

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

---oOo---



**BÁO CÁO THỰC HÀNH 2:
CUSTOM COMPONENTS, REACT NAVIGATION
MÔN HỌC: CÔNG NGHỆ LẬP TRÌNH ĐA NỀN
TẢNG CHO ỨNG DỤNG DI ĐỘNG (IE307.Q12)**

Sinh viên thực hiện:

Võ Nhật Phương – 22521172

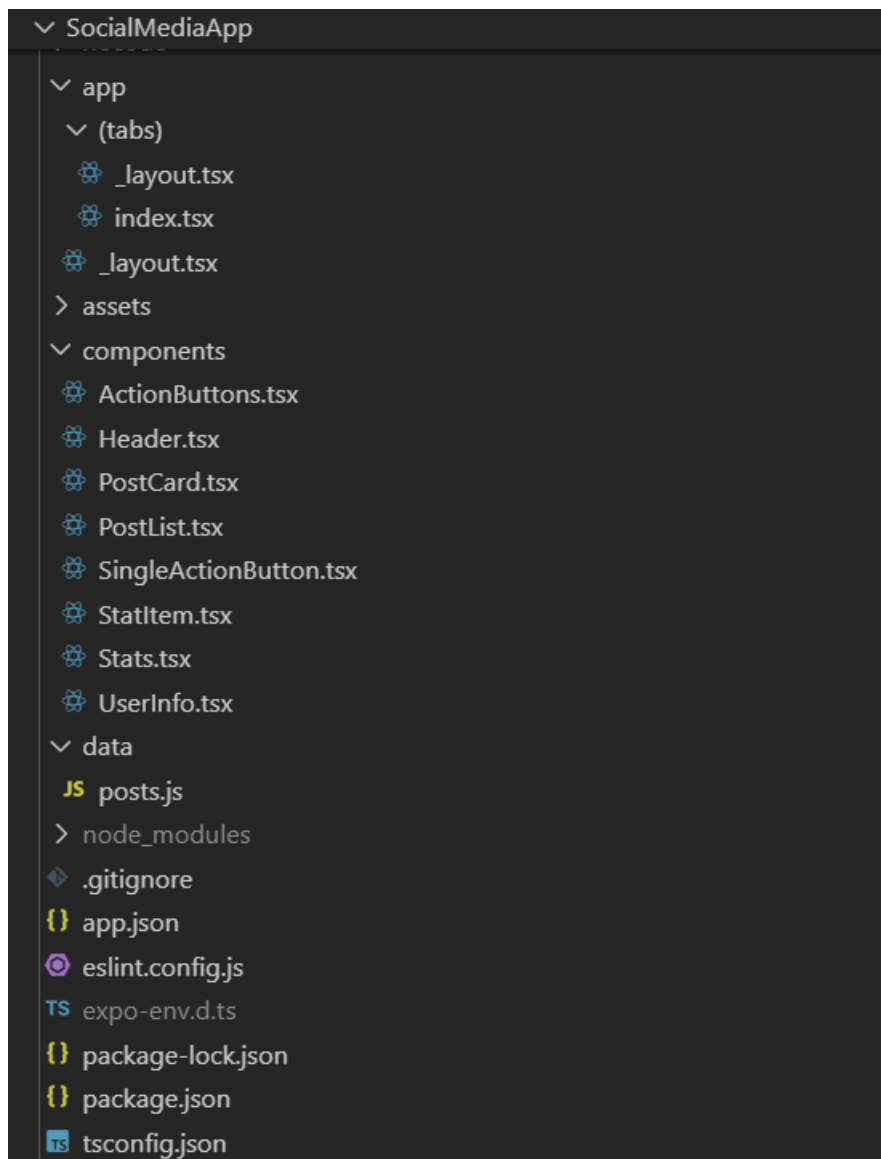
Giảng viên hướng dẫn:

Phạm Nhật Duy

Thành phố Hồ Chí Minh, tháng 11 năm 2025

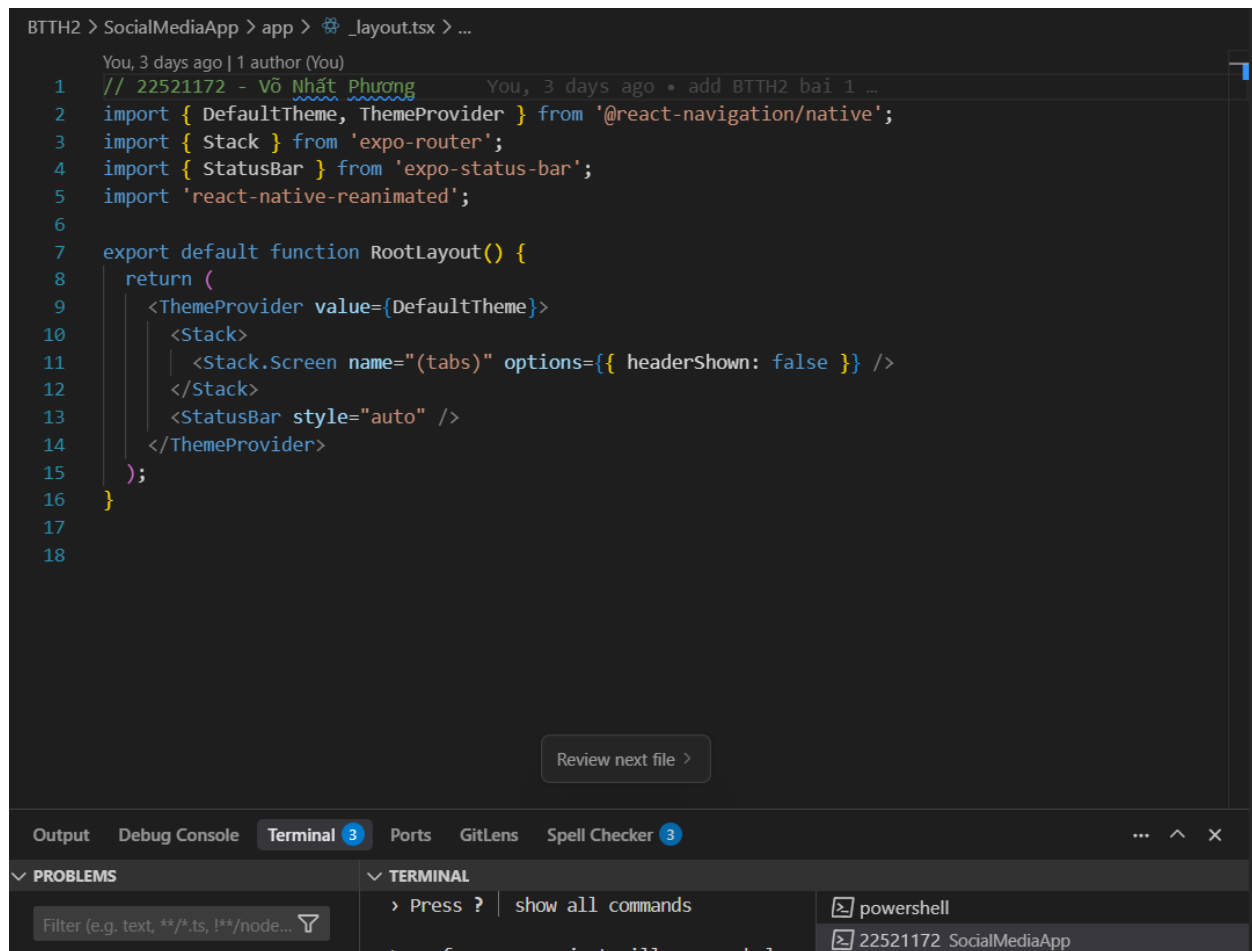
1. Bài 1: Social Media Feed (cont.)

1.1. Cấu trúc các folders / files của dự án.



1.2. Nội dung file _layout.js

Công nghệ lập trình đa nền tảng cho ứng dụng di động - IE307.Q12



```
BTTH2 > SocialMediaApp > app > _layout.tsx > ...
You, 3 days ago | 1 author (You)
1 // 22521172 - Võ Nhật Phương You, 3 days ago • add BTTH2 bài 1 ...
2 import { DefaultTheme, ThemeProvider } from '@react-navigation/native';
3 import { Stack } from 'expo-router';
4 import { StatusBar } from 'expo-status-bar';
5 import 'react-native-reanimated';
6
7 export default function RootLayout() {
8   return (
9     <ThemeProvider value={DefaultTheme}>
10     <Stack>
11       <Stack.Screen name="(tabs)" options={{ headerShown: false }} />
12     </Stack>
13     <StatusBar style="auto" />
14   </ThemeProvider>
15 );
16 }
17
18
```

Review next file >

Output Debug Console Terminal 3 Ports GitLens Spell Checker 3

PROBLEMS

Filter (e.g. text, **/*.ts, !**/node...) 🔍

TERMINAL

> Press ? | show all commands

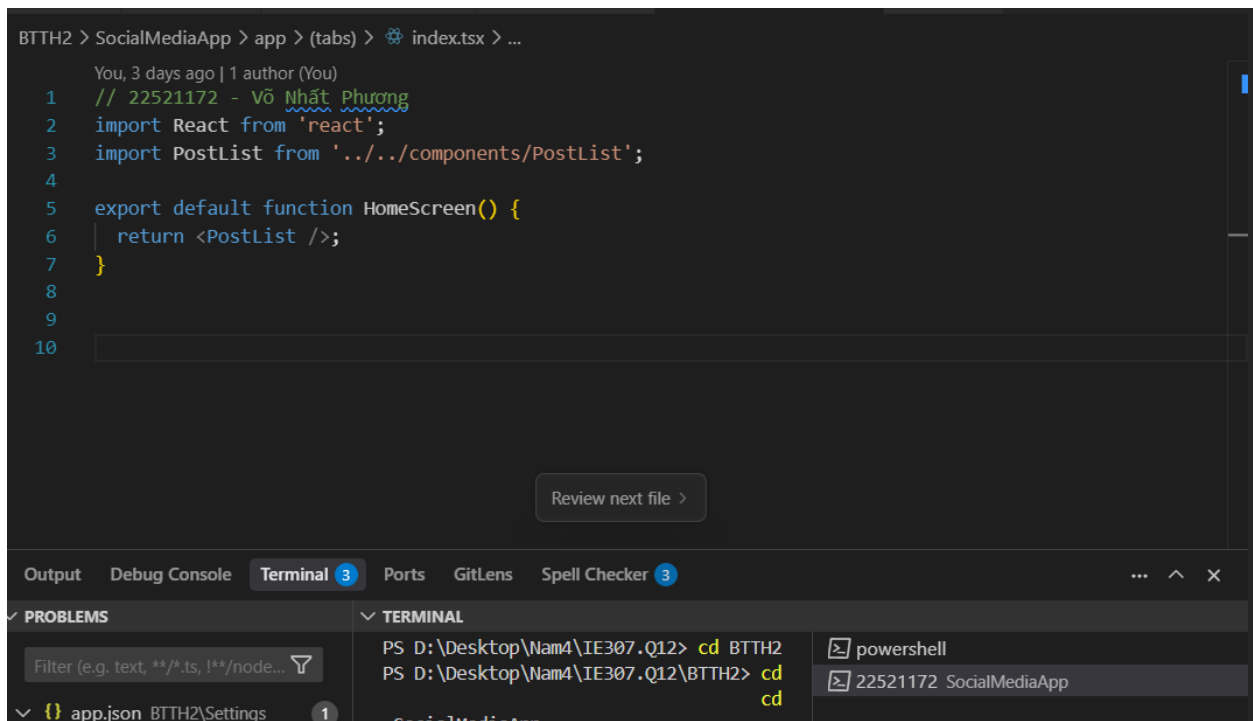
Log for your project will appear here

powershell

22521172 SocialMediaApp

1.3. Nội dung file index.js trong thư mục (tabs)

Công nghệ lập trình đa nền tảng cho ứng dụng di động - IE307.Q12



The screenshot shows the Visual Studio Code interface. The top part is the code editor, displaying the file path `BTTH2 > SocialMediaApp > app > (tabs) > index.tsx > ...`. The code content is as follows:

```
You, 3 days ago | 1 author (You)
1 // 22521172 - Võ Nhật Phương
2 import React from 'react';
3 import PostList from '../components/PostList';
4
5 export default function HomeScreen() {
6   return <PostList />;
7 }
8
9
10
```

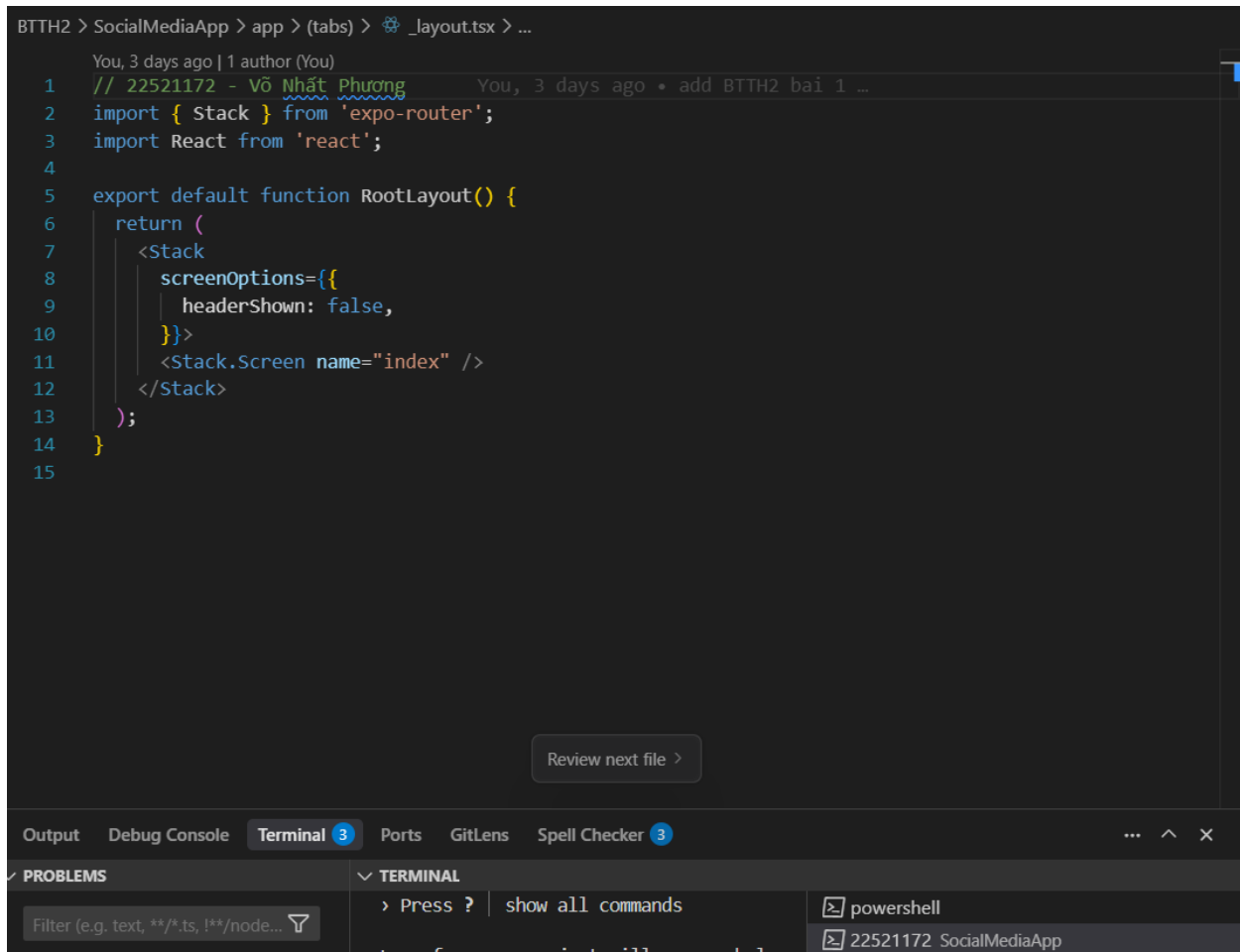
Below the code editor is the integrated terminal and sidebar. The terminal shows the following commands and output:

```
PS D:\Desktop\Nam4\IE307.Q12> cd BTTH2
PS D:\Desktop\Nam4\IE307.Q12\BTTH2> cd
cd
```

The sidebar on the left shows the 'PROBLEMS' panel with a filter input and a list of files including `app.json` and `BTTH2\Settings`. The 'TERMINAL' panel shows the current directory structure.

1.3. Nội dung file `_layout.tsx` trong thư mục (tabs)

Công nghệ lập trình đa nền tảng cho ứng dụng di động - IE307.Q12



The screenshot shows a code editor window with the following content:

```
BTTH2 > SocialMediaApp > app > (tabs) > _layout.tsx > ...  
You, 3 days ago | 1 author (You)  
1 // 22521172 - Võ Nhật Phương You, 3 days ago • add BTTH2 bài 1 ...  
2 import { Stack } from 'expo-router';  
3 import React from 'react';  
4  
5 export default function RootLayout() {  
6   return (  
7     <Stack  
8       screenOptions={{  
9         headerShown: false,  
10      }}>  
11     <Stack.Screen name="index" />  
12   </Stack>  
13   );  
14 }  
15
```

Below the code editor, there is a toolbar with buttons: Output, Debug Console, Terminal (3), Ports, GitLens, and Spell Checker (3). The bottom panel is divided into two sections: PROBLEMS and TERMINAL. The PROBLEMS section has a filter input. The TERMINAL section shows a list of terminal sessions: powershell and 22521172 SocialMediaApp.

1.4. Nội dung file posts.js trong thư mục data

Công nghệ lập trình đa nền tảng cho ứng dụng di động - IE307.Q12

```
BTTH2 > SocialMediaApp > data > JS posts.js > ...
You, 3 days ago | 1 author (You)
1 // 22521172 - Võ Nhật Phương You, 3 days ago • add BTTH2 bài 1 ...
2 export const postData = [
3   {
4     id: 1,
5     username: "Traveler",
6     avatar: require("../assets/images/avatar-3.jpg"),
7     content: "Exploring ancient ruins in a distant land. ✈️🌍",
8     image: require("../assets/images/image-3.jpg"),
9     likes: 1033,
10    comments: 79,
11    shares: 15,
12    isLiked: false
13  },
14
15  {
16    id: 2,
17    username: "Thalassophile",
18    avatar: require("../assets/images/avatar-4.jpg"),
19    content: "Enjoying a beautiful day at the beach! 🌊🌴",
20    image: require("../assets/images/image-4.jpg"),
21    likes: 211,
22    comments: 18,
23    shares: 10,
24    isLiked: false
25  },
26  // 22521172 - Võ Nhật Phương
27  {
```

Output Debug Console Terminal 6 Ports GitLens Spell Checker 6

PROBLEMS

Filter (e.g. text, **/*.ts, !**/node...) 🔍

TERMINAL

Press ? | show all commands

Log for your project will appear below

powershell

22521172 SocialMediaApp

Công nghệ lập trình đa nền tảng cho ứng dụng di động - IE307.Q12

```
BTTH2 > SocialMediaApp > data > JS posts.js > ...
2   export const postData = [
25  },
26  // 22521172 - Võ Nhật Phương
27  {
28    id: 3,
29    username: "ArtEnthusiast",
30    avatar: require("../assets/images/avatar-1.jpg"),
31    content: "Create a vibrant painting inspired by nature. 🌸 🌿",
32    image: require("../assets/images/image-1.jpg"),
33    likes: 4170,
34    comments: 663,
35    shares: 58,
36    isLiked: false
37  },
38  {
39    id: 4,
40    username: "NatureLover",
41    avatar: require("../assets/images/avatar-2.jpg"),
42    content: "Admiring the beauty of the mountains. 🏔️ 🌄",
43    image: require("../assets/images/image-2.jpg"),
44    likes: 602,
45    comments: 114,
46    shares: 73,
47    isLiked: false
48  }
49 ];
50
```

Output Debug Console Terminal 6 Ports GitLens Spell Checker 6

▼ PROBLEMS

Filter (e.g. text, **/*.ts, !**/node...) 🔍

▼ TERMINAL

> Press ? | show all commands

Log for your project will appear here

📄 powershell

📄 22521172 SocialMediaApp

1.5. Nội dung file components/Header.tsx

Công nghệ lập trình đa nền tảng cho ứng dụng di động - IE307.Q12

```
BTTH2 > SocialMediaApp > components > Header.tsx > Header

You, 3 days ago | 1 author (You)
1 // 22521172 - Võ Nhật Phương
2 import React from 'react';
3 import { View, Text, StyleSheet } from 'react-native';
4
5 You, 3 days ago | 1 author (You)
6 interface HeaderProps {
7   title: string;
8 }
9
10 const Header = ({ title }: HeaderProps) => {
11   return (
12     <View style={styles.header}>
13       <Text style={styles.headerTitle}>{title}</Text>
14     </View>
15   );
16 }
17
18 const styles = StyleSheet.create({
19   header: {
20     backgroundColor: '#3598DB',
21     paddingVertical: 20,
22     paddingHorizontal: 20,
23     alignItems: 'center',
24   },
25   headerTitle: {
26     fontSize: 20,
```

Output Debug Console Terminal 10 Ports GitLens Spell Checker 10

▼ PROBLEMS

Filter (e.g. text, **/*.ts, !**/node...)

▼ TERMINAL

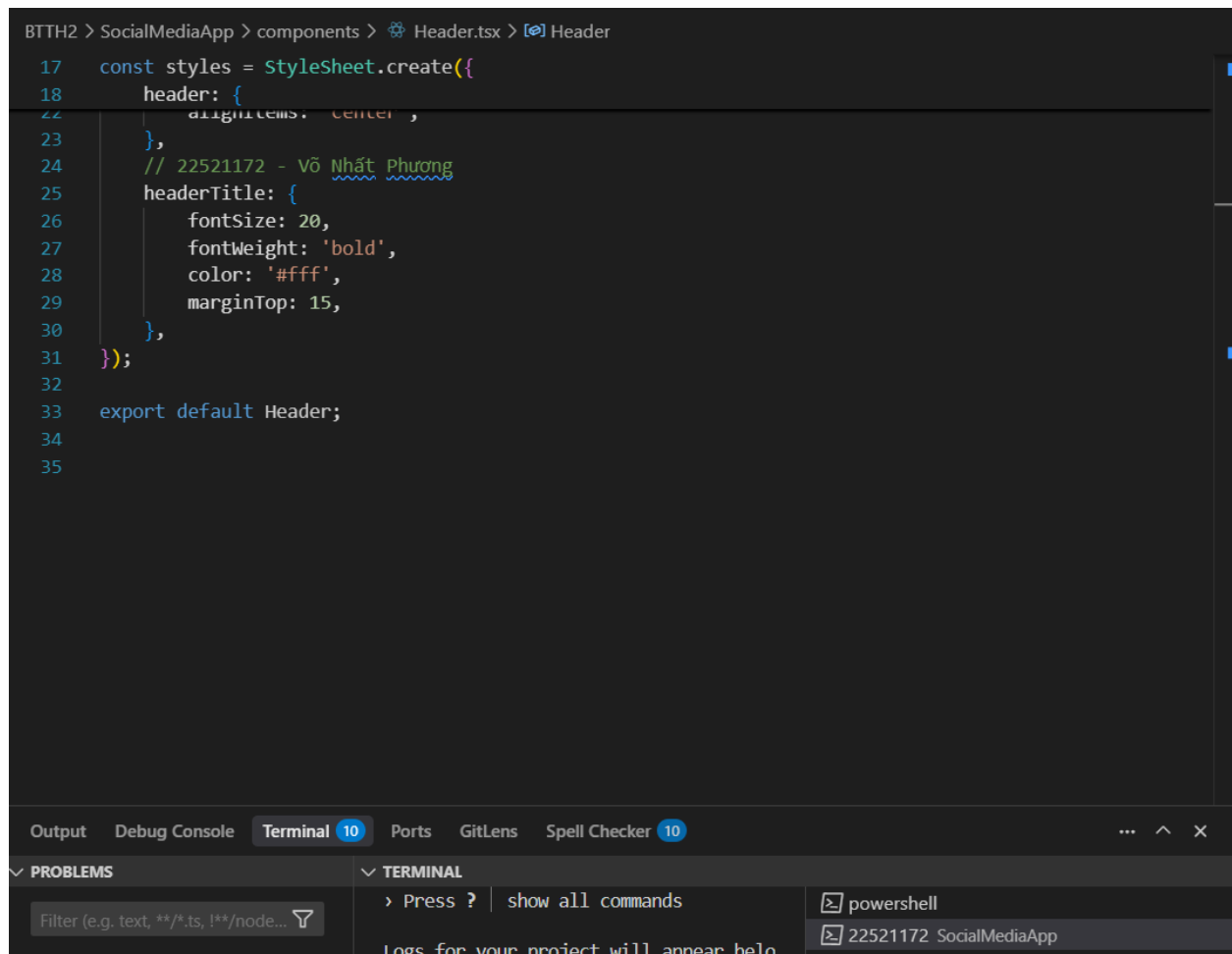
> Press ? | show all commands

Log for your project will appear here

powershell

22521172 SocialMediaApp

Công nghệ lập trình đa nền tảng cho ứng dụng di động - IE307.Q12



```
BTTH2 > SocialMediaApp > components > Header.tsx > Header
17  const styles = StyleSheet.create({
18    header: {
22      alignItems: 'center',
23    },
24    // 22521172 - Võ Nhất Phương
25    headerTitle: {
26      fontSize: 20,
27      fontWeight: 'bold',
28      color: '#fff',
29      marginTop: 15,
30    },
31  });
32
33  export default Header;
34
35
```

Output Debug Console Terminal 10 Ports GitLens Spell Checker 10

PROBLEMS

Filter (e.g. text, **/*.ts, !**/node...

TERMINAL

> Press ? | show all commands

Logs for your project will appear below

powershell

22521172 SocialMediaApp

1.6. Nội dung file components/UserInfo.tsx

Công nghệ lập trình đa nền tảng cho ứng dụng di động - IE307.Q12

```
BTTH2 > SocialMediaApp > components > UserInfo.tsx > UserInfo

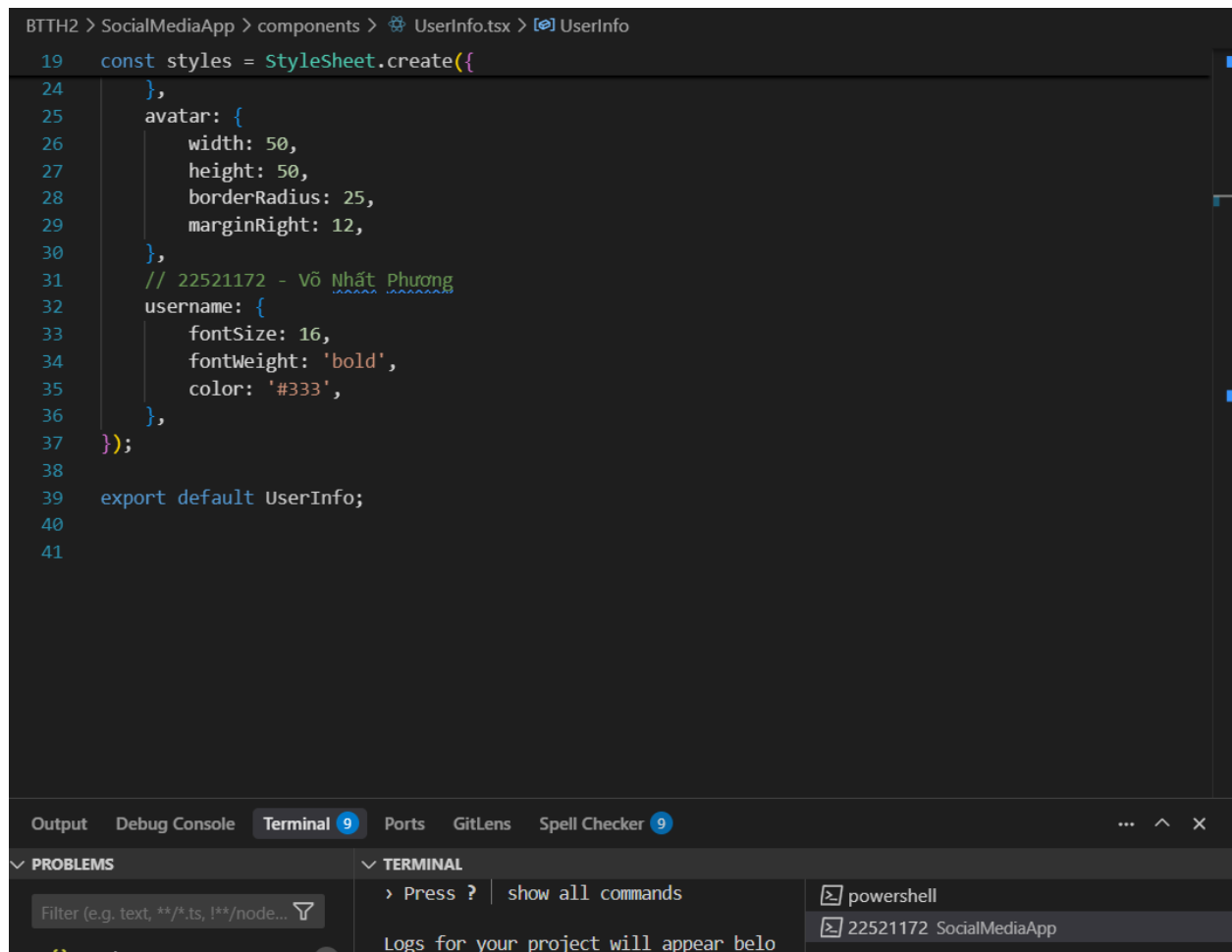
You, 2 minutes ago | 1 author (You)
1 // 22521172 - Võ Nhật Phương
2 import React from 'react';
3 import { View, Text, Image, StyleSheet } from 'react-native';
4
You, 3 days ago | 1 author (You)
5 interface UserInfoProps {
6   avatar: any;
7   username: string;
8 }
9
10 const UserInfo = ({ avatar, username }: UserInfoProps) => {
11   return (
12     <View style={styles.container}>
13       <Image source={avatar} style={styles.avatar} resizeMode="cover" />
14       <Text style={styles.username}>{username}</Text>
15     </View>
16   );
17 };
18
19 const styles = StyleSheet.create({
20   container: {
21     flexDirection: 'row',
22     alignItems: 'center',
23     marginBottom: 12,
24   },
25   avatar: {
26     width: 50,
```

Output Debug Console Terminal 9 Ports GitLens Spell Checker 9

PROBLEMS TERMINAL

Filter (e.g. text, **/*.ts, !**/*.node...) Press ? show all commands powershell 22521172 SocialMediaApp

Công nghệ lập trình đa nền tảng cho ứng dụng di động - IE307.Q12



```
BTTH2 > SocialMediaApp > components > UserInfo.tsx > UserInfo
19  const styles = StyleSheet.create({
24    },
25    avatar: {
26      width: 50,
27      height: 50,
28      borderRadius: 25,
29      marginRight: 12,
30    },
31    // 22521172 - Võ Nhật Phương
32    username: {
33      fontSize: 16,
34      fontWeight: 'bold',
35      color: '#333',
36    },
37  });
38
39  export default UserInfo;
40
41
```

Output Debug Console Terminal 9 Ports GitLens Spell Checker 9

PROBLEMS

TERMINAL

> Press ? | show all commands

Log for your project will appear below

powershell

22521172 SocialMediaApp

1.7. Nội dung file components/ActionButtons.tsx

Công nghệ lập trình đa nền tảng cho ứng dụng di động - IE307.Q12

```
BTTH2 > SocialMediaApp > components > ActionButtons.tsx > ActionButtonsProps > isLiked

You, 3 days ago | 1 author (You)
1 // 22521172 - Võ Nhật Phương
2 import React from 'react';
3 import { View, StyleSheet, Alert } from 'react-native';
4 import SingleActionButton from './SingleActionButton';
5
You, 3 days ago | 1 author (You)
6 interface ActionButtonsProps {
7   isLiked: boolean;
8   onLike: () => void;
9   onComment: () => void;
10  onShare: () => void;
11 }
12
13 const ActionButtons = ({ isLiked, onLike, onComment, onShare }: ActionButtonsProps) => {
14   const handleLike = () => {
15     onLike();
16   };
17
18   const handleComment = () => {
19     onComment();
20     Alert.alert("Comment", "You have added a new comment!");
21   };
22
23   const handleShare = () => {
24     onShare();
25     Alert.alert("Share", "The post has been shared!");
26   };
27 }
```

Output Debug Console Terminal 11 Ports GitLens Spell Checker 11

▼ PROBLEMS

Filter (e.g. text, **/*.ts, !*/node...) 🔍

▼ TERMINAL

> Press ? | show all commands

Log for your project will appear here

📄 powershell

📄 22521172 SocialMediaApp

Công nghệ lập trình đa nền tảng cho ứng dụng di động - IE307.Q12

```
BTTH2 > SocialMediaApp > components > ActionButtons.tsx > ActionButtons
13  const ActionButtons = ({ isLiked, onLike, onComment, onShare }: ActionButtonsProps) => {
23    const handleShare = () => {
26  };
27  // 22521172 - Võ Nhật Phương You, 1 second ago • Uncommitted changes
28  return (
29    <View style={styles.container}>
30      <SingleActionButton
31        icon={isLiked ? "thumbs-up" : "thumbs-o-up"}
32        label="Likes"
33        onPress={handleLike}
34        isActive={isLiked}
35      />
36      <SingleActionButton
37        icon="comment-o"
38        label="Comments"
39        onPress={handleComment}
40        isActive={false}
41      />
42      <SingleActionButton
43        icon="share"
44        label="Shares"
45        onPress={handleShare}
46        isActive={false}
47      />
48    </View>
49  );
50  };
```

Output Debug Console Terminal 13 Ports GitLens Spell Checker 13

PROBLEMS TERMINAL

Filter (e.g. text, **/*.ts, !*/node...) > Press ? | show all commands powershell

22521172 SocialMediaApp

Logs for your project will appear below

```
51  // 22521172 - Võ Nhật Phương
52  const styles = StyleSheet.create({
53    container: {
54      flexDirection: 'row',
55      justifyContent: 'space-around',
56      alignItems: 'center',
57    },
58  });
59
60  export default ActionButtons;
61
62
```

Output Debug Console Terminal 15 Ports GitLens Spell Checker 15

PROBLEMS TERMINAL

Filter (e.g. text, **/*.ts, !*/node...) > Press ? | show all commands powershell

22521172 SocialMediaApp

Logs for your project will appear below

1.8. Nội dung file components/SingleActionButton.tsx

Công nghệ lập trình đa nền tảng cho ứng dụng di động - IE307.Q12

```
BTTH2 > SocialMediaApp > components > SingleActionButton.tsx > SingleActionButton

You, 3 days ago | 1 author (You)
1 // 22521172 - Võ Nhất Phương
2 import React from 'react';
3 import { Pressable, Text, StyleSheet } from 'react-native';
4 import { FontAwesome } from '@expo/vector-icons';
5
You, 3 days ago | 1 author (You)
6 interface SingleActionButtonProps {
7   icon: string;
8   label: string;
9   onPress: () => void;
10  isActive?: boolean;
11 }
12
13 const SingleActionButton = ({ icon, label, onPress, isActive = false }: SingleActionButtonProps) => {
14   return (
15     <Pressable style={styles.actionButton} onPress={onPress}>
16       <FontAwesome
17         name={icon as any}
18         size={18}
19         style={[styles.icon, isActive ? styles.iconActive : styles.iconDefault]}
20       />
21       <Text style={[styles.actionButtonText, isActive && styles.activeText]}>
22         {label}
23       </Text>
24     </Pressable>
25   );
26 };

Output Debug Console Terminal 18 Ports GitLens Spell Checker 18
PROBLEMS TERMINAL
Filter (e.g. text, **/*.ts, !**/node...)
> Press ? | show all commands powershell
22521172 SocialMediaApp
Logs for your project will appear here
```

Công nghệ lập trình đa nền tảng cho ứng dụng di động - IE307.Q12

```
28 | // 22521172 - Võ Nhật Phương
29 | const styles = StyleSheet.create({
30 |   actionButton: {
31 |     flex: 1,
32 |     flexDirection: 'row',
33 |     paddingVertical: 6,
34 |     paddingHorizontal: 12,
35 |     alignItems: 'center',
36 |     justifyContent: 'center',
37 |     borderRadius: 8,
38 |     marginHorizontal: 4,
39 |   },
40 |   icon: {
41 |     marginRight: 6,
42 |   },
43 |   iconActive: {
44 |     color: '#1976d2',
45 |   },
46 |   iconDefault: {
47 |     color: '#666',
48 |   },
49 |   actionButtonText: {
50 |     fontSize: 13,
51 |     fontWeight: '600',
52 |     color: '#666',
53 |   },
54 |   activeText: {
55 |     color: '#1976d2',
56 |   },
57 | });
58 |
59 | export default SingleActionButton;
60 |
61 |
```

Output Debug Console Terminal 18 Ports GitLens Spell Checker 18

PROBLEMS

Filter (e.g. text, **/*.ts, !**/node_modules/**)

TERMINAL

Press ? | show all commands

powershell

22521172 SocialMediaApp

1.9. Nội dung file components/PostCard.tsx

Công nghệ lập trình đa nền tảng cho ứng dụng di động - IE307.Q12

```
BTTH2 > SocialMediaApp > components > PostCard.tsx > [e] PostCard

You, 6 minutes ago | 1 author (You)
1 // 22521172 - Võ Nhật Phương
2 import React, { useState } from 'react';
3 import { View, Text, Image, StyleSheet } from 'react-native';
4 import UserInfo from './UserInfo';
5 import Stats from './Stats';
6 import ActionButtons from './ActionButtons';
7
8 You, 3 days ago | 1 author (You)
9 interface Post {
10   id: number;
11   username: string;
12   avatar: any;
13   content: string;
14   image: any;
15   likes: number;
16   comments: number;
17   shares: number;
18   isLiked: boolean;
19 }
20
21 You, 3 days ago | 1 author (You)
22 interface PostCardProps {
23   post: Post;
24   onUpdatePost: (postId: number, updates: any) => void;
25 }
26
27 const PostCard = ({ post, onUpdatePost }: PostCardProps) => {
28   const [isLiked, setIsLiked] = useState(post.isLiked);
29   const [likeCount, setLikeCount] = useState(post.likes);
30   const [commentCount, setCommentCount] = useState(post.comments);
31   const [shareCount, setShareCount] = useState(post.shares);
32
33   // 22521172 - Võ Nhật Phương
34   const handleLike = () => {
35     if (isLiked) {
36       // ...
37     }
38   }
39 }
40
41
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99
100
```

Output Debug Console Terminal 26 Ports GitLens Spell Checker 26

▼ PROBLEMS

Filter (e.g. text, **/*.ts, !**/node_modules/**)

▼ TERMINAL

Press ? | show all commands

powershell

22521172 SocialMediaApp

Công nghệ lập trình đa nền tảng cho ứng dụng di động - IE307.Q12

```
BTTH2 > SocialMediaApp > components > PostCard.tsx > PostCard
25 const PostCard = ({ post, onUpdatePost }: PostCardProps) => {
26
31 // 22521172 - Võ Nhật Phương
32 const handleLike = () => {
33   if (isLiked) {
34     setIsLiked(false);
35     setLikeCount(likeCount - 1);
36     onUpdatePost(post.id, { isLiked: false, likes: likeCount - 1 });
37   } else {
38     setIsLiked(true);
39     setLikeCount(likeCount + 1);
40     onUpdatePost(post.id, { isLiked: true, likes: likeCount + 1 });
41   }
42 };
43
44 const handleComment = () => {
45   setCommentCount(commentCount + 1);
46   onUpdatePost(post.id, { comments: commentCount + 1 });
47 };
48
49 const handleShare = () => {
50   setShareCount(shareCount + 1);
51   onUpdatePost(post.id, { shares: shareCount + 1 });
52 };
53
54 return (
55   <View style={styles.postContainer}>
56     <UserInfo avatar={post.avatar} username={post.username} />
57
58     <Text style={styles.content}>{post.content}</Text>
59
60     <Image source={post.image} style={styles.postImage} resizeMode="cover" />
61
62     <Stats likes={likeCount} comments={commentCount} shares={shareCount} />
63
64     </* 22521172 - Võ Nhật Phương */>
65   </View>
66 );
```

Output Debug Console Terminal 26 Ports GitLens Spell Checker 26

PROBLEMS

TERMINAL

Press ? show all commands

powershell

22521172 SocialMediaApp

Công nghệ lập trình đa nền tảng cho ứng dụng di động - IE307.Q12

```
BTTH2 > SocialMediaApp > components > PostCard.tsx > [0] PostCard
25  const PostCard = ({ post, onUpdatePost }: PostCardProps) => {
62      /* 22521172 - Võ Nhật Phương */
63      <Stats likes={likeCount} comments={commentCount} shares={shareCount} />
64
65      <View style={styles.separator} />
66
67      <ActionButton
68        isLiked={isLiked}
69        onLike={handleLike}
70        onComment={handleComment}
71        onShare={handleShare}
72      />
73    </View>
74  );
75  };
76
77  const styles = StyleSheet.create({
78    postContainer: {
79      backgroundColor: 'fff',
80      marginVertical: 8,
81      marginHorizontal: 16,
82      borderRadius: 12,
83      padding: 16,
84      shadowColor: 'black',
85      shadowOffset: {
86        width: 0,
87        height: 2,
88      },
89      shadowOpacity: 0.1,
90      shadowRadius: 3.84,
91      elevation: 5,
92    },
93    content: {
94      fontSize: 14,
95      color: 'black',
96      marginBottom: 12,
97    },
98  });
```

Output Debug Console Terminal 26 Ports GitLens Spell Checker 26

PROBLEMS

Filter (e.g. text, **/*.ts, !**/node_modules/**)

TERMINAL

> Press ? | show all commands

Log: for your project will appear below. Press Ctrl+C to exit

powershell

22521172 SocialMediaApp

```
BTTH2 > SocialMediaApp > components > PostCard.tsx > styles
77  const styles = StyleSheet.create({
78    postContainer: {
79      elevation: 5,
80    },
81  },
82  /* 22521172 - Võ Nhật Phương */
83  content: {
84    fontSize: 14,
85    color: '#333',
86    marginBottom: 12,
87    lineHeight: 22,
88  },
89  'You, 3 days ago • add BTTH2 bài 1',
90  postImage: {
91    width: '100%',
92    height: 250,
93    borderRadius: 8,
94    marginBottom: 12,
95  },
96  separator: {
97    height: 1,
98    backgroundColor: '#e0e0e0',
99    marginVertical: 8,
100  },
101  });
102
103 export default PostCard;
104
105
106
107
108
109
110
111
112
113
114
115
```

Output Debug Console Terminal 26 Ports GitLens Spell Checker 26

PROBLEMS

Filter (e.g. text, **/*.ts, !**/node...) ▼

TERMINAL

Press ? | show all commands

powershell

22521172 SocialMediaApp

Logs for your project will appear here

1.10. Nội dung file components/PostList.tsx

Công nghệ lập trình đa nền tảng cho ứng dụng di động - IE307.Q12

```
BTTH2 > SocialMediaApp > components > PostList.tsx > ...
You, 1 second ago | 1 author (You)
// 22521172 - Võ Nhật Phương
1 import React, { useState } from 'react';
2 import { View, ScrollView, StyleSheet, SafeAreaView } from 'react-native';
3 import PostCard from './PostCard';
4 import Header from './Header';
5 import { postsData } from '../data/posts';
6
7
8 const PostList = () => {
9   const [posts, setPosts] = useState(postsData);
10
11   const handleUpdatePost = (postId: number, updates: any) => {
12     setPosts(prevPosts =>
13       prevPosts.map(post =>
14         post.id === postId ? { ...post, ...updates } : post
15       )
16     );
17   };
18
19   return (
20     <SafeAreaView style={styles.container}>
21       <Header title="Social Media Feed" />
22
23       <ScrollView
24         style={styles.scrollView}
25         showsVerticalScrollIndicator={false}
26         contentContainerStyle={styles.scrollContent}
27       >
28         {posts.map(post => (
29           <PostCard
30             key={post.id}
31             post={post}
32             onUpdatePost={handleUpdatePost}
33           />
34         ))}
35       </ScrollView>
36     </SafeAreaView>
37   );
38 };

```

Output Debug Console Terminal 30 Ports GitLens Spell Checker 30

PROBLEMS

app.json BTTH2\Settings 1

"settingsapp": Unkno... cSpell [Ln 8, Col 16]

TERMINAL

powershell

22521172 SocialMediaApp

```
39 // 22521172 - Võ Nhật Phương
40 const styles = StyleSheet.create({
41   container: {
42     flex: 1,
43     backgroundColor: '#f5f5f5',
44   },
45   scrollView: {
46     flex: 1,
47   },
48   scrollContent: {
49     paddingBottom: 20,
50   },
51 });
52
53 export default PostList;
54

```

Output Debug Console Terminal 30 Ports GitLens Spell Checker 30

PROBLEMS

app.json BTTH2\Settings 1

"settingsapp": Unkno... cSpell [Ln 8, Col 16]

TERMINAL

powershell

22521172 SocialMediaApp

1.11. Nội dung file components/StatItem.tsx

Công nghệ lập trình đa nền tảng cho ứng dụng di động - IE307.Q12

```
BTTH2 > SocialMediaApp > components > StatItem.tsx > ...
You, 3 days ago | 1 author (You)
1 // 22521172 - Võ Nhật Phương
2 import React from 'react';
3 import { Text, StyleSheet } from 'react-native';
4
5 You, 3 days ago | 1 author (You)
6 interface StatItemProps {
7   text: string;
8 }
9
10 const StatItem = ({ text }: StatItemProps) => {
11   return <Text style={styles.statsText}>{text}</Text>;
12 };
13
14 const styles = StyleSheet.create({
15   statsText: {
16     flex: 1,
17     fontSize: 13,
18     color: '#A0A1A0',
19     fontWeight: '500',
20     textAlign: 'center',
21   },
22 });
23
24 export default StatItem;
25
```

Output Debug Console **Terminal 32** Ports GitLens Spell Checker 32

▼ PROBLEMS

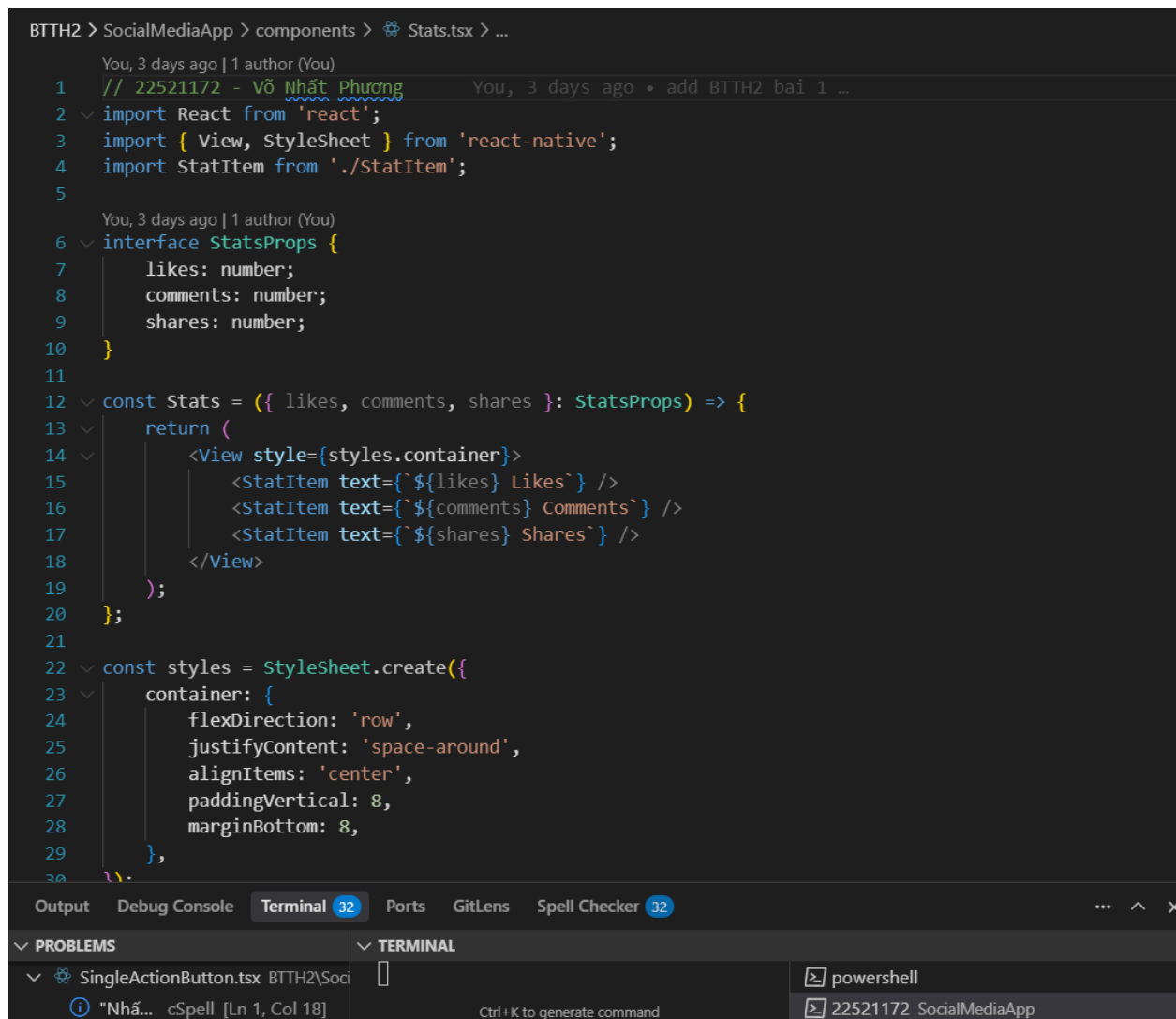
- app.json BTTH2\Settings 1
- "setti... cSpell [Ln 8, Col 16]

▼ TERMINAL

- powershell
- 22521172 SocialMediaApp

1.12. Nội dung file components/Stats.tsx

Công nghệ lập trình đa nền tảng cho ứng dụng di động - IE307.Q12



```
BTTH2 > SocialMediaApp > components > Stats.tsx > ...  
You, 3 days ago | 1 author (You)  
1 // 22521172 - Võ Nhật Phương You, 3 days ago • add BTTH2 bài 1 ...  
2 import React from 'react';  
3 import { View, StyleSheet } from 'react-native';  
4 import StatItem from './StatItem';  
5  
You, 3 days ago | 1 author (You)  
6 interface StatsProps {  
7   likes: number;  
8   comments: number;  
9   shares: number;  
10 }  
11  
12 const Stats = ({ likes, comments, shares }: StatsProps) => {  
13   return (  
14     <View style={styles.container}>  
15       <StatItem text={`${likes} Likes`} />  
16       <StatItem text={`${comments} Comments`} />  
17       <StatItem text={`${shares} Shares`} />  
18     </View>  
19   );  
20 };  
21  
22 const styles = StyleSheet.create({  
23   container: {  
24     flexDirection: 'row',  
25     justifyContent: 'space-around',  
26     alignItems: 'center',  
27     paddingVertical: 8,  
28     marginBottom: 8,  
29   },  
30 });
```

Output Debug Console Terminal 32 Ports GitLens Spell Checker 32

PROBLEMS

- SingleActionButton.tsx BTTH2\Soc
"Nhấ... cSpell [Ln 1, Col 18]

TERMINAL

- powershell
- 22521172 SocialMediaApp

Công nghệ lập trình đa nền tảng cho ứng dụng di động - IE307.Q12

```
23     container: {
24       justifyContent: 'space-around',
25       alignItems: 'center',
26       paddingVertical: 8,
27       marginBottom: 8,
28     },
29   },
30 });
31
32 export default Stats;
33
34
```

Output Debug Console Terminal 32 Ports GitLens Spell Checker 32

PROBLEMS

SingleActionButton.tsx BTTH2\Soci

"Nhấ... cSpell [Ln 1, Col 18]

TERMINAL

powershell

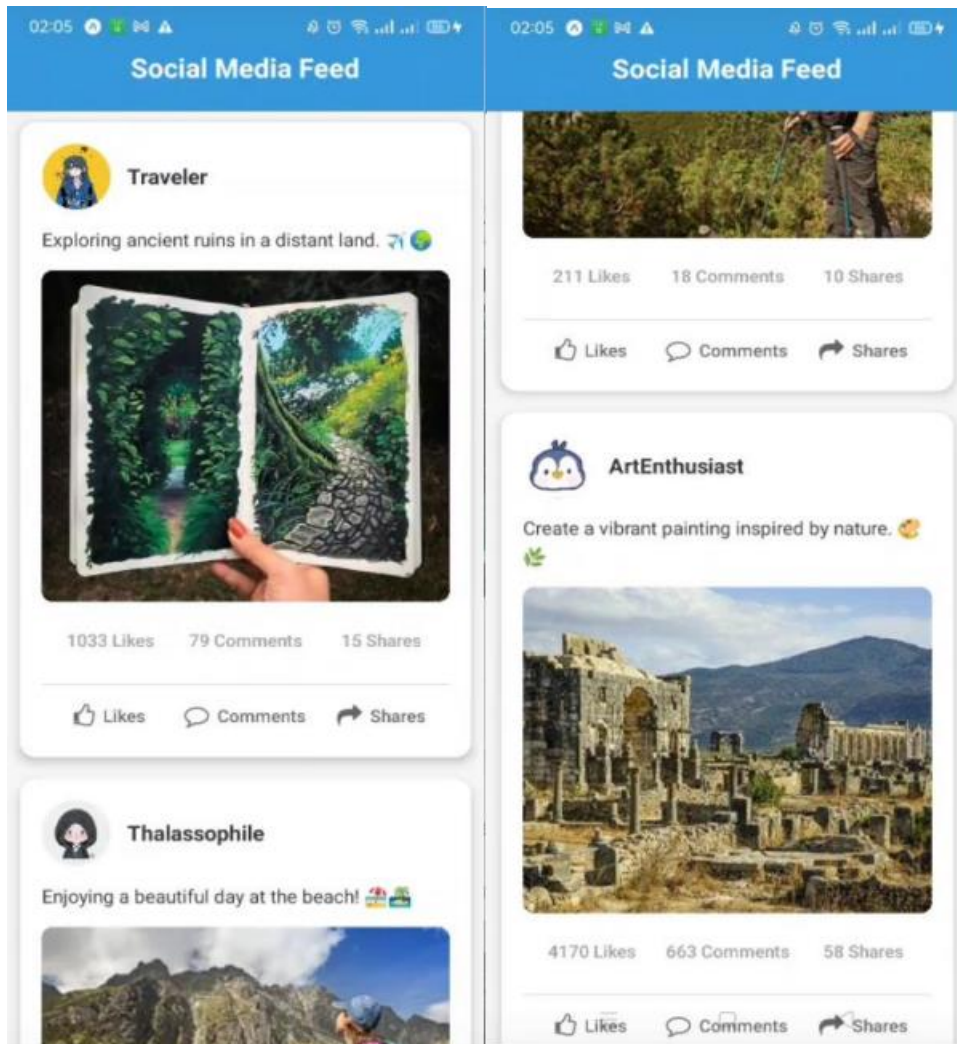
22521172 SocialMediaApp

Ctrl+K to generate command

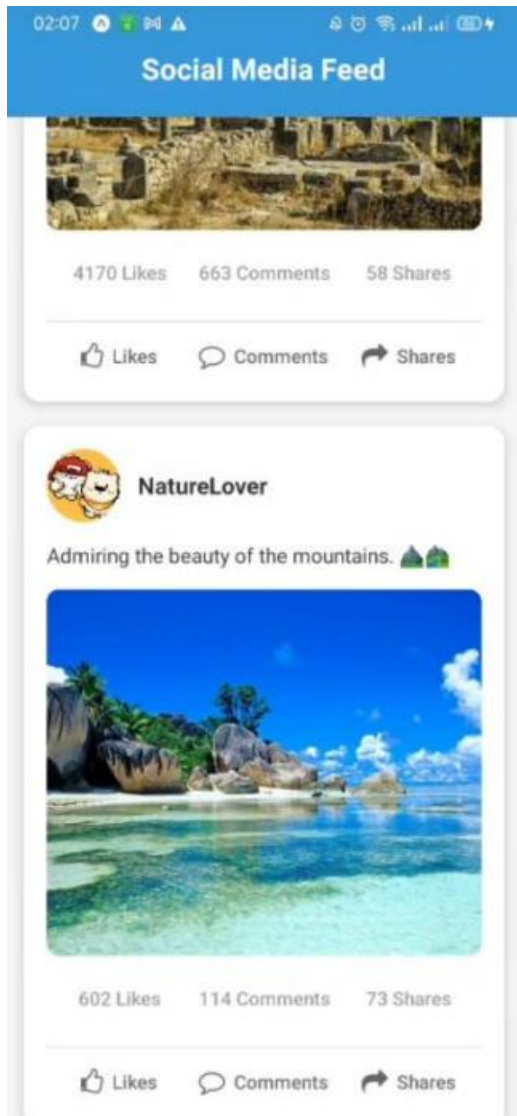
1.13. Màn hình kết quả

- Giao diện chính

Công nghệ lập trình đa nền tảng cho ứng dụng di động - IE307.Q12

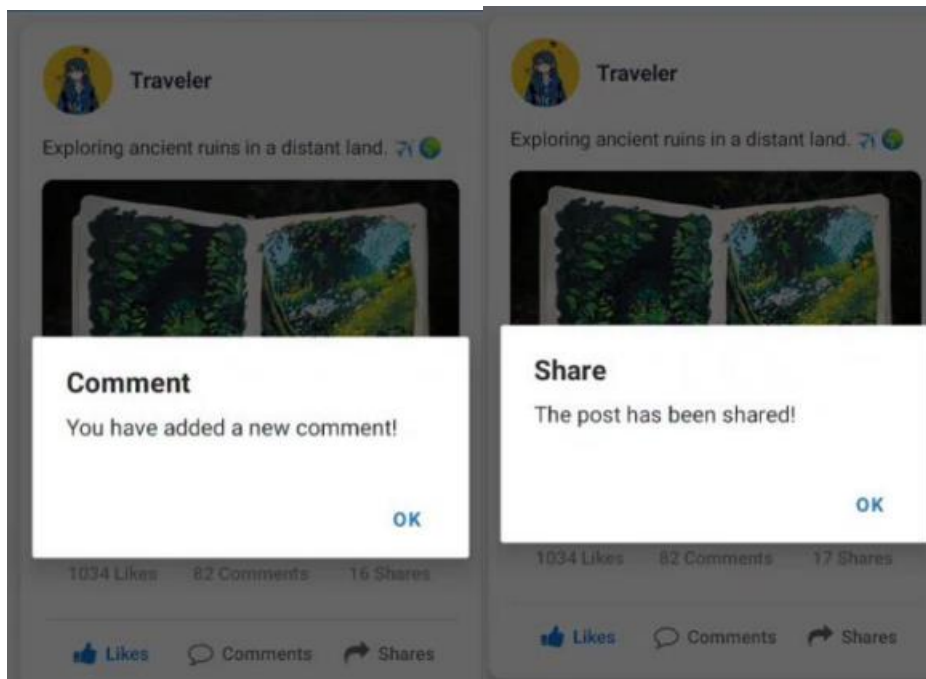


Công nghệ lập trình đa nền tảng cho ứng dụng di động - IE307.Q12



- Các tương tác

Công nghệ lập trình đa nền tảng cho ứng dụng di động - IE307.Q12



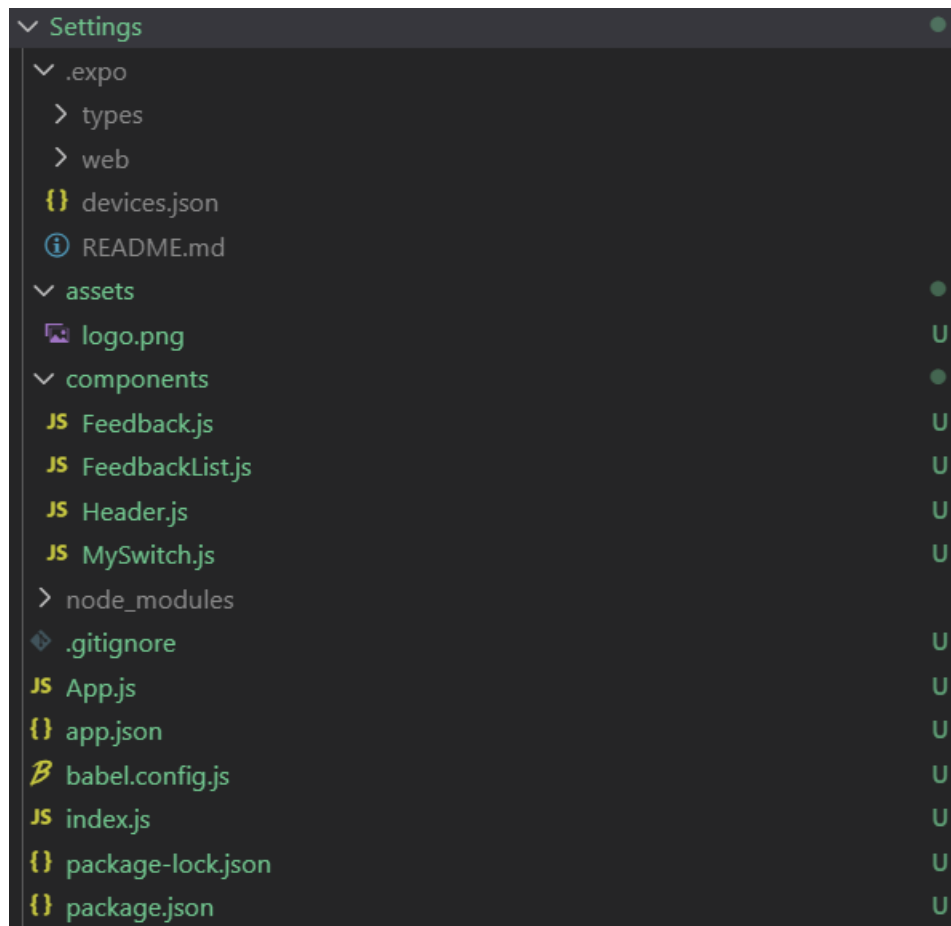
1.14. Video màn hình kết quả

- Link video màn hình kết quả:

https://drive.google.com/file/d/1S_Ga6gGjNRV8VeqPg9sOcIx0HOIkGion/view?usp=sharing

2. Bài 2: Settings and Feedback

2.1. Cấu trúc các folders / files của dự án.



2.2. Nội dung file index.js

Công nghệ lập trình đa nền tảng cho ứng dụng di động - IE307.Q12

```
BTTH2 > Settings > JS index.js

1 // 22521172 - Vo Nhat Phuong
2 import { registerRootComponent } from 'expo';
3 import App from './App';
4
5 registerRootComponent(App);
6
7

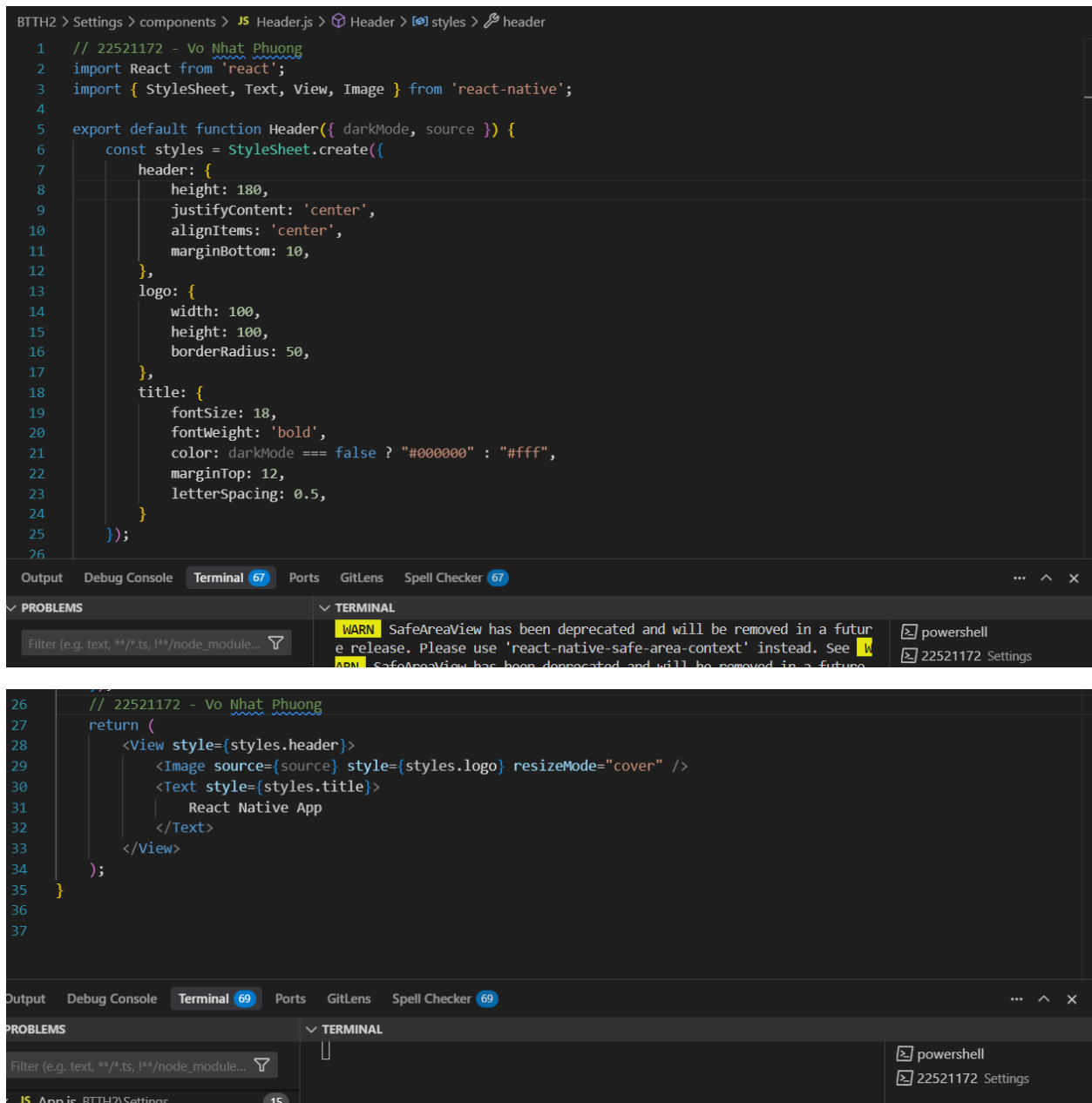
Output Debug Console Terminal 65 Ports GitLens Spell Checker 65
▼ PROBLEMS ▼ TERMINAL
Filter (e.g. text, **/*.ts, !**/n...
on CPH1931
> Press ? | show all commands
Android Bundled 51ms index.js (1 module)
powershell
22521172 Settings
```

2.3. Nội dung file App.js

```
BTTH2 > Settings > JS App.js > ...
You, 1 second ago | 1 author (You)
1 // 22521172 - Vo Nhat Phuong
2 import React, { useState } from 'react';
3 import { StyleSheet, View, StatusBar, ScrollView } from 'react-native';
4 import MySwitch from './components/MySwitch';
5 import Header from './components/Header';
6 import Feedback from './components/Feedback';
7 import FeedbackList from './components/FeedbackList';
8
9 export default function App() {
10   const [darkMode, setMode] = useState(false);
11   const [Notif, setNotif] = useState(true);
12   const [feedback, setFeedback] = useState([]);
13
14   const addFeedback = (value) => {
15     setFeedback(preFb => [...preFb, value]);
16   };
17
18   const changeMode = () => setMode(previousState => !previousState);
19   const enableNotif = () => setNotif(previousState => !previousState);
20
21   const styles = StyleSheet.create({
22     container: {
23       flex: 1,
24       backgroundColor: darkMode === false ? "#fff" : "#000000",
25       padding: 30,
26     },
27   });
28   // 22521172 - Vo Nhat Phuong
29   return (
30     <View style={styles.container}>
31       <StatusBar barStyle={darkMode ? "light-content" : "dark-content"} />
32       <ScrollView showsVerticalScrollIndicator={false}>
33         <Header darkMode={darkMode} source={require("../assets/logo.png")} />
34         <MySwitch darkMode={darkMode} title='Dark Mode' funct={changeMode} value={darkMode} />
35         <MySwitch darkMode={darkMode} title='Notifications' funct={enableNotif} value={Notif} />
36         <Feedback darkMode={darkMode} notif={Notif} funct={addFeedback} />
37         <FeedbackList darkMode={darkMode} data={feedback} />
38       </ScrollView>
39     </View>
40   );
}
```

2.3. Nội dung file components/Header.js

Công nghệ lập trình đa nền tảng cho ứng dụng di động - IE307.Q12



2.4. Nội dung file components/MySwitch.js

Công nghệ lập trình đa nền tảng cho ứng dụng di động - IE307.Q12

```
BITH2 > Settings > components > JS MySwitchjs > MySwitch > styles > switch > paddingVertical

1 // 22521172 - Vo Nhat Phuong
2 import React from 'react';
3 import { StyleSheet, Text, View, Switch } from 'react-native';
4
5 export default function MySwitch({ darkMode, title, funct, value }) {
6   const styles = StyleSheet.create({
7     switch: {
8       flexDirection: 'row',
9       justifyContent: 'space-between',
10      alignItems: 'center',
11      paddingVertical: 6,
12      paddingHorizontal: 5,
13    },
14    switchName: {
15      fontSize: 16,
16      fontWeight: '500',
17      color: darkMode === false ? "#000000" : "#fff",
18    }
19  });
20
21  return (
22    <View style={styles.switch}>
23      <Text style={styles.switchName}>
24        {title}
25      </Text>
26      <Switch
27        trackColor={{ false: "#C8C8C8", true: "#27DC00" }}
28        thumbColor={"#fff"}
29        onChange={funct}
30        value={value}
31      />
32    </View>
33  );
34 }
35
```

2.5. Nội dung file components/Feedback.js

```
BITH2 > Settings > components > JS Feedbackjs > Feedback

1 // 22521172 - Vo Nhat Phuong
2 import React, { useState } from 'react';
3 import { StyleSheet, Text, View, TextInput, Keyboard, TouchableOpacity, Alert } from 'react-native';
4
5 export default function Feedback({ darkMode, notif, funct }) {
6   const [value, setValue] = useState("");
7
8   const styles = StyleSheet.create({
9     container: {
10      height: 120,
11      borderColor: '#c4bebe',
12      borderWidth: 2,
13      borderRadius: 10,
14      backgroundColor: darkMode === false ? "#fff" : "#212121",
15      marginBottom: 10,
16    },
17     textInput: {
18       padding: 15,
19       color: darkMode === false ? "#000000" : "#fff",
20       flex: 1,
21     },
22     feedbackText: {
23       fontSize: 20,
24       fontWeight: 'bold',
25       color: darkMode === false ? "#000000" : "#fff",
26       marginBottom: 12,
27       marginTop: 10,
28     },
29     button: {
30       backgroundColor: '#007AFF',
31       paddingVertical: 12,
32       borderRadius: 8,
33       alignItems: 'center',
34       marginTop: 8,
35     },
36   });
37
```

Công nghệ lập trình đa nền tảng cho ứng dụng di động - IE307.Q12

```
36 // 22521172 - Vo Nhat Phuong
37 buttonText: {
38   color: '#fff',
39   fontSize: 16,
40   fontWeight: 'bold',
41 }
42 });
43
44 return (
45   <View>
46     <Text style={styles.feedbackText}>
47       Feedback
48     </Text>
49     <View style={styles.container}>
50       <TextInput
51         editable
52         placeholder='Your feedback here...'
53         placeholderTextColor={darkMode === false ? "#000000" : "#ffffff"}
54         multiline={true}
55         numberOfLines={4}
56         style={styles.textInput}
57         onChangeText={text => setValue(text)}
58         value={value}
59         onBlur={Keyboard.dismiss}
60       </TextInput>
61     </View>
62     <TouchableOpacity
63       style={styles.button}
64       onPress={() => {
65         if (value !== "") {
66           if (notif === true) Alert.alert('Thank you for your feedback!', '', [
67             { text: 'OK', onPress: () => console.log('OK Pressed') },
68           ]);
69         }
70         func(value);
71         setValue("");
72       }}
73     </TouchableOpacity>
74     <Text style={styles.buttonText}>SEND FEEDBACK</Text>
75   </View>
76 );
77
78 }
79
80
81
```

```
62 {/* 22521172 - Vo Nhat Phuong */}
63 <TouchableOpacity
64   style={styles.button}
65   onPress={() => {
66     if (value !== "") {
67       if (notif === true) Alert.alert('Thank you for your feedback!', '', [
68         { text: 'OK', onPress: () => console.log('OK Pressed') },
69       ]);
70     }
71     func(value);
72     setValue("");
73   }}
74 >
75   <Text style={styles.buttonText}>SEND FEEDBACK</Text>
76 </TouchableOpacity>
77 </View>
78 );
79
80
81
```

2.6. Nội dung file components/FeedbackList.js

Công nghệ lập trình đa nền tảng cho ứng dụng di động - IE307.Q12

```
1 // 22521172 - Vo Nhat Phuong
2 import React from 'react';
3 import { StyleSheet, ScrollView, View, Text } from 'react-native';
4
5 export default function FeedbackList({ darkMode, data }) {
6   const styles = StyleSheet.create({
7     container: {
8       marginTop: 10,
9       height: 250,
10    },
11    textTitle: {
12      marginTop: 15,
13      marginBottom: 10,
14      color: darkMode === false ? "#000000" : "#fff",
15      fontSize: 20,
16      fontWeight: 'bold'
17    },
18    textScroll: {
19      color: darkMode === false ? "#000000" : "#fff",
20      fontSize: 14,
21      paddingVertical: 8,
22      paddingHorizontal: 5,
23      lineHeight: 20,
24    }
25  });
26
27   return (
28     <View>
29       <Text style={styles.textTitle}>Frequently Asked Questions</Text>
30
31       <ScrollView style={styles.container}>
32         {data.map((feedback, index) => {
33           return (
34             <Text key={index} style={styles.textScroll}>Q: {feedback}</Text>
35           );
36         })}
37       </ScrollView>
38     </View>
39   );
40 }
```

Output Debug Console Terminal 75 Ports GitLens Spell Checker 75

PROBLEMS

backjs BTH2(Settings)\components 10

tail Now

thub.com/th3rdwave/react-native-safe-area-context

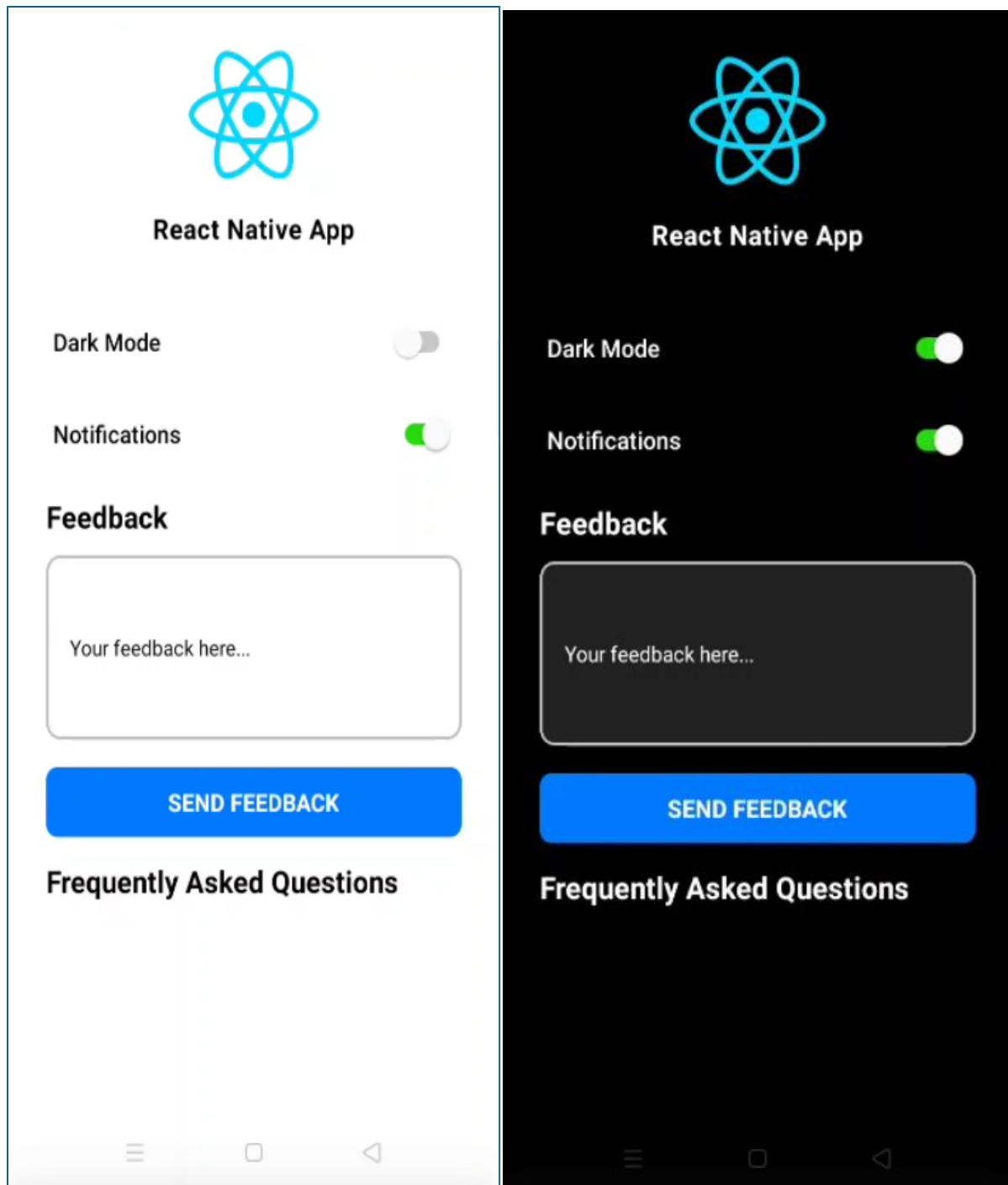
powerShell

22521172 Settings

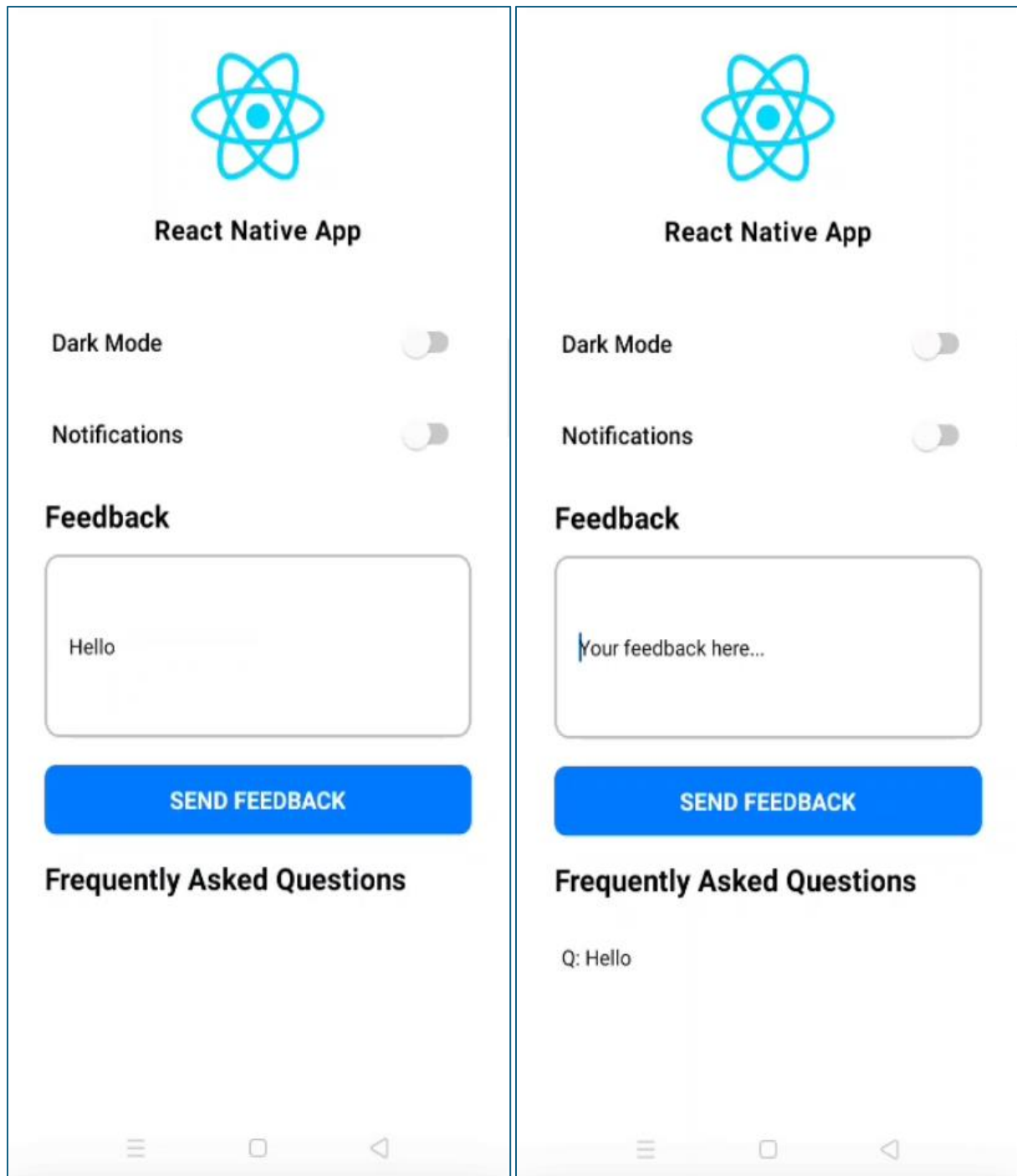
Ctrl+K to generate command

2.8. Màn hình kết quả

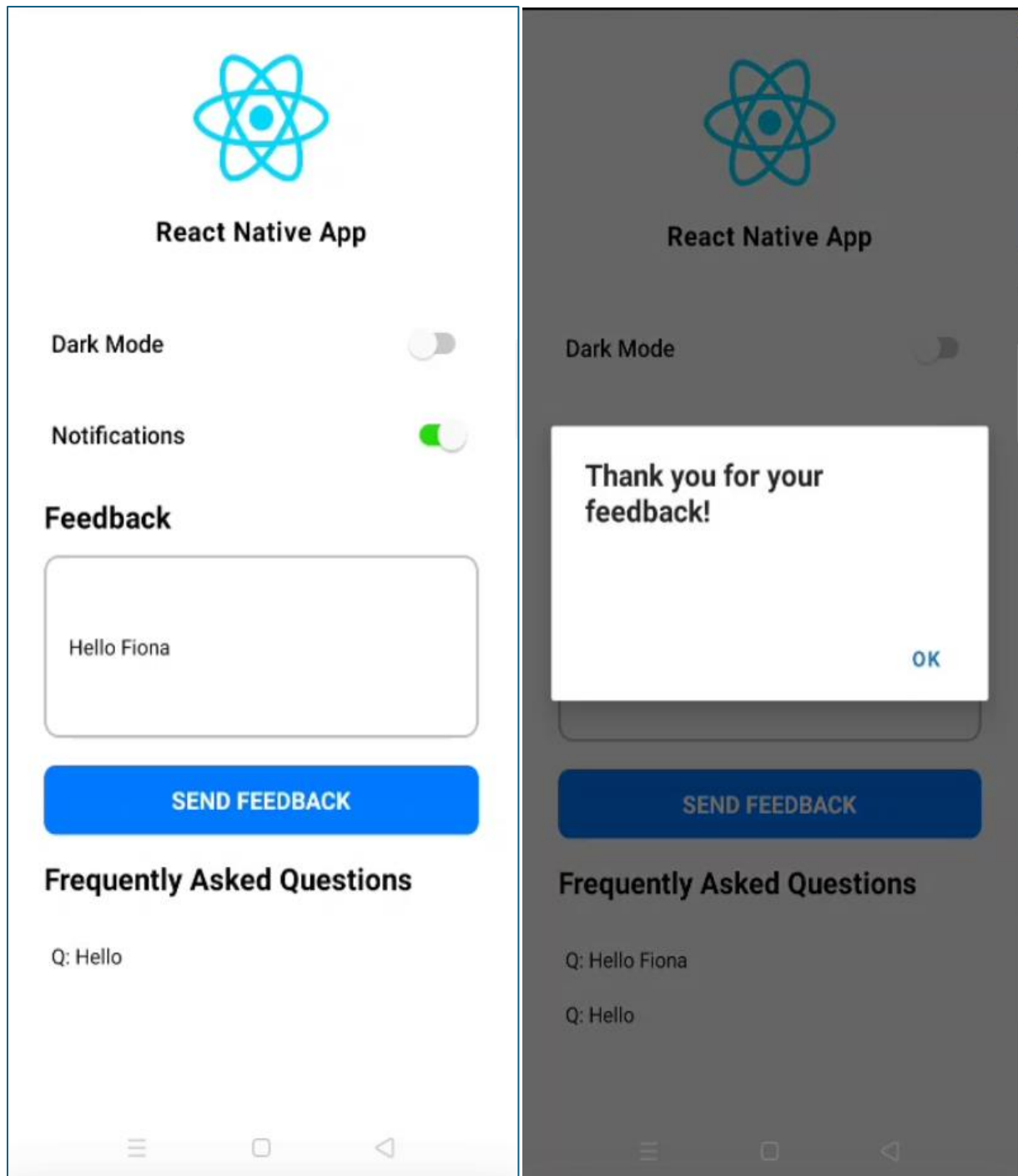
- Tắt / Bật chế độ tối



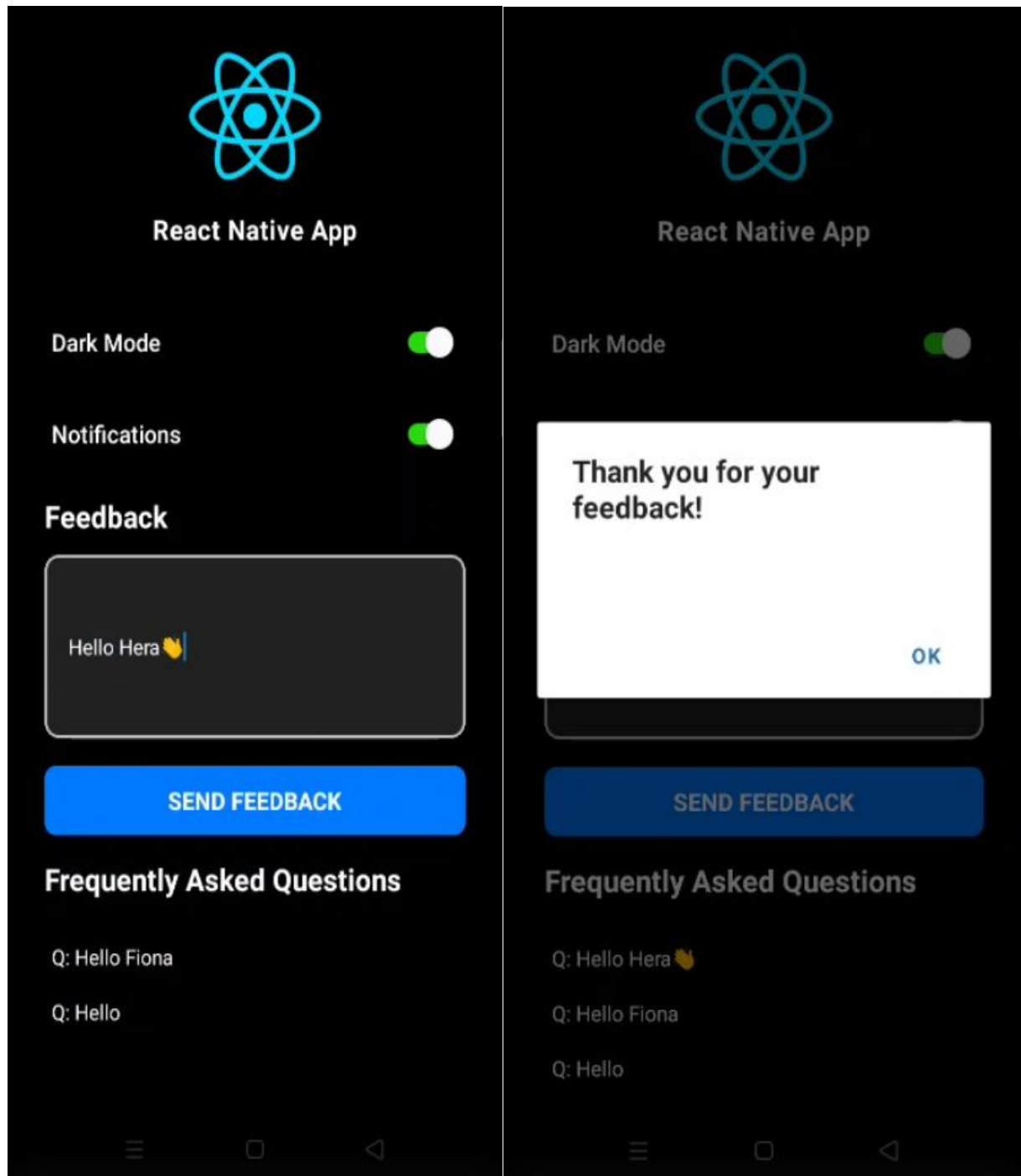
- Người dùng gửi phản hồi với công tắc thông báo đóng



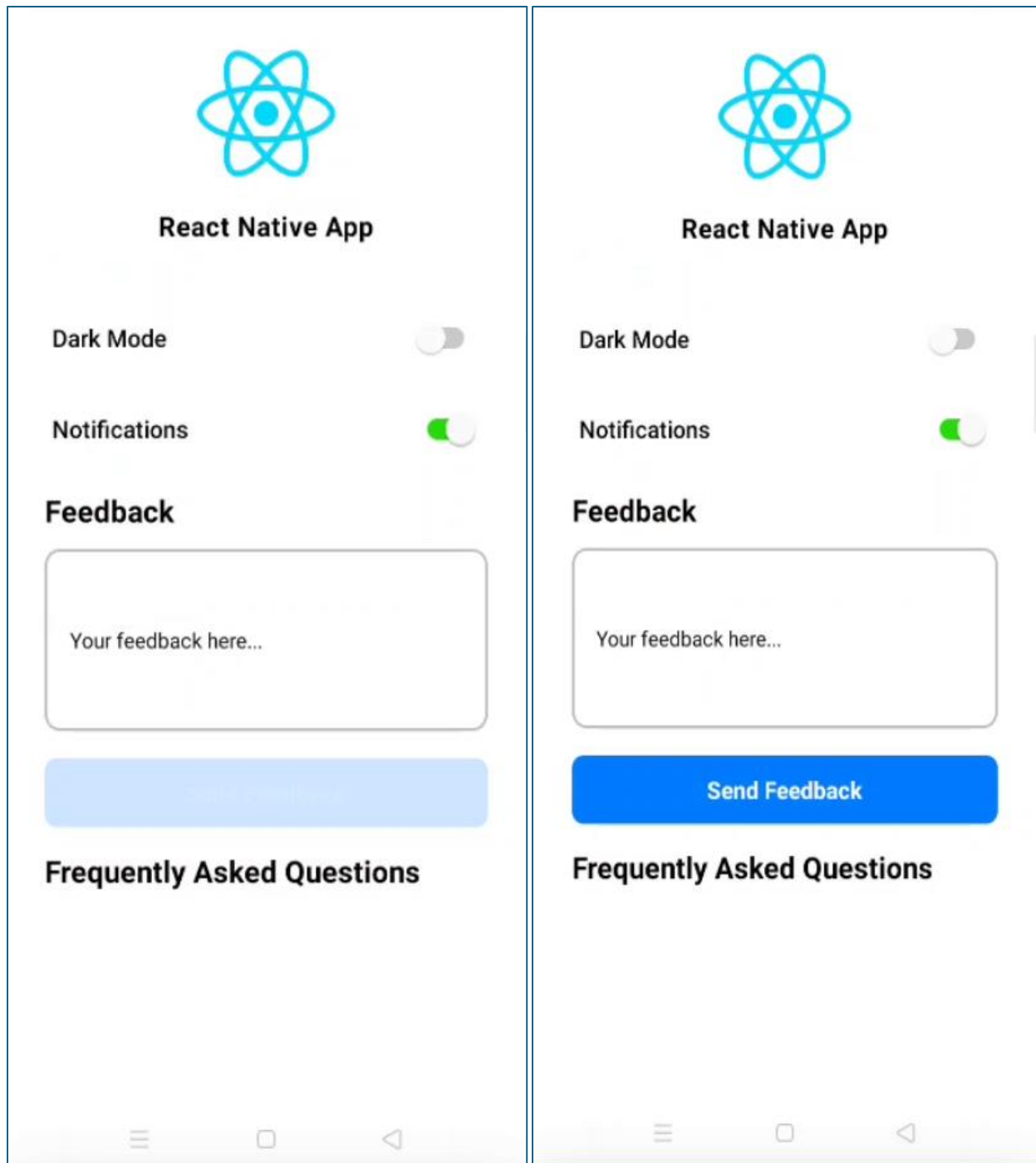
- Người dùng gửi phản hồi với công tắc thông báo bật



- Người dùng gửi phản hồi với công tắc thông báo bật và công tắc chế độ tối bật



- Người dùng không nhập thông tin phản hồi, khi nhấn nút gửi ứng dụng sẽ không thực hiện hành động gì



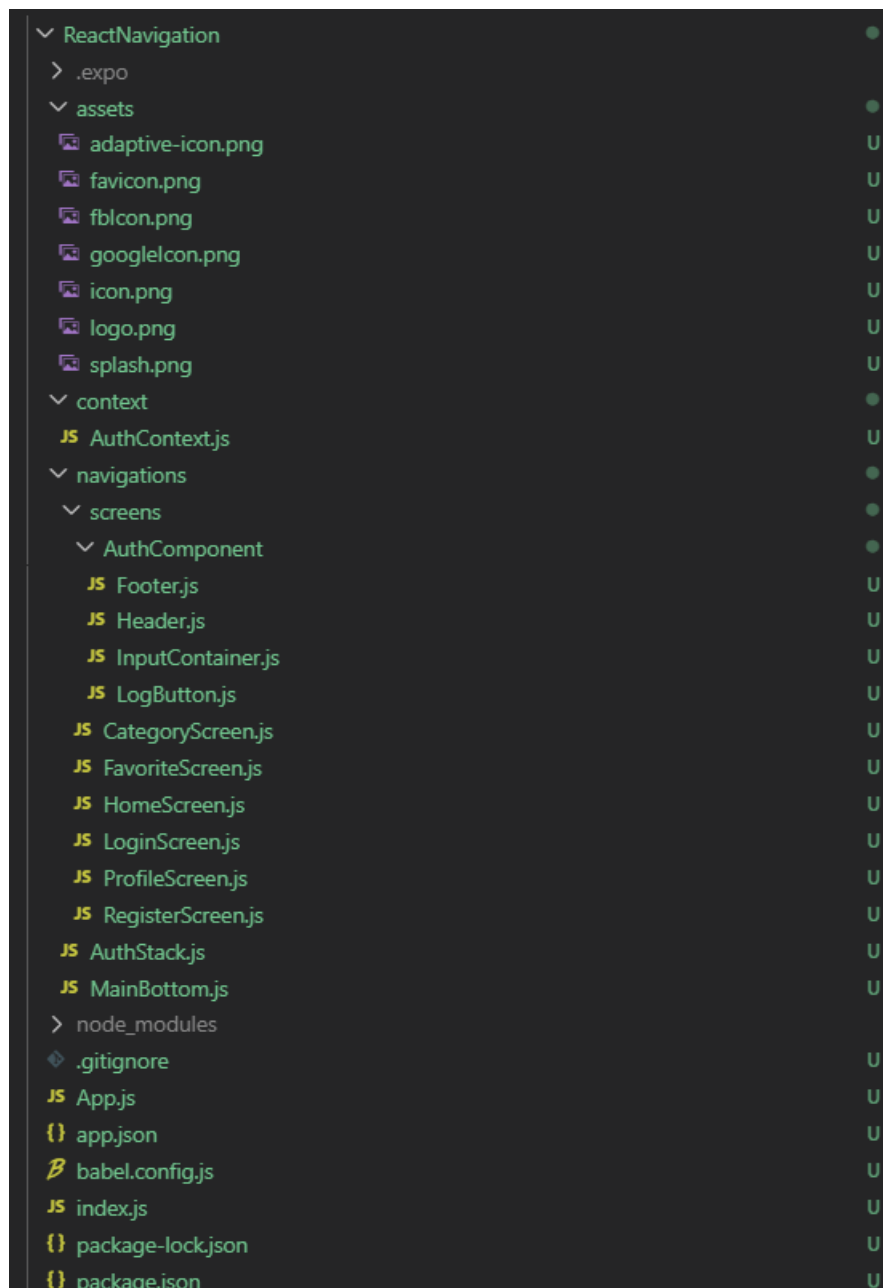
2.9. Video màn hình kết quả

- Link video màn hình kết quả:

https://drive.google.com/file/d/1uKehIvGyg9UmDOE3on_S2dbtbx12Gt4q/view?usp=sharing

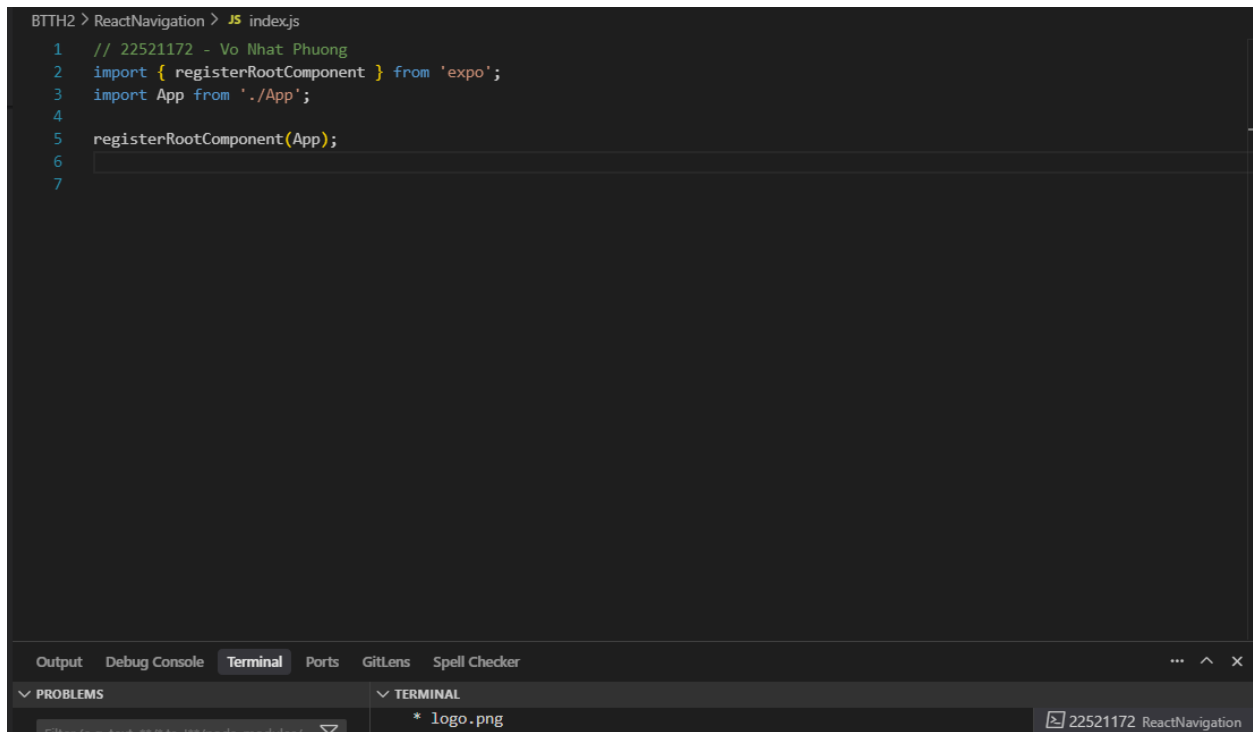
3. Bài 3: React Navigation

3.1. Cấu trúc các folders / files của dự án.



3.2. Nội dung file index.js

Công nghệ lập trình đa nền tảng cho ứng dụng di động - IE307.Q12



The screenshot shows a VS Code editor window with a file named `index.js` open. The code in the editor is as follows:

```
BTTH2 > ReactNavigation > JS index.js
1 // 22521172 - Vo Nhat Phuong
2 import { registerRootComponent } from 'expo';
3 import App from './App';
4
5 registerRootComponent(App);
6
7
```

Below the editor, the VS Code interface shows the `Terminal` tab selected. The terminal output is empty. The `PROBLEMS` panel is also visible, showing no errors. The status bar at the bottom indicates the file is `22521172 ReactNavigation`.

3.3. Nội dung file context/AuthContext.js

Công nghệ lập trình đa nền tảng cho ứng dụng di động - IE307.Q12

```
BTTH2 > ReactNavigation > context > JS AuthContext.js
1  // 22521172 - Vo Nhat Phuong
2  import React, { createContext, useState } from 'react';
3
4  export const AuthContext = createContext();
5
6  export function AuthProvider({ children }) {
7    const [isAuthenticated, setIsAuthenticated] = useState(false);
8
9    const login = (userEmail, password) => {
10     if (userEmail === '22521172@gm.uit.edu.vn' && password === 'vonhatphuong') {
11       setIsAuthenticated(true);
12     } else {
13       alert("Thông tin đăng nhập không chính xác!");
14     }
15   };
16
17   const logout = () => {
18     setIsAuthenticated(false);
19   };
20
21   return (
22     <AuthContext.Provider value={{ isAuthenticated, login, logout }}>
23       {children}
24     </AuthContext.Provider>
25   );
26 }
27
```

Output Debug Console Terminal Ports Gittens Spell Checker

PROBLEMS TERMINAL

Filter (e.g. text, **/*.ts, !**/node_modules/...

> Metro waiting on exp://10.0.130.181:8081

22521172 ReactNavigation

3.4. Nội dung file navigations/screens/AuthComponent/Header.js

Công nghệ lập trình đa nền tảng cho ứng dụng di động - IE307.Q12

```
BTTH2 > ReactNavigation > navigations > screens > AuthComponent > JS Header.js
1  import { StyleSheet, View, Text, Image, } from 'react-native';
2  // 22521172 - Vo Nhat Phuong
3  function Header({title}){
4      return(
5          <View style={styles.logoContainer}>
6              <Image style={styles.logo} alt='logo' source={require('../../assets/logo.png')}/>
7              <Text style={styles.title}>{title}</Text>
8          </View>
9      );
10 }
11
12 export default Header;
13 const styles = StyleSheet.create({
14     logoContainer:{
15         marginTop: 100,
16         width: '100%',
17         height: 150,
18         alignItems: 'center',
19         justifyContent: 'center'
20     },
21     logo:{
22         width: 100,
23         height: 100,
24         borderRadius: 50,
25     },
26     title:{
27         fontSize: 25,
28         fontWeight: 'bold',
29     },
30 })
```

Output Debug Console Terminal Ports GitLens Spell Checker

PROBLEMS

TERMINAL

22521172 ReactNavigation

3.5. Nội dung file file navigations/screens/AuthComponent/Footer.js

```
BTTH2 > ReactNavigation > navigations > screens > AuthComponent > JS Footer.js
1  import { StyleSheet, View, TouchableOpacity, Text, } from 'react-native';
2  // 22521172 - Vo Nhat Phuong
3  function Footer({text1, text2, funct}){
4      return(
5          <View style={styles.footer}>
6              <Text style={styles.footerText}>{text1}</Text>
7              <TouchableOpacity onPress={funct}>
8                  <Text style={styles.buttonText}> {text2}</Text>
9              </TouchableOpacity>
10         </View>
11     )
12 }
13 export default Footer;
14 const styles = StyleSheet.create({
15     footer:{
16         flexDirection: 'row',
17         alignItems: 'center',
18         justifyContent: 'center',
19     },
20     footerText:{
21         fontSize: 16,
22     },
23     buttonText:{
24         fontSize: 16,
25         fontWeight: 'bold',
26         color: 'blue'
27     }
28 });
```

3.6. Nội dung file file navigations/screens/AuthComponent/InputContainer.js

```
BTTH2 > ReactNavigation > navigations > screens > AuthComponent > JS InputContainer.js
1  // 22521172 - Vo Nhat Phuong
2  import { StyleSheet, View, TextInput, TouchableWithoutFeedback, Keyboard } from 'react-native';
3  import Icon from 'react-native-vector-icons/FontAwesome';
4  function InputContainer({placeholder, value, onChange, security, icon}){
5      return(
6          <TouchableWithoutFeedback onPress={Keyboard.dismiss}>
7              <View style={styles.inputContainer}>
8                  <View style={styles.icon}>
9                      <Icon name={icon} size={30} color='black' />
10                 </View>
11                 <TextInput
12                     placeholder={placeholder}
13                     value={value}
14                     onChangeText={onChange}
15                     secureTextEntry={security}
16                     style={styles.textInput}
17                 />
18             </View>
19         </TouchableWithoutFeedback>
20     );
21 }
22 export default InputContainer;
```

Công nghệ lập trình đa nền tảng cho ứng dụng di động - IE307.Q12

```
24 // 22521172 - Vo Nhat Phuong
25 const styles = StyleSheet.create({
26   inputContainer:{
27     width: 300,
28     height: 50,
29     borderRadius: 10,
30     borderColor: 'gray',
31     borderWidth: 1,
32     paddingHorizontal: 10,
33     paddingVertical: 0,
34     margin: 10,
35     flexDirection: 'row',
36     alignItems: 'center',
37   },
38   icon:{
39     width:30,
40     height:30,
41     alignItems: 'center',
42     justifyContent: 'center',
43     marginRight: 10,
44   },
45   textInput: {
46     flex: 1,
47     padding: 0,
48     margin: 0,
49   }
50 })
```

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PROBLEMS

22521172 ReactNavigation

3.7. Nội dung file file navigations/screens/AuthComponent/LogButton.js

```
BTTH2 > ReactNavigation > navigations > screens > AuthComponent > JS LogButton.js
1 import { StyleSheet, Text, TouchableOpacity,} from 'react-native';
2
3 function LogButton({funcnt, text}){
4   return(
5     <TouchableOpacity style={styles.buttonContainer} onPress={funcnt}>
6       <Text style={styles.textButton}>{text}</Text>
7     </TouchableOpacity>
8   )
9 }
10 // 22521172 - Vo Nhat Phuong
11 export default LogButton;
12 const styles = StyleSheet.create({
13   buttonContainer:{
14     width:300,
15     height: 60,
16     borderRadius: 15,
17     backgroundColor: 'orange',
18     justifyContent:'center',
19     alignItems: 'center',
20     margin: 10,
21   },
22   textButton:{
23     color: 'white',
24     fontSize: 20,
25   },
26 })
```

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PROBLEMS

22521172 ReactNavigation

3.8. Nội dung file navigations/screens/RegisterScreen.js

```
BTH2 > ReactNavigation > navigations > screens > JS RegisterScreen.js
1  import React, { useState } from 'react';
2  import { StyleSheet, View } from 'react-native';
3  import Header from '../AuthComponent/Header';
4  import InputContainer from '../AuthComponent/InputContainer';
5  import LogButton from '../AuthComponent/LogButton';
6  import Footer from '../AuthComponent/Footer';
7  // 22521172 - Vo Nhat Phuong
8  function RegisterScreen({ navigation }) {
9    const [username, setUsername] = useState('');
10   const [email, setEmail] = useState('');
11   const [password, setPassword] = useState('');
12   const [confirm, setConfirm] = useState('');
13   return (
14     <View style={styles.container}>
15       <Header title="Create New Account"/>
16       <InputContainer placeholder="Enter username" value={username} onChange={setUsername} security={false} icon='user' />
17       <InputContainer placeholder="Email" value={email} onChange={setEmail} security={false} icon='envelope-o' />
18       <InputContainer placeholder="Password" value={password} onChange={setPassword} security={true} icon='lock' />
19       <InputContainer placeholder="Confirm Password" value={confirm} onChange={setConfirm} security={true} icon='lock' />
20       <LogButton text='CREATE' funct={()=>alert("Đăng ký thành công!") />
21       <Footer text1="Already have an account?" text2="Login now!" funct={()=>navigation.navigate('Login')} />
22     </View>
23   );
24 }
25 export default RegisterScreen;
26 const styles = StyleSheet.create({
27   container: {
28     flex : 1,
29     padding:20,
30     alignItems: 'center'
31   },
32 });
```

3.9. Nội dung file navigations/screens/LoginScreen.js

Công nghệ lập trình đa nền tảng cho ứng dụng di động - IE307.Q12

```
BTTH2 > ReactNavigation > navigations > screens > JS LoginScreen.js
1  import React, { useState, useContext } from 'react';
2  import { StyleSheet, View, TextInput, Button, Text, Image, TouchableOpacity, TouchableWithoutFeedback, Keyboard } from 'react-native';
3  import { AuthContext } from '../../../context/AuthContext';
4  import Header from './AuthComponent/Header';
5  import InputContainer from './AuthComponent/InputContainer';
6  import LogButton from './AuthComponent/LogButton';
7  import Footer from './AuthComponent/Footer';
8  // 22521172 - Vo Nhat Phuong
9  function LoginScreen({ navigation }) {
10   const { login } = useContext(AuthContext);
11   const [email, setEmail] = useState('');
12   const [password, setPassword] = useState('');
13
14   return (
15     <View style={styles.container}>
16       <Header title="Welcome"/>
17       <InputContainer placeholder='Email' value={email} onChange={setEmail} security={false} icon='envelope-o' />
18       <InputContainer placeholder='Password' value={password} onChange={setPassword} security={true} icon='lock' />
19       <Text style={styles.forgot}>Forgot password?</Text>
20       <LogButton text='LOG IN' funct={()=>login(email, password)} />
21       <View style={styles.otherOption}>
22         <Text style={styles.title}>Or login with</Text>
23         <View style={styles.iconRow}>
24           <Image style={styles.socialMediaIcon} source={require('../../../assets/fbIcon.png')} />
25           <Image style={styles.socialMediaIcon} source={require('../../../assets/googleIcon.png')} />
26         </View>
27       </View>
28       <Footer text1="Don't have an account?" text2='Sign up here!' funct={()=>navigation.navigate('Register')} />
29     </View>
30   );
31 }
32 export default LoginScreen;
33 const styles = StyleSheet.create({
```

3.10. Nội dung file navigations/screens/HomeScreen.js

```
BTTH2 > ReactNavigation > navigations > screens > JS HomeScreen.js
1  import React from 'react';
2  import { View, Text, StyleSheet } from 'react-native';
3  // 22521172 - Vo Nhat Phuong
4  function HomeScreen() {
5    return (
6      <View style={styles.container}>
7        <Text>Home Screen</Text>
8      </View>
9    );
10 }
11
12 export default HomeScreen;
13 const styles=StyleSheet.create({
14   container:{
15     flex:1,
16     justifyContent: 'center',
17     alignItems: 'center',
18   }
19 });
20
```

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PROBLEMS TERMINAL

Filter (e.g. text **/ to **/)

22521172 ReactNavigation

3.11. Nội dung file navigations/screens/CategoriesScreen.js

```
BTTH2 > ReactNavigation > navigations > screens > JS CategoryScreen.js
1  import React from 'react';
2  import { View, Text, StyleSheet } from 'react-native';
3  // 22521172 - Vo Nhat Phuong
4  function CategoryScreen() {
5      return (
6          <View style={styles.container}>
7              <Text>Category Screen</Text>
8          </View>
9      );
10 }
11
12 export default CategoryScreen;
13 const styles=StyleSheet.create({
14     container:{
15         flex:1,
16         justifyContent: 'center',
17         alignItems: 'center',
18     }
19 })
20
```

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PROBLEMS TERMINAL

Filter (e.g. text, **/*.ts, !**/) 22521172 ReactNavigation

3.12. Nội dung file navigations/screens/FavoriteScreen.js

```
BTTH2 > ReactNavigation > navigations > screens > JS FavoriteScreen.js
1  import React from 'react';
2  import { View, Text, StyleSheet } from 'react-native';
3  // 22521172 - Vo Nhat Phuong
4  function FavoriteScreen() {
5    return (
6      <View style={styles.container}>
7        <Text>Favorite Screen</Text>
8      </View>
9    );
10 }
11
12 export default FavoriteScreen;
13 const styles=StyleSheet.create({
14   container:{
15     flex:1,
16     justifyContent: 'center',
17     alignItems: 'center',
18   }
19 })
```

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▼ PROBLEMS

▼ TERMINAL

22521172 ReactNavigation

3.13. Nội dung file navigations/screens/ProfileScreen.js


```
BTTH2 > ReactNavigation > navigations > screens > JS ProfileScreen.js
1  import React, { useContext } from 'react';
2  import { View, Text, Button , StyleSheet} from 'react-native';
3  import { AuthContext } from '../../context/AuthContext';
4  // 22521172 - Vo Nhat Phuong
5  function AccountScreen() {
6      const { logout } = useContext(AuthContext);
7      return (
8          <View style={styles.container}>
9              <Text>Profile Screen</Text>
10             <Button title="LOG OUT" onPress={logout} />
11          </View>
12      );
13  }
14
15  export default AccountScreen;
16  const styles=StyleSheet.create({
17      container:{
18          flex:1,
19          justifyContent: 'center',
20          alignItems: 'center',
21      }
22  })
23
```

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PROBLEMS TERMINAL

22521172 ReactNavigation

3.14. Nội dung file navigations/AuthStack.js

```
BTTH2 > ReactNavigation > navigations > JS AuthStack.js
1  import React from 'react';
2  import { createStackNavigator } from '@react-navigation/stack';
3  import LoginScreen from './screens/LoginScreen';
4  import RegisterScreen from './screens/RegisterScreen';
5  // 22521172 - Vo Nhat Phuong
6  const Stack = createStackNavigator();
7
8  function AuthStack() {
9    return (
10     <Stack.Navigator screenOptions={{ headerShown: false }}>
11       <Stack.Screen name="Login" component={LoginScreen} />
12       <Stack.Screen name="Register" component={RegisterScreen} />
13     </Stack.Navigator>
14   );
15 }
16
17 export default AuthStack;
```

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PROBLEMS TERMINAL

22521172 ReactNavigation

3.15. Nội dung file navigations/MainBottom.js

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```
BTTH2 > ReactNavigation > navigations > JS MainBottom.js

1  import React from "react";
2  import { createBottomTabNavigator } from "@react-navigation/bottom-tabs";
3  import HomeScreen from "../screens/HomeScreen";
4  import CategoryScreen from "../screens/CategoryScreen";
5  import FavoriteScreen from "../screens/FavoriteScreen";
6  import ProfileScreen from "../screens/ProfileScreen";
7  import { StyleSheet, Image } from "react-native";
8  import Icon from 'react-native-vector-icons/FontAwesome';
9  // 22521172 - Vo Nhat Phuong
10 const Tab = createBottomTabNavigator();
11
12 function MainBottom() {
13   return (
14     <Tab.Navigator>
15       <Tab.Screen
16         name="Home"
17         component={HomeScreen}
18         options={{
19           tabBarIcon: ({ focused }) => (
20             <Icon name='home' size={30} color={focused ? 'blue' : 'black'}/>
21           ),
22           headerShown: false,
23         }}
24       />

```

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▼ PROBLEMS Filter (e.g. text, **/*.ts, !**/...)

▼ TERMINAL

```
Press Ctrl+C to exit.
> Opening on Android...
> Opening exp://10.0.130.181:8081 on CPH1
```

22521172 ReactNavigation
powershell

```
14      <Tab.Navigator>
25      { /* 22521172 - Vo Nhat Phuong */ }
26      <Tab.Screen
27        name="Category"
28        component={CategoryScreen}
29        options={{
30          tabBarIcon: ({ focused }) => (
31            <Icon name='th-large' size={30} color={focused ? 'blue' : 'black'}/>
32          ),
33          headerShown: false,
34        }}
35      />
36      <Tab.Screen
37        name="Favorite"
38        component={FavoriteScreen}
39        options={{
40          tabBarIcon: ({ focused }) => (
41            <Icon name='heart' size={30} color={focused ? 'blue' : 'black'}/>
42          ),
43          headerShown: false,
44          tabBarBadge: 3,
45        }}
46      />
47      <Tab.Screen
48        name="Profile"
49        component={ProfileScreen}
50        options={{
51          tabBarIcon: ({ focused }) => (
52            <Icon name='user' size={30} color={focused ? 'blue' : 'black'}/>
53          ),
54        }}
55      />
56    />
57  }
58}

Output  Debug Console  Terminal  Ports  GitLens  Spell Checker
PROBLEMS  v TERMINAL
No problems have been detected  Press Ctrl+C to exit.  22521172 ReactNavigation
```

```
47     <Tab.Screen
50       options={{
53         },
54         headerShown: false,
55       }}
56     />
57   </Tab.Navigator>
58 );
59 } // 22521172 - Vo Nhat Phuong
60 export default MainBottom;
61 const styles = StyleSheet.create({
62   icon: {
63     width: 30,
64     height: 30,
65     margin: 10,
66   },
67 });
68
```

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PROBLEMS **✓ TERMINAL**

No problems have been detected Press Ctrl+C to exit. 22521172 ReactNavigation

3.16. Nội dung file App.js

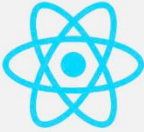
```
BTTH2 > ReactNavigation > JS App.js
1  import React, { useContext } from 'react';
2  import { NavigationContainer } from '@react-navigation/native';
3  import { AuthContext, AuthProvider } from '../context/AuthContext';
4  import AuthStack from '../navigations/AuthStack';
5  import MainBottom from '../navigations/MainBottom';
6  // 22521172 - Vo Nhat Phuong
7  function AppNavigator() {
8      const { isAuthenticated } = useContext(AuthContext);
9
10     return (
11         <NavigationContainer>
12         |   {isAuthenticated ? <MainBottom /> : <AuthStack />}
13         </NavigationContainer>
14     );
15 }
16 export default function App() {
17     return (
18         <AuthProvider>
19         |   <AppNavigator />
20         </AuthProvider>
21     );
22 }
23
24
```

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PROBLEMS No problems have been detected


TERMINAL Press Ctrl+C to exit. 22521172 ReactNavigation

3.17. Màn hình kết quả



Welcome



 Email

 Password

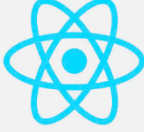
[Forgot password?](#)

LOG IN


Or login with





Don't have an account? [Sign up here!](#)




Create New Account

 Enter username

 Email

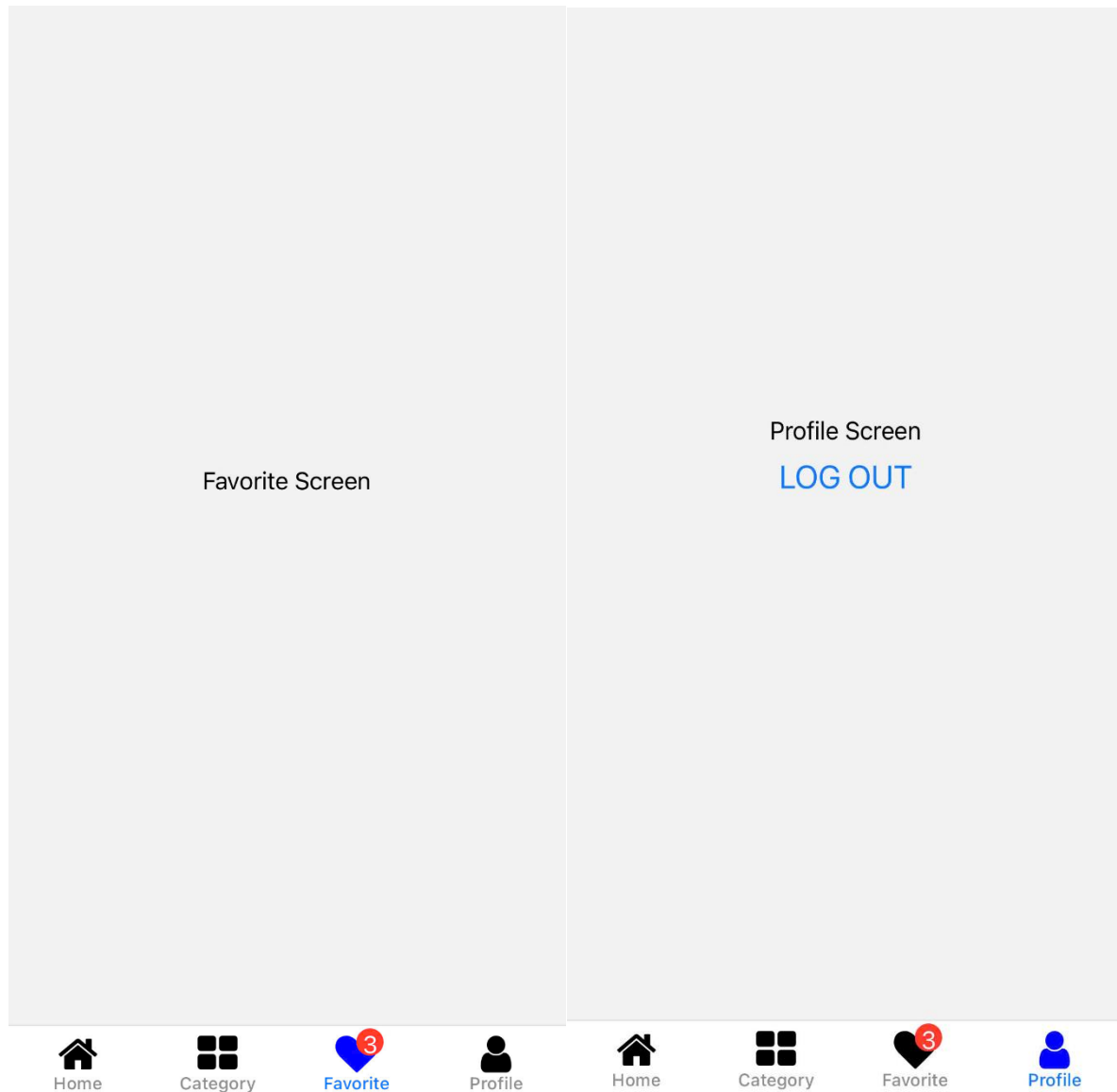
 Password

 Confirm Password

CREATE

Already have an account? [Login now!](#)





3.18. Video màn hình kết quả

- Link video màn hình kết quả:

<https://drive.google.com/file/d/1HexypKCeOfJw77lpMY23rcx2cyDhiNMj/view?usp=sharing>

-----HẾT-----