      export const SettingsContext = createContext();
     export const SettingsProvider = ({ children }) => {
       const [darkMode, setDarkMode] = useState(false);
const [fontSize, setFontSize] = useState(16);
         GetSettings((settings) => {
              setDarkMode(!!settings.darkMode);
               setFontSize(settings.fontSize);
         }, []);
         const updateSetting = (newDarkMode, newFontSize) => {
          setDarkMode(newDarkMode);
           setFontSize(newFontSize);
           updateSettings(newDarkMode ? 1 : 0, newFontSize, () => {});
```

```
const SettingStyles = StyleSheet.create({
container: {
  flex: 1,
  backgroundColor: darkMode ? "#121212" : "#ebebeb
    color: darkMode ? 'blue' : 'orange',
    fontSize: fontSize + 10,
    fontWeight: 'bold',
    paddingTop: 20
},
btnAddNotes: {
    width: 56,
    height: 56,
    borderRadius: 50,
    backgroundColor: darkMode ? 'blue' : 'orange',
    alignItems: 'center',
    justifyContent: 'center'
  txtAllNotes: {
    fontSize: fontSize + 4,
    fontWeight: "bold",
color: darkMode ? 'white' : 'black',
  txtContent: {
  fontSize: fontSize + 2,
    color: darkMode ? 'white' : 'black'.
  <SettingsContext.Provider value={{ darkMode, fontSize, updateSetting, SettingStyles }}>
    {children}
```

o database.js

BottomTabStack.js

```
Bai2 > stack > Js E
        import SettingScreen from "../pages/SettingScreen";
        import { createBottomTabNavigator } from "@react-navigation/bottom-tabs";
        import Icon from "react-native-vector-icons/FontAwesome";
       import { useContext } from "react";
       import { SettingsContext } from "../context/SettingsContext";
       const Tab = createBottomTabNavigator();
           const {darkMode} = useContext(SettingsContext);
 10
                ≺Tab.Navigator
                    screenOptions={{
                         tabBarStyle: {
                              backgroundColor: darkMode ? '#333' : '#fff'
                         headerStyle: {
                              backgroundColor: darkMode ? '#333' : '#fff
                         headerTintColor: darkMode ? '#fff' : '#333',
tabBarInactiveTintColor: darkMode ? '#888' : '#555',
tabBarActiveTintColor: darkMode ? '#fff' : '#333'
                       <Tab.Screen name="Home" component={HomeStack}</pre>
                             headerShown: false,
                              tabBarIcon: (\{color\}) \Rightarrow \langle Icon\ name="home" \ size=\{24\} \ color=\{color\}/>
                       <Tab.Screen name="Settings" component={SettingScreen}</pre>
                              tabBarIcon: ({color}) => <Icon name="gear" size={24} color={color}/>
                   </Tab.Navigator>
```

o HomeStack.js

```
import { createStackNavigator } from "@react-navigation/stack";
import HomeScreen from "../pages/HomeScreen";
import AddNotesScreen from "../pages/AddNotesSCreen";
import EditNotesScreen from "../pages/EditNotesScreen";
import { useContext } from "react";
import { SettingsContext } from "../context/SettingsContext";
const Stack = createStackNavigator();
const HomeStack = () => {
     <Stack.Navigator initialRouteName="HomeScreen" screenOptions={</pre>
         tabBarStyle: {
              backgroundColor: darkMode ? '#000' : '#fff
          headerStyle: {
             backgroundColor: darkMode ? '#000' : '#fff
         headerTintColor: darkMode ? '#ffff' : '#000', 
tabBarInactiveTintColor: darkMode ? '#888' : '#555', 
tabBarActiveTintColor: darkMode ? '#fff' : '#000'
         <Stack.Screen name="HomeScreen" component={HomeScreen}</pre>
            options={{headerShown: false}}
          <Stack.Screen name="AddNotesScreen" component={AddNotesScreen}/>
          <Stack.Screen name="EditNotesScreen" component={EditNotesScreen}/>
     </Stack.Navigator>
```

Note.js

```
import { View, Text, TouchableOpacity, StyleSheet } from "react-native"
import { SettingsContext } from "../context/SettingsContext"
import { useContext } from "react"
import Icon from 'react-native-vector-icons/FontAwesome';
import { deleteNote } from "../database/database";
const Note = ({id, title, content, navigation, fetchNote}) => {
   const {SettingStyles, darkMode} = useContext(SettingsContext)
   const DeleteNote = () => {
        deleteNote(id);
        fetchNote()
    const styles = StyleSheet.create({
      container: {
    width: '100%',
           borderWidth: 0.5,
          marginVertical: 8,
            flexDirection: "row",
            borderColor: darkMode ? '#fff' : '#333',
        noteItem: {
          width: '90%',
            padding: 10,
        btnContainer: {
            justifyContent: "center"
```

AddNotesScreen.js

```
24
         const styles = StyleSheet.create({
           container: {
             flex: 1,
             padding: 20,
             backgroundColor: darkMode ? "#121212" : "#ebebeb"
           input: {
             borderWidth: 1,
             borderColor: darkMode ? "#ebebeb" : "#121212",
             marginBottom: 20,
             padding: 10,
             fontSize: fontSize + 6,
             color: darkMode ? "#ebebeb" : "#121212"
37
           },
           buttonContainer: {
             flexDirection: 'row',
             justifyContent: 'center',
           },
           button: {
             padding: 15,
             borderRadius: 100,
             marginHorizontal: 5
           },
       });
```

```
Thạch Minh Luân - 22520827
<View style={styles.container}>
 <TextInput
 placeholder="Title"
  placeholderTextColor={darkMode ? "#fff" : "#333"}
  onChangeText={(text) => setTitle(text)}
  style={styles.input}
 <TextInput
  placeholder="Content"
  placeholderTextColor={darkMode ? "#fff" : "#333"}
  onChangeText={(text) => setContent(text)}
  style={[styles.input, { height: 100 }]}
 <View style={styles.buttonContainer}>
  </TouchableOpacity>
 </View>
```

o EditNotesScreen.js

```
import { View, StyleSheet, TextInput, TouchableOpacity } from 'react-native';
import { useContext, useState, useEffect } from 'react';
import Icon from 'react-native-vector-icons/FontAwesome';
import { SettingsContext } from '../context/SettingsContext';
import { updateNote, GetNotes } from '../database/database';
const EditNotesScreen = ({ route, navigation }) => {
 const { darkMode, fontSize } = useContext(SettingsContext);
const { noteId } = route.params; // Lay ID cua ghi chú từ params
// Thạch Minh Luân - 22520827
 useEffect(() => {
   GetNotes((notes) => {
     const note = notes.find(note => note.id === noteId);
     if (note) {
       setTitle(note.title);
        setContent(note.content);
  }, [noteId]);
  const saveChanges = () => {
   if (!title) {
    alert('Please enter a title');
      return;
    updateNote(noteId, title, content, () => {
     navigation.goBack();
```

```
34
        // Thạch Minh Luân - 22520827
       const styles = StyleSheet.create({
         container: {
           flex: 1,
           padding: 20,
           backgroundColor: darkMode ? "#121212" : "#ebebeb"
         input: {
           borderWidth: 1,
           borderColor: darkMode ? "#ebebeb" : "#121212",
           marginBottom: 20,
           padding: 10,
           fontSize: fontSize + 6,
           color: darkMode ? "#ebebeb" : "#121212"
         buttonContainer: {
           flexDirection: 'row',
           justifyContent: 'center',
         button: {
           padding: 15,
           borderRadius: 100,
           marginHorizontal: 5
         },
     });
```

```
// Thạch Minh Luân - 22520827
  <View style={styles.container}>
    <TextInput
    placeholder="Title"
     placeholderTextColor={darkMode ? "#fff" : "#333"}
      onChangeText={(text) => setTitle(text)}
     style={styles.input}
   <TextInput
    placeholder="Content"
     placeholderTextColor={darkMode ? "#fff" : "#333"}
     value={content}
     onChangeText={(text) => setContent(text)}
     style={[styles.input, { height: 100 }]}
      multiline
    <View style={styles.buttonContainer}>
      <TouchableOpacity
       style={[styles.button, { backgroundColor: 'red' }]}
        onPress={() => navigation.goBack()}>
<Icon name="close" size={32} color={darkMode ? '#000' : '#ffff'} />
      </TouchableOpacity>
      ≺TouchableOpacity
      style={[styles.button, { backgroundColor: 'green' }]}
        onPress={saveChanges}>
<Icon name="check" size={32} color={darkMode ? '#000' : '#ffff'} />
    </View>
  </View>
```

o HomeScreen.js

```
// Thạch Minh Luân - 22520827
    <SafeAreaView style={SettingStyles.container}>
        <View style={styles.header}>
            <Text style={SettingStyles.header}>App Notes</Text>
        </View>
        <View style={styles.addnotesContainer}>
            <Text style={SettingStyles.txtAllNotes}>All notes</Text>
            <TouchableOpacity
            style={SettingStyles.btnAddNotes}
            onPress={() => navigation.navigate('AddNotesScreen')}>
                <Icon name="plus" size={24} color={ darkMode ? '#333' : '#fff'}/>
            </TouchableOpacity>
        </View>
        <View style={styles.viewListNote}>
            <FlatList
            data={notes}
            keyExtractor={(item, index) => index.toString()}
            renderItem={NoteItem}
            />
        </View>
    </SafeAreaView>
```

```
59
60 v const styles = StyleSheet.create ({
         header: {
             width: '100%',
             alignItems: 'center',
             margin: 8,
             marginTop: 100
         },
         containerChild:{
             width: '100%',
             alignItems: 'center',
             margin: 8
         },
         addnotesContainer: {
             width: '85%',
             flexDirection: 'row',
             justifyContent: 'space-between',
             alignItems: 'center',
             alignSelf: 'center'
         },
         viewListNote: {
             width: "90%",
             alignSelf: "center",
             marginTop: 5
         },
     });
     export default HomeScreen;
```

o SettingScreen.js

```
Ball > pages > M SettingScreen; > (1 seContext ) from 'react';

import React, { useContext } from 'react';

import React, { useContext } from 'react';

import Slider from 'Peract-native-community/slider';

import { SettingsContext } from '../context/SettingsContext';

export default function SettingsScreen() {

const { darkMode, fontSize, updateSetting } = useContext(SettingsContext);

// Thach Minh Luân - 22520827

return (

(View styLe={[styles.container, darkMode ? styles.darkContainer : styles.lightContainer]})

(View styLe={[styles.switchContainer]})

(View styLe={darkMode ? styles.darkText : styles.lightText}>Dark mode</r/>
(View styLe={darkMode}) onValueChange={(value) => updateSetting(value, fontSize, () => {})} />

(View)

(Text styLe={[darkMode ? styles.darkText : styles.lightText, {paddingHorizontal: 20}]}>Font Size: {fontSize}</ri>
(View)

(Text styLe={[darkMode ? styles.darkText : styles.lightText, {paddingHorizontal: 20}]}>Font Size: {fontSize}</ri>
//Text>

(Slider

minimumValue={12}

maximumValue={36}

step={2}

value={fontSize}

onValueChange={(value) => updateSetting(darkMode, value, () => {})}

//View>

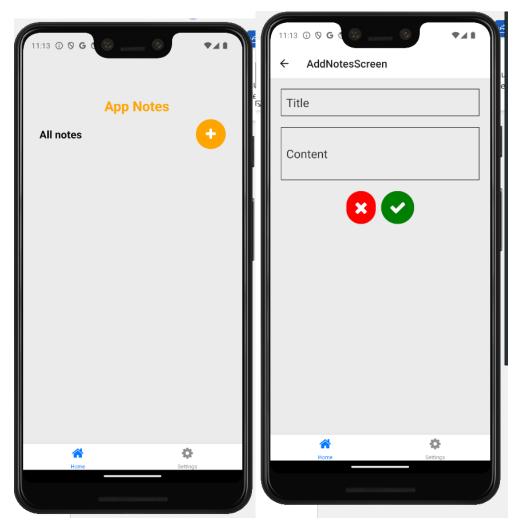
//View>
```

```
28
     const styles = StyleSheet.create({
         container: {
             flex: 1,
             padding: 20,
33
             paddingTop: 300,
         },
         darkContainer: {
             backgroundColor: "#121212"
         },
         lightContainer: {
             backgroundColor: "#ebebeb"
         },
         switchContainer:{
             flexDirection: 'row',
             justifyContent: 'space-between',
             alignItems: 'center',
             marginBottom: 5,
             paddingHorizontal: 20
         },
         darkText: {
             fontSize: 20,
             color: "#fff"
         },
         lightText: {
             fontSize: 20,
             color: "#0a0a0a"
         },
     })
```

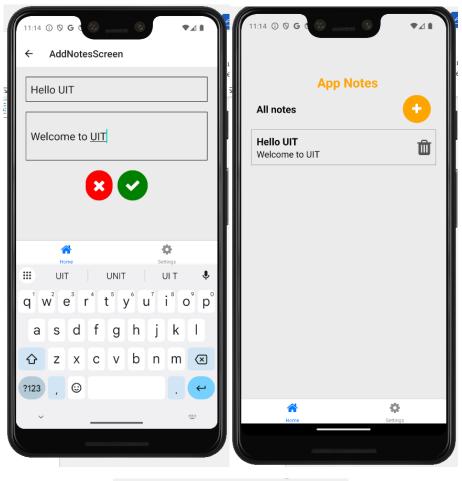
o App.js

```
Bai2 | Mappis | Mappi
```

• Kết quả:



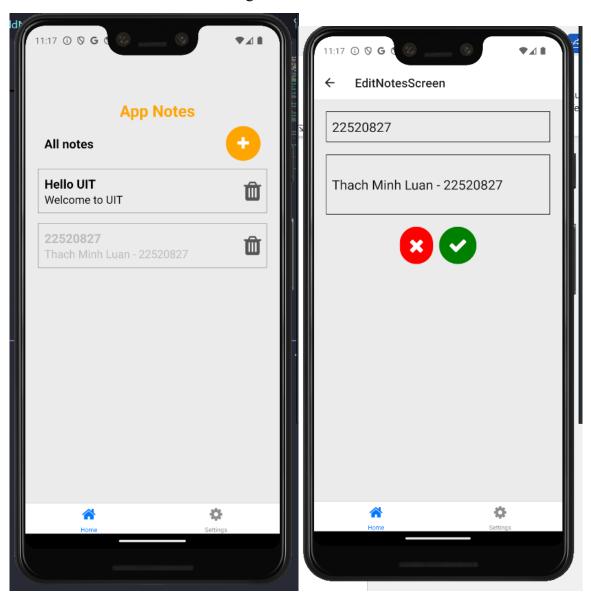
IE307 – Công nghệ lập trình đa nền tảng cho ứng dụng di dộng



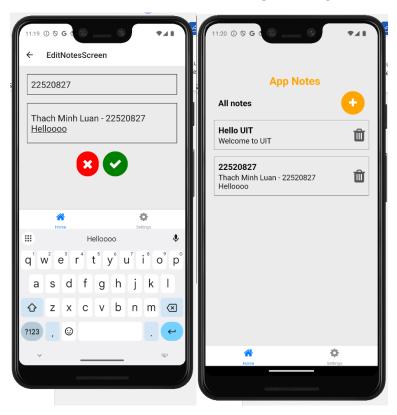


IE307 – Công nghệ lập trình đa nền tảng cho ứng dụng di dộng

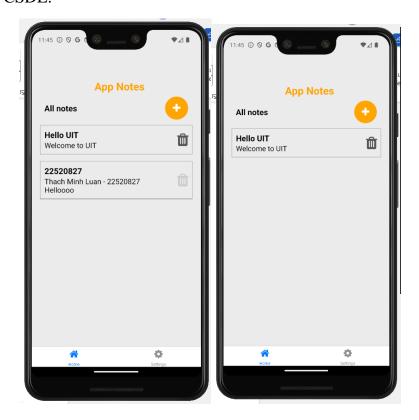
 Khi nhấn chọn vào một ghi chú, ứng dụng điều hướng sang màn hình chỉnh sửa với các thông tin đã có trước đó.



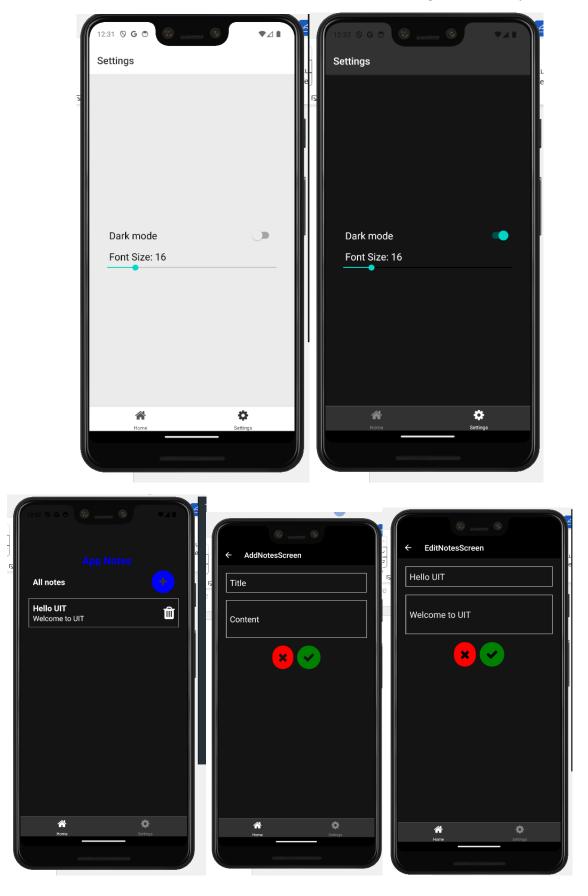
O Thực hiện chỉnh sửa và nhấn lưu, thông tin của ghi chú sẽ được cập nhật.



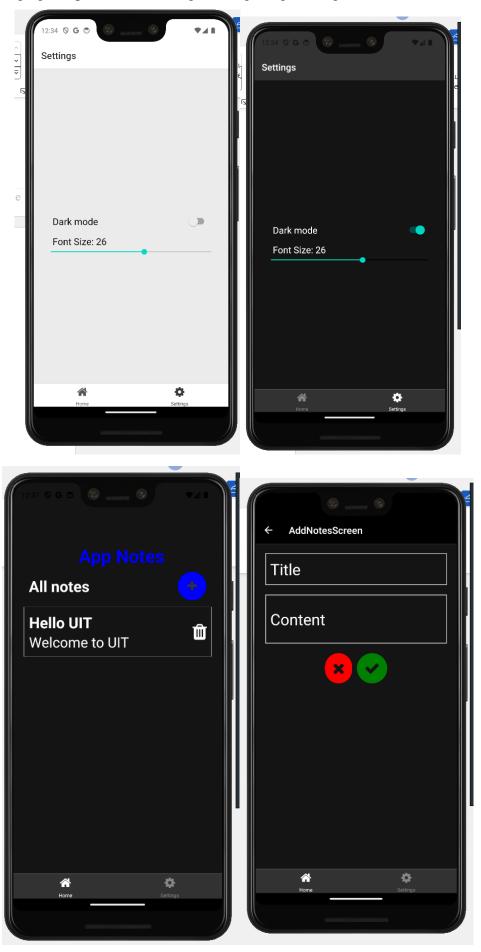
 Khi nhấn vào biểu tượng xóa, ghi chú tương ứng sẽ được xóa khỏi CSDL.



 Màn hình cài đặt. Khi người dùng bật công tắc chế độ tối, giao diện của màn hình cài đặt, thanh Header và TabBar cũng sẽ được thay đổi theo.



IE307 – Công nghệ lập trình đa nền tảng cho ứng dụng di dộng



IE307 – Công nghệ lập trình đa nền tảng cho ứng dụng di dộng



Link Google Drive video: <u>Video</u>