

Tugas 3 Lab Pemrograman Perangkat Bergerak

LISTING DAN LIFE CYCLE MODE

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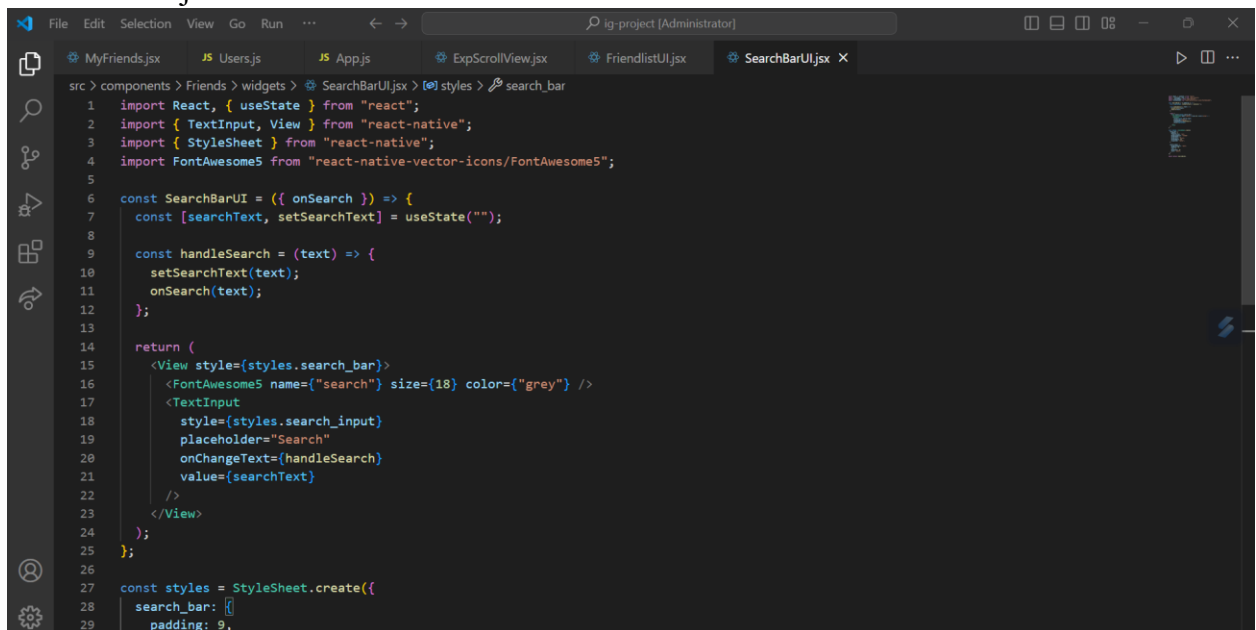
Soal!

1. Pada react function component UserItem, buatlah sebuah kondisi jika gender dari setiap objeknya adalah "M" maka menampilkan gambar icon boy, namun sebaliknya menampilkan gambar icon girl.
2. Buatlah package baru dengan nama Latihan-3 pada project latihan react expo cli anda.
3. Cloning lah aplikasi dibawah ini dengan baik, gunakanlah Listing ScrollView, FlatList, dan SectionList.

Jawaban:

Source Code:

- SearchBarUI.jsx



```
src > components > Friends > widgets > SearchBarUI.jsx > styles > search_bar
1  import React, { useState } from "react";
2  import { TextInput, View } from "react-native";
3  import { StyleSheet } from "react-native";
4  import FontAwesome5 from "react-native-vector-icons/FontAwesome5";
5
6  const SearchBarUI = ({ onSearch }) => {
7    const [searchText, setSearchText] = useState("");
8
9    const handleSearch = (text) => {
10     setSearchText(text);
11     onSearch(text);
12   };
13
14   return (
15     <View style={styles.search_bar}>
16       <FontAwesome5 name="search" size={18} color={"grey"} />
17       <TextInput
18         style={styles.search_input}
19         placeholder="Search"
20         onChangeText={handleSearch}
21         value={searchText}
22       />
23     </View>
24   );
25 };
26
27 const styles = StyleSheet.create({
28   search_bar: {
29     padding: 9,
```

```
28   search_bar: {
29     flexDirection: "row",
30     backgroundColor: "orange",
31     borderWidth: 1,
32     borderColor: "black",
33     borderRadius: 20,
34     alignItems: "center",
35   },
36 },
37
38   search_input: {
39     backgroundColor: "grey",
40     fontSize: 20,
41     flex: 1,
42     marginLeft: 10,
43     color: "white",
44   },
45 });
46
47 export default SearchBarUI;
48
```

- ExpScrollView.jsx

```
src > components > Friends > modules > ExpScrollView.jsx > ExpScrollView > Data.map() callback
1  import React from "react";
2  import { ScrollView } from "react-native";
3  import { StyleSheet, View } from "react-native";
4  import FriendlistUI from "../widgets/FriendlistUI";
5
6  const ExpScrollView = ({ Data }) => {
7    return (
8      <ScrollView>
9        {Data.map((v, index) => (
10          <FriendlistUI items={v} key={index} />
11        ))}
12      </ScrollView>
13    );
14  };
15
16  const styles = StyleSheet.create({});
17
18  export default ExpScrollView;
19
```

- FriendlistUI.jsx

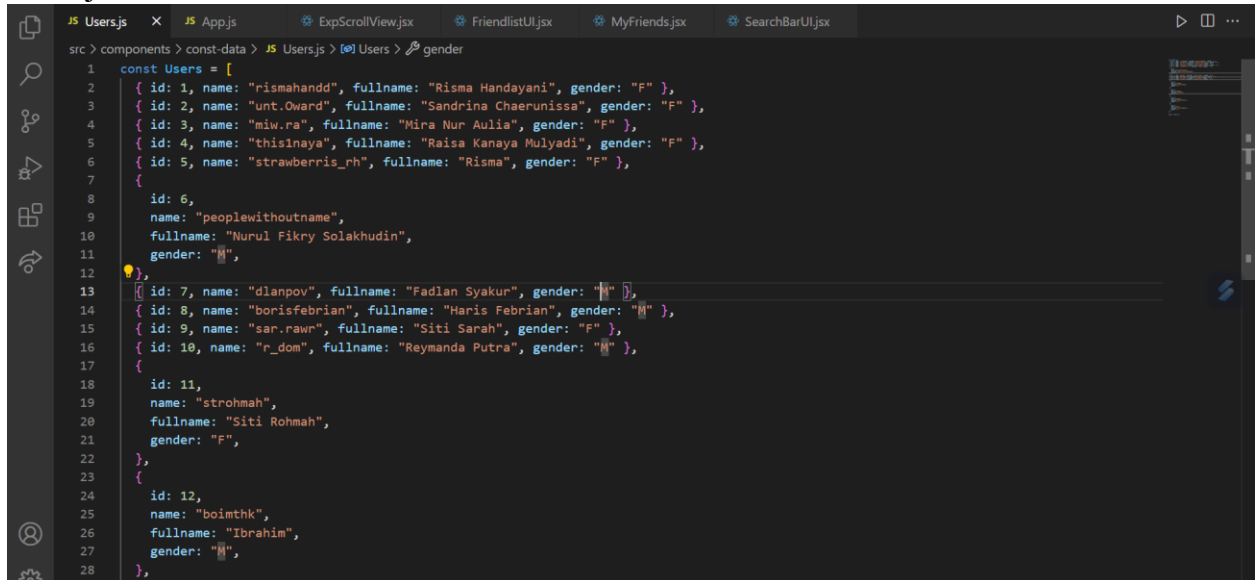
```
src > components > Friends > widgets > FriendlistUI.jsx > FriendlistUI
1  import React from "react";
2  import { View, StyleSheet, Image, Text, TouchableOpacity } from "react-native";
3
4  const FriendlistUI = ({ items }) => {
5    const genderIcon =
6      items.gender === "M"
7      ? require("../assets/icons/boy.png")
8      : require("../assets/icons/girl.png");
9
10   return (
11     <View style={styles.container}>
12       <View style={styles.user_account}>
13         <Image source={genderIcon} style={styles.user_ava} />
14         <View>
15           <Text style={{ color: "red" }}>{items.name}</Text>
16           <Text style={styles.text}>{items.fullname}</Text>
17         </View>
18       </View>
19       <View>
20         <TouchableOpacity activeOpacity={0.6} style={styles.btn_follow}>
21           <Text style={styles.text}>Follow</Text>
22         </TouchableOpacity>
23       </View>
24     </View>
25   );
26 };
27
28 const styles = StyleSheet.create({
29   container: {
30     padding: 10,
31   },
32   user_account: {
33     display: flex,
34     align-items: center,
35     margin-bottom: 10,
36   },
37   user_ava: {
38     width: 40px,
39     height: 40px,
40     margin-right: 10,
41   },
42   text: {
43     color: "black",
44     font-weight: "bold",
45   },
46   btn_follow: {
47     text-align: "center",
48     padding: 5px,
49   },
50 });
```

```
30     flexDirection: "row",
31     justifyContent: "space-between",
32     alignItems: "center",
33     padding: 15,
34   },
35
36   user_account: {
37     flexDirection: "row",
38     justifyContent: "flex-start",
39     alignItems: "center",
40   },
41
42   user_ava: {
43     width: 40,
44     height: 40,
45     borderRadius: 100,
46     backgroundColor: "red",
47     marginRight: 15,
48     fontWeight: "bold",
49   },
50
51   text: {
52     fontSize: 16,
53     color: "black",
54     textAlign: "left",
55   },
56
57   btn_follow: {
58     backgroundColor: "purple",
59     paddingHorizontal: 20,
60     paddingVertical: 10,
61     borderRadius: 5,
62   },
63 });
64
65 export default FriendlistUI;
66
```

- MyFriends.jsx

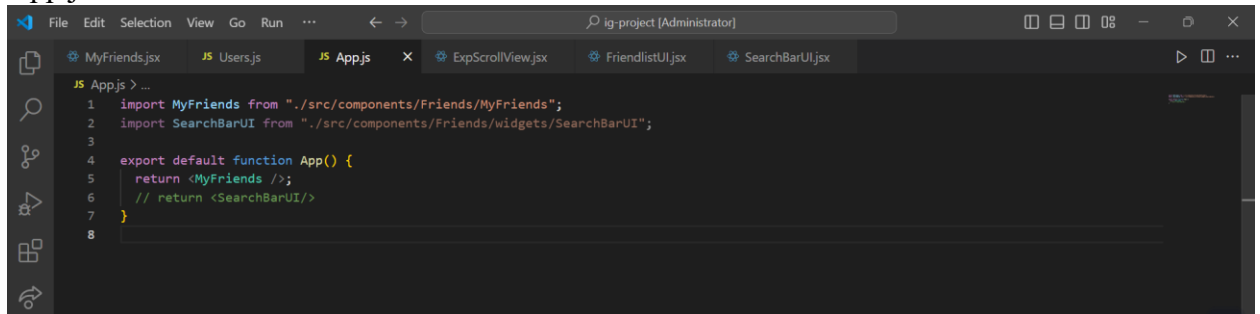
```
JS Users.js JS App.js ExpScrollView.jsx FriendlistUI.jsx MyFriends.jsx x SearchBarUI.jsx
src > components > Friends > MyFriends.jsx > ...
1 import React, { Component } from "react";
2 import { SafeAreaView, StatusBar } from "react-native";
3 import { StyleSheet, View } from "react-native";
4 import SearchBarUI from "../widgets/SearchBarUI";
5 import ExpScrollView from "../modules/ExpScrollView";
6 import { Users } from "../const-data/Users";
7
8 class MyFriends extends Component {
9   render() {
10     return (
11       <SafeAreaView style={styles.container}>
12         <StatusBar hidden={false} />
13         <View style={styles.header}>
14           <SearchBarUI />
15         </View>
16         <View style={styles.body}>
17           <ExpScrollView Data={Users} />
18         </View>
19       </SafeAreaView>
20     );
21   }
22 }
23
24 const styles = StyleSheet.create({
25   container: {
26     flex: 1,
27     backgroundColor: "black",
28   },
29
30   header: {
31     flex: 1,
32     justifyContent: "center",
33     paddingHorizontal: 10,
34     backgroundColor: "purple",
35   },
36
37   body: {
38     flex: 9,
39     backgroundColor: "white",
40   },
41 });
42
43 export default MyFriends;
44
```

- Users.js















```
1  const Users = [
2    { id: 1, name: "rismahandd", fullname: "Risma Handayani", gender: "F" },
3    { id: 2, name: "unt.Oward", fullname: "Sandrina Chaerunissa", gender: "F" },
4    { id: 3, name: "miw.ra", fullname: "Mira Nur Aulia", gender: "F" },
5    { id: 4, name: "thislnaya", fullname: "Raisa Kanaya Mulyadi", gender: "F" },
6    { id: 5, name: "strawberri_rh", fullname: "Risma", gender: "F" },
7    {
8      id: 6,
9      name: "peoplewithoutname",
10     fullname: "Nurul Fikry Solakhudin",
11     gender: "M",
12   },
13   { id: 7, name: "dianpov", fullname: "Fadlan Syakur", gender: "M" },
14   { id: 8, name: "borisfebrian", fullname: "Haris Febrian", gender: "M" },
15   { id: 9, name: "sar.rawn", fullname: "Siti Sarah", gender: "F" },
16   { id: 10, name: "r_dom", fullname: "Reymanda Putra", gender: "M" },
17   {
18     id: 11,
19     name: "strohmah",
20     fullname: "Siti Rohmah",
21     gender: "F",
22   },
23   {
24     id: 12,
25     name: "boimthk",
26     fullname: "Ibrahim",
27     gender: "M",
28   },
29 ]
```

- App.js



```
1  import MyFriends from "../src/components/Friends/MyFriends";
2  import SearchBarUI from "../src/components/Friends/widgets/SearchBarUI";
3
4  export default function App() {
5    return <MyFriends />;
6    // return <SearchBarUI />;
7  }
8
```

Output Program:

	rismahandd Risma Handayani	Follow
	unt.Oward Sandrina Chaerunissa	Follow
	miw.ra Mira Nur Aulia	Follow
	this1naya Raisa Kanaya Mulyadi	Follow
	strawberris_rh Risma	Follow
	peoplewithoutname Nurul Fikry Solakhudin	Follow
	dianpov Fadlan Syakur	Follow
	borisfebrian Haris Febrian	Follow
	sar.rawr Siti Sarah	Follow
	r_dom Reymanda Putra	Follow
	strohmah Siti Rohmah	Follow
	boimthk Ibrahim	Follow