ĐẠI HỌC QUỐC GIA THÀNH PHỐ HỒ CHÍ MINH
TRƯỜNG ĐẠI HỌC CÔNG NGHỆ THÔNG TIN
KHOA KHOA HỌC VÀ KĨ THUẬT THÔNG TIN

BÁO CÁO THỰC HÀNH
CÔNG NGHỆ LẬP TRÌNH ĐA NỀN TẢNG
CHO ỨNG DỤNG DI ĐỘNG
LAB 02: CUSTOM COMPONENTS, REACT NAVIGATION

GVHD: Phạm Nhật Duy

Lớp: IE307.P11

Sinh viên thực hiện:

Thạch Minh Luân   MSSV: 22520827

ৰেও৪ Tp. Hồ Chí Minh, 11/2024 ৪০ৰে

NHẬN XÉT CỦA GIÁO VIÊN HƯỚNG DẪN

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Người nhận xét

(Ký tên và ghi rõ họ tên)

MỤC LỤC

BÀI LÀM

Bài 1: Social Media Feed (cont.)

- Cấu trúc các folder/file của dự án
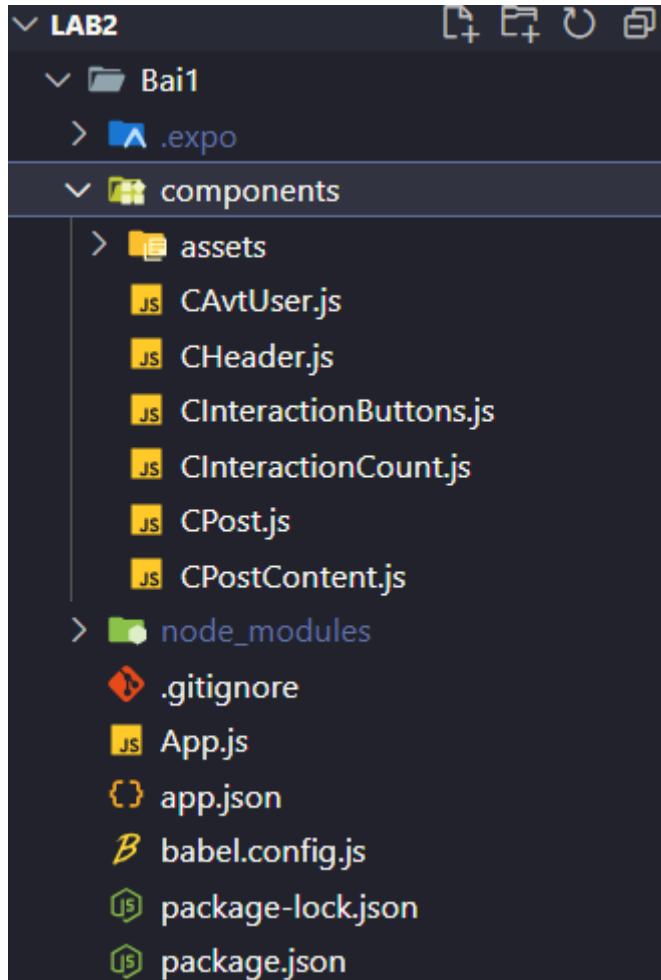
- Nội dung code

  - CAvtUser.js

```js
Bai1 > components > JS CAvtUser.js > ...
 1    import { View, Image, Text, StyleSheet } from "react-native";
 2
 3    const  AvatarUser = ({ avatar, username }) => {
 4        return (
 5          <View style={styles.avt_user}>
 6            <Image style={styles.avatar} source={avatar} />
 7            <Text style={styles.username}>{username}</Text>
 8          </View>
 9        );
10    };
11    // Thạch Minh Luân - 22520827
12    const styles = StyleSheet.create({
13      avt_user:{
14          flexDirection: "row",
15          margin: 5
16        },
17        avatar: {
18          width: 60,
19          height: 60,
20          borderRadius: 50
21        },
22        username: {
23          fontSize: 23,
24          fontWeight: 'bold',
25          alignItems: "center",
26          padding: 12
27        },
28    });
29
30    export default AvatarUser;
31
```

- CHeader.js

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```js
Bai1 > components > JS CHeader.js > ...
1    import { View, Text, Image, StyleSheet } from "react-native";
2
3    const CHeader = () => {
4        return (
5            <View style={styles.viewTitle}>
6                <Image style={styles.logo} source={{uri: 'https://i0.wp.com/www.senviet.art/wp-cont
7                <Text style={styles.textTitle}>UITers Feed</Text>
8            </View>
9        );
10   };
11       // Thạch Minh Luân - 22520827
12   const styles = StyleSheet.create({
13     viewTitle: {
14       width: '100%',
15       height: '3%',
16       backgroundColor: "#EFEFEF",
17       flexDirection: 'row',
18       borderColor: '#306CFF',
19       borderWidth: 1
20     },
21     logo: {
22       width: '30%',
23       height: '100%'
24     },
25     textTitle: {
26       width: '70%',
27       height: '100%',
28       justifyContent: 'center',
29       alignItems: 'center',
30       color: "#306CFF",
31       fontSize: 32,
32       marginBottom: 4,
33       fontWeight: "bold",
34       paddingTop: 8,
```

```js
Bai1 > components > JS CHeader.js > [e] default
12   const styles = StyleSheet.create({
13     viewTitle: {
17       flexDirection: 'row',
18       borderColor: '#306CFF',
19       borderWidth: 1
20     },
21     logo: {
22       width: '30%',
23       height: '100%'
24     },
25     textTitle: {
26       width: '70%',
27       height: '100%',
28       justifyContent: 'center',
29       alignItems: 'center',
30       color: "#306CFF",
31       fontSize: 32,
32       marginBottom: 4,
33       fontWeight: "bold",
34       paddingTop: 8,
35       paddingStart: 20
36     },
37   });
38       // Thạch Minh Luân - 22520827
39   export default CHeader;
```

- CinteractionButtons.js

```
Bai1 > components > Js CInteractionButtons.js > [@] styles > 🔧 reactContainer
1
2    import { View, TouchableOpacity, Image, Text, StyleSheet } from 'react-native';
3
4    const InteractionButtons = ({ trangthai, SuKienNutLike, SuKienNutCmt, SuKienNutShare, id }) => {
5        return (
6            <View style={styles.reactContainer}>
7                <TouchableOpacity style={styles.btnStyle} onPress={() => SuKienNutLike(id)}>
8                    <Image source={trangthai ? require('./assets/icon/thumb-up.png') : require('./assets/icon/like.png')} style={styles.
9                    <Text style={styles.textIcon}>Like</Text>
10               </TouchableOpacity>
11
12               <TouchableOpacity style={styles.btnStyle} onPress={() => SuKienNutCmt(id)}>
13                   <Image source={require('./assets/icon/comment.png')} style={styles.icon} />
14                   <Text style={styles.textIcon}>Comment</Text>
15               </TouchableOpacity>
16
17               <TouchableOpacity style={styles.btnStyle} onPress={() => SuKienNutShare(id)}>
18                   <Image source={require('./assets/icon/share.png')} style={styles.icon} />
19                   <Text style={styles.textIcon}>Share</Text>
20               </TouchableOpacity>
21           </View>
22        );
23   };
24   // Thạch Minh Luân - 22520827
25   const styles = StyleSheet.create({
26       reactContainer: {
27           flexDirection: "row",
28           flex: 1,
29           justifyContent: 'space-between',
30           alignItems: 'center',
31           marginHorizontal: 10,
32           marginVertical: 5
33       },
```

```
Bai1 > components > Js CInteractionButtons.js > [@] styles > 🔧 reactContainer
4    const InteractionButtons = ({ trangthai, SuKienNutLike, SuKienNutCmt, SuKienNutShare, id }) => {
22       ),
23   };
24   // Thạch Minh Luân - 22520827
25   const styles = StyleSheet.create({
26       reactContainer: {
27           flexDirection: "row",
28           flex: 1,
29           justifyContent: 'space-between',
30           alignItems: 'center',
31           marginHorizontal: 10,
32           marginVertical: 5
33       },
34       btnStyle:{
35           flexDirection: "row"
36       },
37       icon: {
38           width: 30,
39           height: 30
40       },
41       textIcon: {
42           marginVertical: 2,
43           marginStart: 5,
44           fontSize: 20
45       }
46   });
47
48   export default InteractionButtons;
49
```

- CInteractionCount.js

```
Bai1 > components > JS CInteractionCount.js > [@] styles > reactContainer
 1    import { View,Text, StyleSheet } from "react-native";
 2
 3
 4    const InteractionCount = ({ like, cmt, share }) => {
 5        return (
 6          <View style={styles.reactContainer}>
 7            <View style={styles.sluongReact}>
 8              <Text>{like} Likes</Text>
 9            </View>
10            <View style={styles.sluongReact}>
11              <Text>{cmt} Comments</Text>
12            </View>
13            <View style={styles.sluongReact}>
14              <Text>{share} Shares</Text>
15            </View>
16          </View>
17        );
18    };
19      // Thạch Minh Luân - 22520827
20    const styles = StyleSheet.create({
21        reactContainer: {
22            flexDirection: "row",
23            flex: 1,
24            justifyContent: 'space-between',
25            alignItems: 'center',
26            marginHorizontal: 10,
27            marginVertical: 5
28        },
29        sluongReact:{
30            fontSize: 16,
31            color: "grey"
32        },
33    })
34
35    export default InteractionCount;
```

- CPost.js

```javascript
ai1 > components > JS CPost.js > [∅] Post
1  import React from 'react';
2  import { View, StyleSheet } from 'react-native';
3  import CAvtUser from './CAvtUser'
4  import CPostConten from './CPostContent'
5  import CInteractionCount from './CInteractionCount'
6  import CInteractionButtons from './CInteractionButtons'
7
8  const Post = ({ post, SuKienNutLike, SuKienNutCmt, SuKienNutShare }) => {
9      return (
10         <View style={styles.containerPost}>
11             <View style={styles.post}>
12                 <CAvtUser avatar={post.avatar} username={post.username} />
13                 <CPostConten noidung={post.noidung} image={post.image} />
14                 <CInteractionCount like={post.like} cmt={post.cmt} share={post.share} />
15                 <View style={styles.lineStyle}></View>
16                 <CInteractionButtons
17                     trangthai={post.trangthai}
18                     SuKienNutLike={SuKienNutLike}
19                     SuKienNutCmt={SuKienNutCmt}
20                     SuKienNutShare={SuKienNutShare}
21                     id={post.id}
22                 />
23             </View>
24         </View>
25     );
26 };
27     // Thạch Minh Luân - 22520827
```

```javascript
27     // Thạch Minh Luân - 22520827
28  const styles = StyleSheet.create({
29     containerPost: {
30         flex: 1,
31         backgroundColor: '#ffffff',
32     },
33     post:{
34         margin: 10,
35         backgroundColor: "#EFEFEF",
36         borderRadius: 10,
37         borderColor: '#306CFF',
38         borderWidth: 1
39     },
40
41     lineStyle: {
42         borderWidth: 0.5,
43         borderColor: "grey",
44         marginHorizontal: 10,
45         marginVertical: 4
46     },
47 });
48
49  export default Post;
50
```

- CPostContent.js

```js
import { View, Text, Image, StyleSheet } from "react-native";

const CPostContent = ({noidung, image}) => {
    return (
        <View>
            <Text style={styles.noidung}>{noidung}</Text>
            <Image style={styles.image} source={image} />
        </View>
    );
};
    // Thạch Minh Luân - 22520827
const styles = StyleSheet.create({
    noidung: {
        fontSize: 22,
        marginStart: 12
    },
    image: {
        width: 'auto',
        height: 400,
        borderRadius: 10,
        marginHorizontal: 7,
        marginVertical: 4
    },
});

export default CPostContent;
```

- App.js

```js
import { ScrollView, StyleSheet, Text, View, Image, TouchableOpacity } from 'react-native';
import { useState } from 'react';
import CHeader from './components/CHeader';
import Post from './components/CPost';

const App = () => {

    const [Posts, setPosts] = useState([...
    ]);

    // Thạch Minh Luân - 22520827
    const SuKienNutLike = (id) =>{
        const CapNhatPost = Posts.map(post => post.id === id ? (
            post.trangthai ? {...post, trangthai: false, like: post.like-1}
                        : {...post, trangthai: true, like: post.like+1}
        ) : post);
        setPosts(CapNhatPost);
    }

    const SuKienNutCmt = (id) =>{
        const CapNhatPost = Posts.map(post => post.id === id
            ? {...post, cmt: post.cmt+1}
            : post
        );
        setPosts(CapNhatPost);
    }

    const SuKienNutShare = (id) =>{
        const CapNhatPost = Posts.map(post => post.id === id
            ? {...post, share: post.share+1}
            : post
        );
        setPosts(CapNhatPost);
    }
```

```
69
70    // Thạch Minh Luân - 22520827
71 ∨  return (
72 ∨   <View style={styles.container}>
73 ∨     <ScrollView>
74         <CHeader/>
75 ∨       {Posts.map((item) => (
76           <Post
77 ∨         key={item.id}
78           post={item}
79           SuKienNutLike={SuKienNutLike}
80           SuKienNutCmt={SuKienNutCmt}
81           SuKienNutShare={SuKienNutShare}
82           />
83         ))}
84       </ScrollView>
85     </View>
86   );
87 }
88
89 ∨ const styles = StyleSheet.create({
90 ∨   container: {
91       flex: 1,
92       backgroundColor: '#ffffff',
93       marginTop: 50
94     },
95 });
96
97   export default App;
```

- Kết quả

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Bài 2: Settings and Feedback

- Cấu trúc các folder/file của dự án
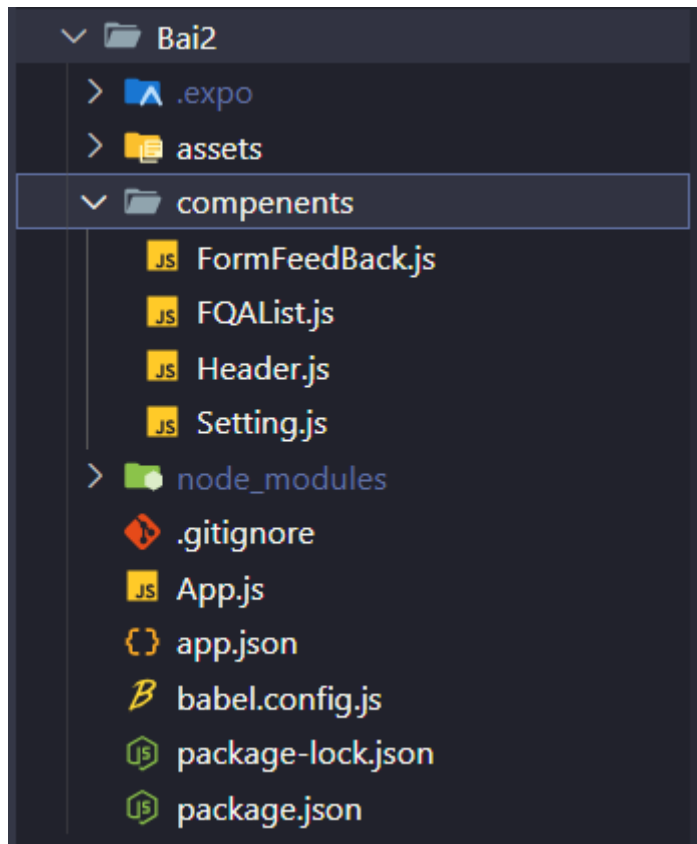
- Nội dung code
  - FormFeedBack.js

```js
import { View, Text, TextInput, Button, StyleSheet } from 'react-native';

const FormFeedBack= ({feedback, setFeedback, HandleSendFeedBack, isDarkMode}) => (
    <View>
        <Text style={[styles.fbtitle, isDarkMode ? styles.darkText : styles.lightText]}>Feedback</Text>
        <TextInput
            style={isDarkMode ? styles.darkInput : styles.lightInput}
            placeholder="Your feedback here.."
            placeholderTextColor={isDarkMode ? "#ccc" : "#666"}
            value={feedback}
            onChangeText={setFeedback}
        />
        <Button
            title='SEND FEEDBACK'
            onPress={HandleSendFeedBack}
        />
    </View>
)
// Thạch Minh Luân - 22520827
const styles = StyleSheet.create({
    darkText: {
        fontSize: 20,
        color: "#fff"
    },
```

```
19      )
20      // Thạch Minh Luân - 22520827
21      const styles = StyleSheet.create({
22          darkText: {
23              fontSize: 20,
24              color: "#fff"
25          },
26          lightText: {
27              fontSize: 20,
28              color: "#0a0a0a"
29          },
30          fbtitle: {
31              fontSize: 18,
32              padding: 5,
33              fontWeight: 'bold'
34          },
35          darkInput: {
36              borderWidth: 1,
37              borderRadius: 5,
38              padding: 10,
39              marginBottom: 10,
40              borderColor: '#555',
41              color: '#fff',
42          },
43          lightInput: {
44              borderWidth: 1,
45              borderRadius: 5,
46              padding: 10,
47              marginBottom: 10,
48              borderColor: '#ccc',
49              color: '#000',
50          },
51      });
52
53      export default FormFeedBack;
```

- FQAList.js

```js
import { ScrollView, Text, StyleSheet } from 'react-native';

const FAQList = ({ feedbackList, isDarkMode }) => (
    <ScrollView style={styles.listContainer}>
        <Text style={isDarkMode ? styles.darkText : styles.lightText}>Frequently Asked Questions</Text>
        {feedbackList.map((item, index) => (
            <Text key={index} style={isDarkMode ? styles.darkText : styles.lightText}>
                Q: {item}
            </Text>
        ))}
    </ScrollView>
);
// Thạch Minh Luân - 22520827
const styles = StyleSheet.create({
    listContainer: {
        marginTop: 20
    },
    darkText: {
        fontSize: 20,
        color: "#fff"
    },
    lightText: {
        fontSize: 20,
        color: "#0a0a0a"
    },
});

export default FAQList;
```

- Header.js

```js
import { View, Image, Text, StyleSheet } from "react-native"

const Header = ({ isDarkMode }) => (
  <View>
    <Image
      style={styles.logo}
      source={{ uri: 'https://www.scorchsoft.com/public/capabilities/head/react-native-logo-square.webp' }}
    />
    <Text style={[styles.title, isDarkMode ? styles.darkText : styles.lightText]}>React Native App</Text>
  </View>
);
// Thạch Minh Luân - 22520827
const styles = StyleSheet.create({
    logo: {
        height: 100,
        width: 100,
        borderRadius: 50,
        alignSelf: "center"
    },
    title: {
        fontSize: 28,
        fontWeight: "bold",
        alignSelf: "center"
    },
    darkText: {
        fontSize: 20,
        color: "#fff"
    },
    lightText: {
        fontSize: 20,
        color: "#0a0a0a"
    },
})

export default Header;
```

- Setting.js

```
Bai2 > compenents > JS Setting.js > ...
  1
  2    import { View, StyleSheet, Text, Switch } from "react-native"
  3
  4    const Settings = ({isDarkMode, setIsDarkMode, isNotificationsEnabled, setIsNotificationsEnabled}) => {
  5        return (
  6            <View>
  7                    <View style={styles.switchContainer}>
  8                        <Text style={isDarkMode ? styles.darkText : styles.lightText}>Dark mode</Text>
  9                        <Switch value={isDarkMode} onValueChange={setIsDarkMode}/>
 10                    </View>
 11
 12                    <View style={styles.switchContainer}>
 13                        <Text style={isDarkMode ? styles.darkText : styles.lightText}>Notifications</Text>
 14                        <Switch value={isNotificationsEnabled} onValueChange={setIsNotificationsEnabled}/>
 15                    </View>
 16            </View>
 17        )
 18    }
 19    // Thạch Minh Luân - 22520827
 20    const styles = StyleSheet.create ({
 21        switchContainer:{
 22            flexDirection: 'row',
 23            justifyContent: 'space-between',
 24            alignItems: 'center',
 25            marginBottom: 5,
 26            paddingHorizontal: 20
 27        },
 28        darkText: {
 29            fontSize: 20,
 30            color: "#fff"
 31        },
 32        lightText: {
 33            fontSize: 20,
 34            color: "#0a0a0a"
 35        },
 36    })
 37
 38    export default Settings;
```

- App.js

```
Bai2 > js App.js > [@] App
  4    import FormFeedback from './compenents/FormFeedback ';
  5    import FAQList from './compenents/FQAList';
  6    import Settings from './compenents/Setting';
  7
  8    const App = () => {
  9    // Thạch Minh Luân - 22520827
 10      const [isDarkMode, setIsDarkMode] = useState(false);
 11      const [isNotificationsEnabled, setIsNotificationsEnabled] = useState(true);
 12      const [feedback, setFeedback] = useState('');
 13      const [feedbackList, setFeedbackList] = useState([]);
 14
 15      const HandleSendFeedBack = () => {
 16        if (feedback === '') return;
 17        setFeedbackList([feedback,...feedbackList]);
 18        setFeedback('');
 19        if(isNotificationsEnabled)
 20          Alert.alert('Thank you for your feedback!');
 21      }
 22
 23      return (
 24        <View style={[styles.container, isDarkMode ? styles.darkContainer : styles.lightContainer]}>
 25          <Header isDarkMode={isDarkMode}/>
 26          <Settings
 27            isDarkMode={isDarkMode}
 28            setIsDarkMode={setIsDarkMode}
 29            isNotificationsEnabled={isNotificationsEnabled}
 30            setIsNotificationsEnabled={setIsNotificationsEnabled}
 31          />
 32
 33          <FormFeedBack
 34            feedback={feedback}
 35            setFeedback={setFeedback}
 36            HandleSendFeedBack={HandleSendFeedBack}
 37            isDarkMode={isDarkMode}
 38          />
 39
 40          <FAQList
 41            feedbackList={feedbackList}
 42            isDarkMode={isDarkMode}
 43          />
 44        </View>
 45      );
 46    };
```

```
 48
 49    const styles = StyleSheet.create({
 50      container: {
 51        flex: 1,
 52        padding: 20,
 53        paddingTop: 100
 54      },
 55      darkContainer: {
 56        backgroundColor: "#333"
 57      },
 58      lightContainer: {
 59        backgroundColor: "#fff"
 60      },
 61      // Thạch Minh Luân - 22520827
 62      logo: {
 63        height: 100,
 64        width: 100,
 65        borderRadius: 50,
 66        alignSelf: "center"
 67      },
 68      title: {
 69        fontSize: 28,
 70        fontWeight: "bold",
 71        alignSelf: "center"
 72      },
 73      fbtitle: {
 74        fontSize: 18,
 75        padding: 5,
 76        fontWeight: 'bold'
 77      },
 78      darkInput: {
 79        borderWidth: 1,
 80        borderRadius: 5,
 81        padding: 10,
 82        marginBottom: 10,
 83        borderColor: '#555',
 84        color: '#fff',
 85      },
```

```
 71        alignSelf: "center"
 72      },
 73      fbtitle: {
 74        fontSize: 18,
 75        padding: 5,
 76        fontWeight: 'bold'
 77      },
 78      darkInput: {
 79        borderWidth: 1,
 80        borderRadius: 5,
 81        padding: 10,
 82        marginBottom: 10,
 83        borderColor: '#555',
 84        color: '#fff',
 85      },
 86      lightInput: {
 87        borderWidth: 1,
 88        borderRadius: 5,
 89        padding: 10,
 90        marginBottom: 10,
 91        borderColor: '#ccc',
 92        color: '#000',
 93      },
 94      listContainer: {
 95        marginTop: 20
 96      }
 97    });
 98    // Thạch Minh Luân - 22520827
 99    export default App;
100
```

- Kết quả:

IE307 – Công nghệ lập trình đa nền tảng cho ứng dụng di động
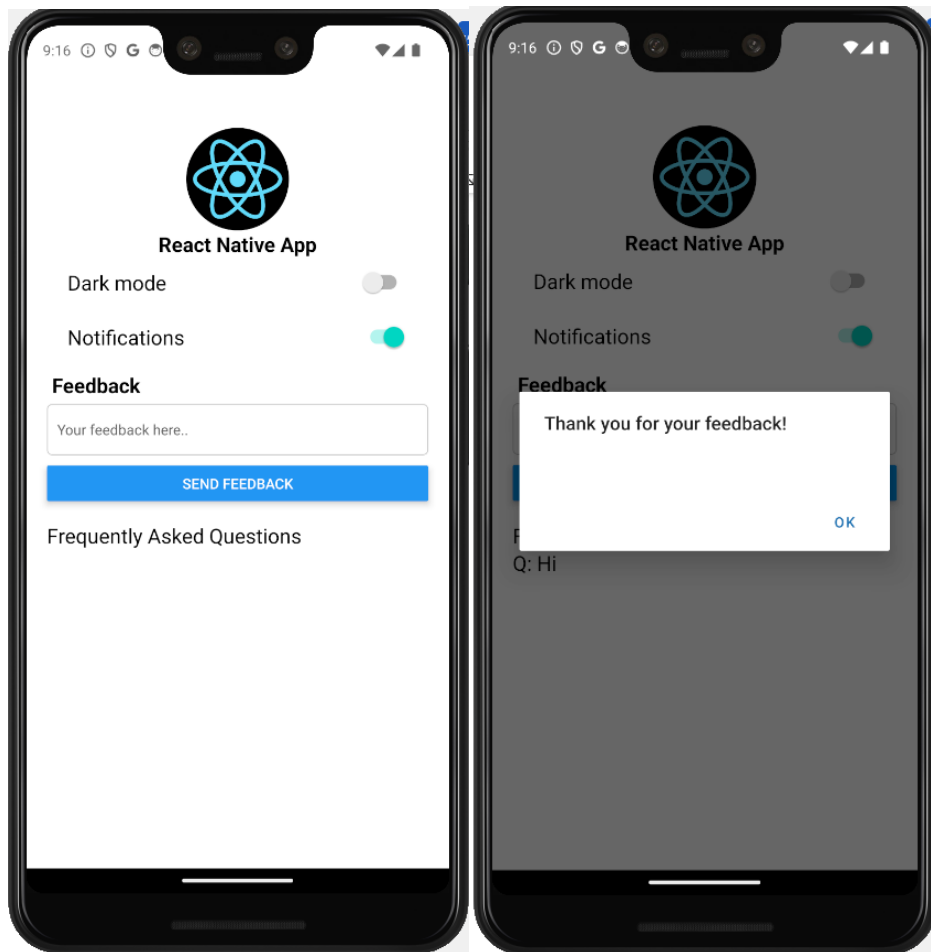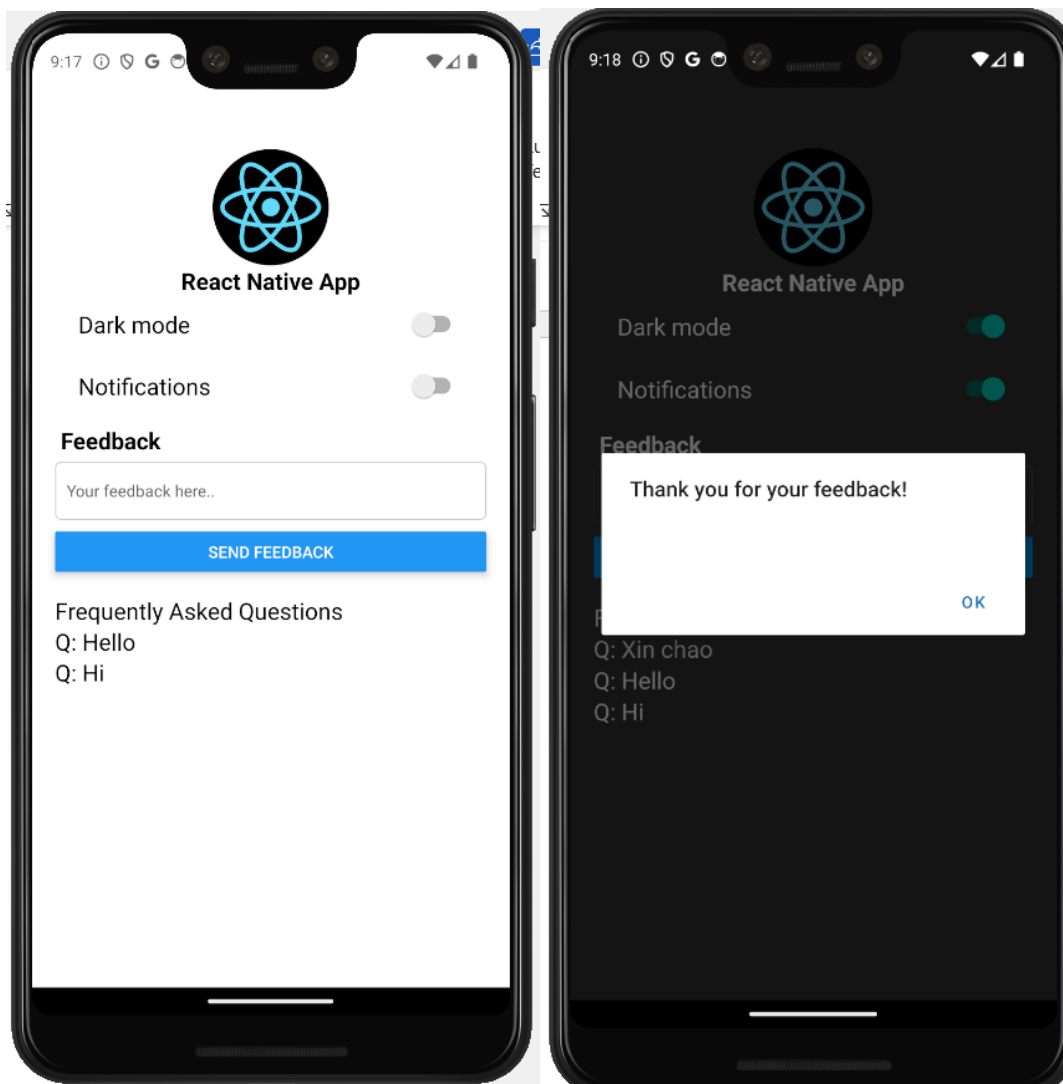
Bài 3: React Navigation

- Cấu trúc các folder/file của dự án
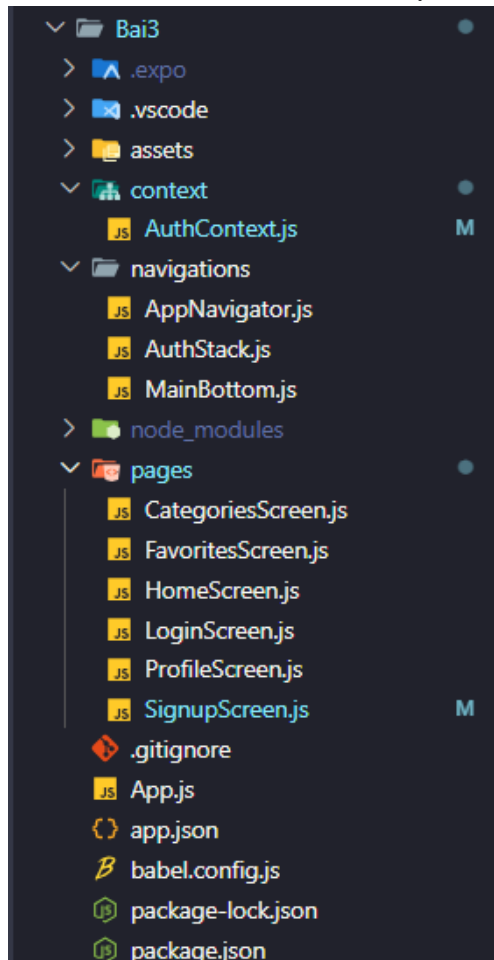
- Nội dung code
  - AuthContext.js

```js
import React, { useState, createContext } from 'react';

export const AuthContext = createContext();

export const AuthProvider = ({ children }) => {
  const [isAuthenticated, setIsAuthenticated] = useState(false);

  const login = (email, password) => {
    if (email === '22520827@gm.uit.edu.vn' && password === 'thachminhluan') {
      setIsAuthenticated(true);
    } else {
      alert('Invalid email or password');
    }
  };
  // Thạch Minh Luân - 22520827
  const logout = () => {
    setIsAuthenticated(false);
  };

  return (
    <AuthContext.Provider value={{isAuthenticated, login, logout }}>
      {children}
    </AuthContext.Provider>
  );
};
```

- AuthStack.js

```js
Bai3 > navigations > Js AuthStack.js > ...
1    import { createStackNavigator } from '@react-navigation/stack';
2    import LoginScreen from '../pages/LoginScreen';
3    import SignupScreen from '../pages/SignupScreen';
4
5    const Stack = createStackNavigator();
6    // Thạch Minh Luân - 22520827
7    const AuthStack = () => {
8      return (
9        <Stack.Navigator initialRouteName="Login">
10          <Stack.Screen
11            name="Login"
12            component={LoginScreen}
13            options={{headerShown: false}}/>
14          <Stack.Screen
15            name="Signup"
16            component={SignupScreen}
17            options={{headerShown: false}}/>
18        </Stack.Navigator>
19      );
20    };
21
22    export default AuthStack;
```

- LoginScreen.js

```js
Bai3 > pages > Js LoginScreen.js > [@] LoginScreen
1    import React, { useContext, useState } from 'react';
2    import { View, Text, TextInput, StyleSheet, Image, TouchableOpacity } from 'react-native';
3    import { AuthContext } from '../context/AuthContext';
4
5    const LoginScreen = ({ navigation }) => {
6      const {login} = useContext(AuthContext);
7      const [email, setEmail] = useState('');
8      const [password, setPassword] = useState('');
9      // Thạch Minh Luân - 22520827
10     return (
11       <View style={styles.viewCha}>
12         <View>
13           <Image
14             style={styles.logo}
15             source={{ uri: 'https://www.scorchsoft.com/public/capabilities/head/react-native-logo-square.webp' }}
16           />
17           <Text style={styles.title}>Welcome</Text>
18         </View>
19         <View style={styles.container}>
20           <View style={styles.viewInput}>
21             <Image
22               style={styles.icon}
23               source={{uri: "https://cdn-icons-png.flaticon.com/128/646/646094.png"}}/>
24             <TextInput
25               style={styles.input}
26               value={email}
27               onChangeText={setEmail}
28               placeholder="Email"
29               placeholderTextColor={"#666"}
30             />
31           </View>
```

```
32
33            <View style={styles.viewInput}>
34              <Image
35                style={styles.icon}
36                source={{uri: "https://cdn-icons-png.flaticon.com/128/9512/9512572.png"}}/>
37              <TextInput
38                style = {styles.input}
39                value={password}
40                onChangeText={setPassword}
41                placeholder="Password"
42                placeholderTextColor={"#666"}
43                secureTextEntry={true}
44                />
45            </View>
46            <Text style={styles.forgotpw}>Forgot password?</Text>
47            {/*  Thạch Minh Luân - 22520827 */}
48            <TouchableOpacity
49              style={styles.btnLogin}
50              onPress={() => login(email, password)}
51            >
52              <Text style={styles.txtLogin}>LOG IN</Text>
53            </TouchableOpacity>
54
55            {/* dang nhap bang pthuc khac */}
56            <Text style={styles.loginwith}>Or login with</Text>
57
58            <View style={styles.viewLoginWith}>
59              <Image
60                style={styles.iconLoginWith}
61                source={{uri: "https://cdn-icons-png.flaticon.com/128/5968/5968764.png"}}/>
62              <Image
63                style={styles.iconLoginWith}
64                source={{uri: "https://cdn-icons-png.flaticon.com/128/281/281764.png"}}/>
65            </View>
```

```
66
67            <View style={styles.viewNoAcc}>
68              <Text style={styles.txtNoAcc}>Don't have account?</Text>
69              <Text
70                style={styles.signup}
71                onPress={() => navigation.navigate('Signup')}>Sign up here!</Text>
72            </View>
73            </View>
74          </View>
75        );
76      };
77      // Thạch Minh Luân - 22520827
78      const styles = StyleSheet.create({
79        viewCha: {
80          paddingTop: 100
81        },
82        container:{
83          alignItems: "center"
84        },
85        logo: {
86          height: 100,
87          width: 100,
88          borderRadius: 50,
89          alignSelf: "center"
90        },
91        title: {
92          fontSize: 28,
93          fontWeight: "bold",
94          alignSelf: "center"
95        },
96        viewInput: {
97          borderWidth: 1,
98          height: 40,
99          width: '70%',
100         margin: 12,
101         padding: 10,
102         flexDirection: "row",
103         alignItems: "center",
104         borderRadius: 10
```

```
106     icon: {
107       height: 24,
108       width:24,
109     },
110     input: {
111       marginStart: 15,
112       width: '85%'
113     },
114     forgotpw: {
115       width: '30%',
116       alignSelf: "flex-end",
117       marginEnd: 50,
118       marginBottom: 10,
119       color: "red"
120     },
121     btnLogin: {
122       backgroundColor: "orange",
123       width: '70%',
124       height: 40,
125       borderRadius: 5,
126       alignSelf: "center"
127     },
128     // Thạch Minh Luân - 22520827
129     txtLogin: {
130       fontSize: 30,
131       fontWeight: "bold",
132       alignSelf: "center",
133       color: "white"
134     },
135     loginwith: {
136       alignSelf: "center",
137       marginTop: 15,
138       fontSize: 20,
139       fontWeight: "bold"
140     },
141     iconLoginWith: {
142       width: 50,
143       height: 50,
144       alignSelf: "center",
145       marginHorizontal: 15
146     },
147     viewLoginWith: {
```

```
146        },
147      viewLoginWith: {
148          width: 'auto',
149          height: 50,
150          flexDirection: "row",
151          alignItems: "center",
152          marginVertical: 15
153      },
154      viewNoAcc: {
155          flexDirection: "row",
156          alignItems: "center",
157      },
158      txtNoAcc: {
159          fontSize: 20
160      },
161          // Thạch Minh Luân - 22520827
162      signup: {
163          width: 'auto',
164          marginStart: 5,
165          fontSize: 20,
166          fontWeight: "bold",
167          color: "blue",
168      }
169  })
170
171  export default LoginScreen;
172
```

o SignupScreen.js

```
Bai3 > pages > JS SignupScreen.js > [∅] SignupScreen
1
2    import { View, TextInput, StyleSheet, Image, Text, TouchableOpacity } from 'react-native';
3
4    const SignupScreen = ({navigation}) => {
5      // Thạch Minh Luân - 22520827
6      return (
7        <View style={styles.viewCha}>
8          <View>
9            <Image
10             style={styles.logo}
11             source={{ uri: 'https://www.scorchsoft.com/public/capabilities/head/react-native-logo-square.webp' }}
12           />
13           <Text style={styles.title}>Create New Account</Text>
14         </View>
15         <View style={styles.container}>
16           <View style={styles.viewInput}>
17             <Image
18               style={styles.icon}
19               source={{uri: "https://cdn-icons-png.flaticon.com/128/1077/1077063.png"}}/>
20             <TextInput
21               style={styles.input}
22               placeholder="Enter username"
23               placeholderTextColor={"#666"}
24             />
25           </View>
26
27           <View style={styles.viewInput}>
28             <Image
29               style={styles.icon}
30               source={{uri: "https://cdn-icons-png.flaticon.com/128/542/542638.png"}}/>
31             <TextInput
32               style={styles.input}
33               placeholder="Enter email"
34               placeholderTextColor={"#666"}
35             />
36           </View>
```

```jsx
38              <View style={styles.viewInput}>
39                <Image
40                  style={styles.icon}
41                  source={{uri: "https://cdn-icons-png.flaticon.com/128/9512/9512572.png"}}/>
42                <TextInput
43                  style={styles.input}
44                  placeholder="Enter password"
45                  placeholderTextColor={"#666"}
46                  secureTextEntry={true}
47                  />
48              </View>
49
50              <View style={styles.viewInput}>
51                <Image
52                  style={styles.icon}
53                  source={{uri: "https://cdn-icons-png.flaticon.com/128/9512/9512572.png"}}/>
54                <TextInput
55                  style={styles.input}
56                  placeholder="Confirm password"
57                  placeholderTextColor={"#666"}
58                  secureTextEntry={true}
59                  />
60              </View>
61
62              <TouchableOpacity
63                style={styles.btnCreate}
64              >
65                <Text style={styles.txtCreate}>CREATE</Text>
66              </TouchableOpacity>
67
68
69
70          <View style={styles.viewHaveAcc}>
71            <Text style={styles.txtHaveAcc}>Already have an account</Text>
72            <Text
73              style={styles.login}
74              onPress={() => navigation.navigate('Login')}>Login now!</Text>
75          </View>
76          </View>
77        </View>
78      );
79    }
```

```jsx
82    const styles = StyleSheet.create({
83      viewCha: {
84        paddingTop: 100
85      },
86      container:{
87        alignItems: "center"
88      },
89      logo: {
90        height: 100,
91        width: 100,
92        borderRadius: 50,
93        alignSelf: "center"
94      },
95      title: {
96        fontSize: 28,
97        fontWeight: "bold",
98        alignSelf: "center"
99      },
100     // Thạch Minh Luân - 22520827
101     viewInput: {
102       borderWidth: 1,
103       height: 40,
104       width: '70%',
105       margin: 12,
106       padding: 10,
107       flexDirection: "row",
108       alignItems: "center",
109       borderRadius: 10
110     },
111     icon: {
112       height: 24,
113       width:24,
114     },
115     input: {
116       marginStart: 15,
117       width: '85%'
118     },
```

```
119     btnCreate: {
120       backgroundColor: "orange",
121       width: '70%',
122       height: 40,
123       borderRadius: 5,
124       alignSelf: "center",
125       marginVertical: 15
126     },
127     txtCreate: {
128       fontSize: 30,
129       fontWeight: "bold",
130       alignSelf: "center",
131       color: "white"
132     },
133     viewHaveAcc: {
134       flexDirection: "row",
135       alignItems: "center",
136     },
137     txtHaveAcc: {
138       fontSize: 20
139     },
140     // Thạch Minh Luân - 22520827
141     login: {
142       width: 'auto',
143       marginStart: 5,
144       fontSize: 20,
145       fontWeight: "bold",
146       color: "blue",
147     }
148   })
149
150   export default SignupScreen;
151
```

- o HomeScreen.js

```
Bai3 > pages > JS HomeScreen.js > ...
  1
  2   import { View, Text, StyleSheet } from 'react-native';
  3
  4   const HomeScreen = () => {
  5     return (
  6       <View style={styles.container}>
  7         <Text>HomeScreen</Text>
  8       </View>
  9     );
 10   };
 11   // Thạch Minh Luân - 22520827
 12   const styles = StyleSheet.create({
 13     container: {
 14       alignItems: "center",
 15       marginTop: 100
 16     }
 17   })
 18
 19   export default HomeScreen;
 20
```

- o CatagoriesScreen.js

```js
Bai3 > pages > JS CategoriesScreen.js > ...
1
2    import { View, Text, StyleSheet } from 'react-native';
3
4    const CategoriesScreen = () => {
5
6      return (
7        <View style={styles.container}>
8          <Text>CategoriesScreen</Text>
9        </View>
10     );
11   };
12   // Thạch Minh Luân - 22520827
13   const styles = StyleSheet.create({
14     container: {
15       alignItems: "center",
16       marginTop: 100
17     }
18   })
19
20   export default CategoriesScreen;
21
```

- o FavoritesScreen.js

```js
Bai3 > pages > JS FavoritesScreen.js > ...
1
2    import { View, Text, StyleSheet } from 'react-native';
3
4    const FavoritesScreen = () => {
5
6      return (
7        <View style={styles.container}>
8          <Text>FavoritesScreen</Text>
9        </View>
10     );
11   };
12   // Thạch Minh Luân - 22520827
13   const styles = StyleSheet.create({
14     container: {
15       alignItems: "center",
16       marginTop: 100
17     }
18   })
19
20   export default FavoritesScreen;
21
```

o ProfileScreen.js

```js
Bai3 > pages > JS ProfileScreen.js > ...
1   import React, { useContext } from 'react';
2   import { View, Button, Text, StyleSheet } from 'react-native';
3   import { AuthContext } from '../context/AuthContext';
4
5   const ProfileScreen = () => {
6     const { logout } = useContext(AuthContext);
7
8     return (
9       <View style={styles.container}>
10        <Text>ProfileScreen</Text>
11        <Button title="LOG OUT" onPress={() => logout()} />
12      </View>
13    );
14  };
15  // Thạch Minh Luân - 22520827
16  const styles = StyleSheet.create({
17    container: {
18      alignItems: "center",
19      marginTop: 100
20    }
21  })
22
23  export default ProfileScreen;
24
```

o MainBottom.js

```js
Bai3 > navigations > JS MainBottom.js > ...
1   import { createBottomTabNavigator } from '@react-navigation/bottom-tabs';
2   import HomeScreen from '../pages/HomeScreen';
3   import CategoriesScreen from '../pages/CategoriesScreen';
4   import FavoritesScreen from '../pages/FavoritesScreen';
5   import ProfileScreen from '../pages/ProfileScreen';
6   import Entypo from '@expo/vector-icons/Entypo';
7   import MaterialIcons from '@expo/vector-icons/MaterialIcons';
8   import FontAwesome from '@expo/vector-icons/FontAwesome';
9   import { View, Text, StyleSheet } from 'react-native';
10
11  const Tab = createBottomTabNavigator();
12  // Thạch Minh Luân - 22520827
13  const MainBottom = () => {
14    return (
15      <Tab.Navigator>
16        <Tab.Screen
17          name="Home"
18          component={HomeScreen}
19          options={{
20            headerShown: false,
21            tabBarIcon: ({color}) => <Entypo name="home" size={24} color={color}/>
22          }}
23        />
24        <Tab.Screen
25          name="Categories"
26          component={CategoriesScreen}
27          options={{
28            headerShown: false,
29            tabBarIcon: ({color}) => <MaterialIcons name="category" size={24} color={color} />
30          }}
31        />
32        <Tab.Screen
33          name="Favorites"
34          component={FavoritesScreen}
35          options={{
36            headerShown: false,
37            tabBarIcon: ({color}) => (
38              <View>
39                <MaterialIcons name="favorite" size={24} color={color} />
40                <View style={styles.huyhieu}>
41                  <Text style={styles.txt}>3</Text>
42                </View>
43              </View>
```

```
Bai3 > navigations > JS MainBottom.js > ...
13   const MainBottom = () => {
37           tabBarIcon: ({color}) => (
44             ),
45
46         }}
47       />
48       <Tab.Screen
49         name="Profile"
50         component={ProfileScreen}
51         options={{
52           headerShown: false,
53           tabBarIcon: ({color}) => <FontAwesome name="user" size={24} color={color} />
54         }}
55       />
56     </Tab.Navigator>
57   );
58 };
59 // Thạch Minh Luân - 22520827
60 const styles = StyleSheet.create({
61   huyhieu: {
62     position: 'absolute',
63     right: -6,
64     top: -3,
65     backgroundColor: 'red',
66     borderRadius: 6,
67     width: 16,
68     height: 16,
69     justifyContent: 'center',
70     alignItems: 'center',
71   },
72   txt: {
73     color: 'white',
74     fontSize: 12,
75     fontWeight: 'bold'
76   }
77 })
78
79 export default MainBottom;
80
```
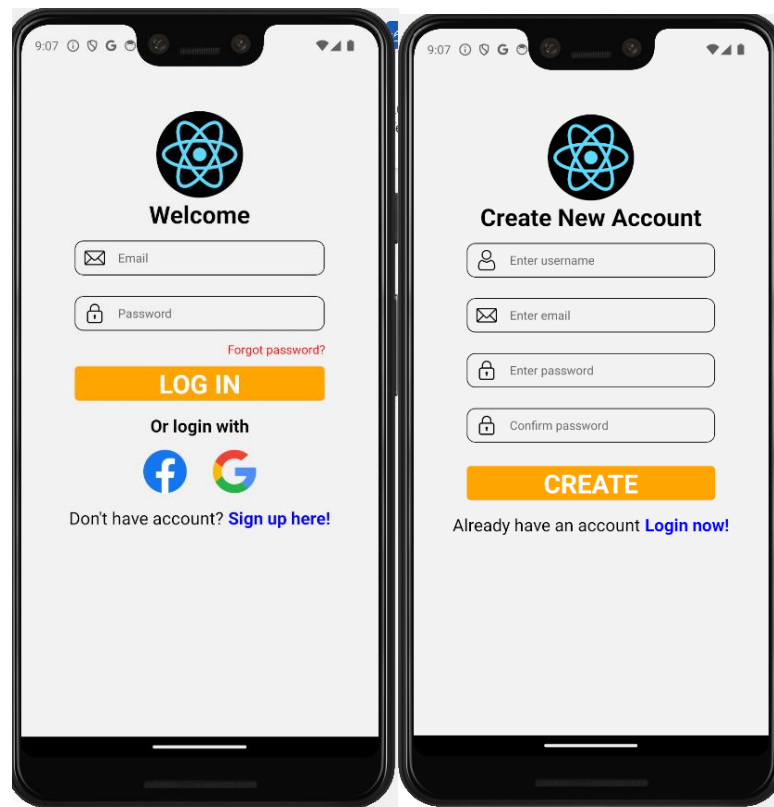
o AppNavigator.js

```
Bai3 > navigations > JS AppNavigator.js > ...
1  import React, { useState, useContext } from 'react';
2  import { NavigationContainer } from '@react-navigation/native';
3  import AuthStack from './AuthStack';
4  import MainBottom from './MainBottom';
5  import { AuthContext } from '../context/AuthContext';
6
7  // Thạch Minh Luân - 22520827
8  const AppNavigator = () => {
9
10   const {isAuthenticated} = useContext(AuthContext);
11
12   return (
13     <NavigationContainer>
14       { isAuthenticated  ? <MainBottom/> : <AuthStack/>}
15     </NavigationContainer>
16   );
17 };
18 export default AppNavigator;
19
```
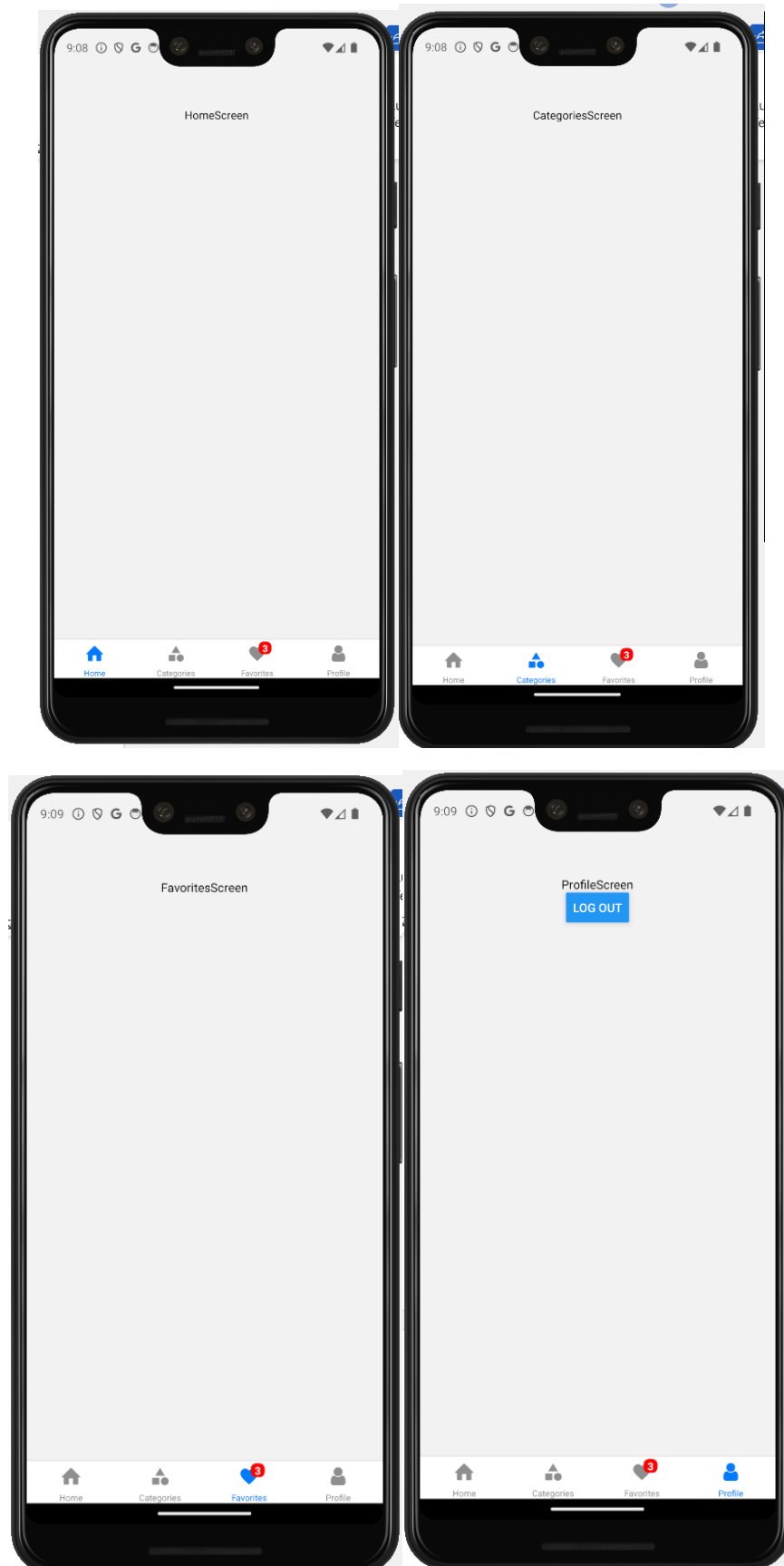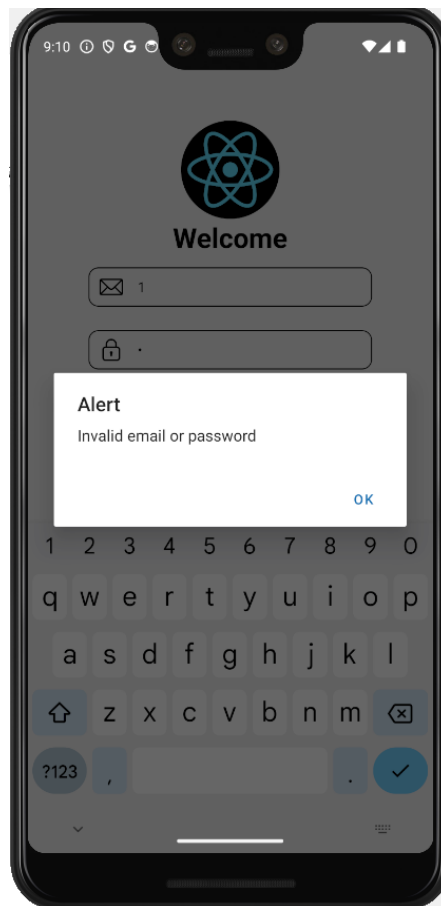
o App.js

```
Bai3 > JS App.js > ...
  1
  2    import { AuthProvider } from './context/AuthContext';
  3    import AppNavigator from './navigations/AppNavigator';
  4    // Thạch Minh Luân - 22520827
  5    const App = () => {
  6      return (
  7        <AuthProvider>
  8          <AppNavigator/>
  9        </AuthProvider>
 10      );
 11    };
 12
 13    export default App;
 14
```

• Kết quả

Link Google Drive video: Video