

# Laporan UAS Pemrograman Mobile

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Slicing Ui Halaman Login dan Register Aplikasi spotify di mobile

## 1. Code LoginPage

```
1 import 'package:flutter/material.dart';
2 import 'package:slicing_ui/SignUp.dart';
3
4 class LoginPage extends StatefulWidget {
5   const LoginPage({super.key});
6
7   @override
8   State<LoginPage> createState() => _LoginPageState();
9 }
10
11 class _LoginPageState extends State<LoginPage> {
12   @override
13   Widget build(BuildContext context) {
14     return Scaffold(
15       backgroundColor: Colors.black,
16       body: Center(
17         child: Padding(
18           padding: EdgeInsets.all(16.0),
19           child: Column(
20             mainAxisAlignment: MainAxisAlignment.center,
21             children: <Widget>[
22               Image.asset(
23                 'assets/logo_spotify.png',
24                 height: 100,
25               ),
26               SizedBox(height: 20),
27               TextField(
28                 decoration: InputDecoration(
29                   filled: true,
30                   fillColor: Colors.grey[800],
31                   hintText: 'Username',
32                   border: OutlineInputBorder(
33                     borderRadius: BorderRadius.circular(30.0),
34                     borderSide: BorderSide.none,
35                   ),
36                 ),
37               ),
38               SizedBox(height: 10),
39               TextField(
40                 obscureText: true,
41                 decoration: InputDecoration(
42                   filled: true,
43                   fillColor: Colors.grey[800],
44                   hintText: 'Password',
45                   border: OutlineInputBorder(
46                     borderRadius: BorderRadius.circular(30.0),
47                     borderSide: BorderSide.none,
48                   ),
49                 ),
50               ),
51               SizedBox(height: 10),
52               Align(
53                 alignment: Alignment.centerRight,
54                 child: Text(
55                   'forgot password?',
56                   style: TextStyle(color: Colors.grey),
57                 ),
58               ),
59               SizedBox(height: 20),
60               ElevatedButton(
61                 style: ElevatedButton.styleFrom(
62                   backgroundColor: Colors.green,
63                   shape: RoundedRectangleBorder(
64                     borderRadius: BorderRadius.circular(30.0),
65                   ),
66                   padding: EdgeInsets.symmetric(horizontal: 50, vertical: 15),
67                 ),
68                 onPressed: () {
69                   //
70                   child: Text('Sign in'),
71                 },
72               ),
73               SizedBox(height: 20),
74               Text(
75                 'Sign In With',
76                 style: TextStyle(color: Colors.grey),
77               ),
78               SizedBox(height: 10),
79               Row(
80                 mainAxisAlignment: MainAxisAlignment.center,
81                 children: [
82                   IconButton(
83                     icon: Icon(Icons.facebook, color: Colors.grey),
84                     onPressed: () {},
85                   ),
86                   IconButton(
87                     icon: Icon(Icons.g_translate, color: Colors.grey),
88                     onPressed: () {},
89                   ),
90                 ],
91               ),
92               SizedBox(height: 20),
93               GestureDetector(
94                 onTap: () {
95                   Navigator.push(
96                     context,
97                     MaterialPageRoute(builder: (context) => SignUpScreen()),
98                   );
99               },
100               child: Text(
101                 "Don't have an account? Sign Up",
102                 style: TextStyle(color: Colors.green),
103               ),
104             ),
105           ),
106         ),
107       ),
108     ),
109   ),
110 },
111
112
```

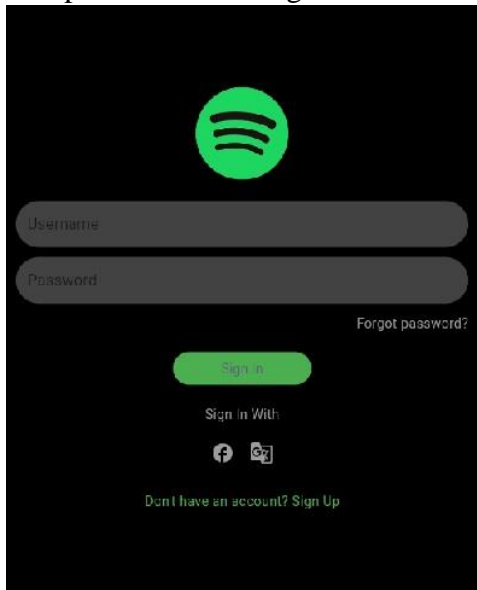
## 2. Code Halaman Register

```
1 import 'package:flutter/material.dart';
2
3 class SignupScreen extends StatelessWidget {
4   const SignupScreen({super.key});
5
6   @override
7   Widget build(BuildContext context) {
8     return Scaffold(
9       backgroundColor: Colors.black,
10      body: Center(
11        child: Padding(
12          padding: const EdgeInsets.all(16.0),
13          child: Column(
14            mainAxisAlignment: MainAxisAlignment.center,
15            children: <widget>[
16              Image.network(
17                'assets/logo_spotify.png',
18                height: 100,
19              ),
20              SizedBox(height: 20),
21              TextField(
22                decoration: InputDecoration(
23                  filled: true,
24                  fillColor: Colors.grey[800],
25                  hintText: 'Email Address',
26                  border: OutlineInputBorder(
27                    borderRadius: BorderRadius.circular(30.0),
28                    borderSide: BorderSide.none,
29                  ),
30                ),
31              ),
32              SizedBox(height: 10),
33              TextField(
34                decoration: InputDecoration(
35                  filled: true,
36                  fillColor: Colors.grey[800],
37                  hintText: 'Full Name',
38                  border: OutlineInputBorder(
39                    borderRadius: BorderRadius.circular(30.0),
40                    borderSide: BorderSide.none,
41                  ),
42                ),
43              ),
44              SizedBox(height: 10),
45              TextField(
46                obscureText: true,
47                decoration: InputDecoration(
48                  filled: true,
49                  fillColor: Colors.grey[800],
50                  hintText: 'Password',
51                  border: OutlineInputBorder(
52                    borderRadius: BorderRadius.circular(30.0),
53                    borderSide: BorderSide.none,
54                  ),
55                ),
56              ),
57              SizedBox(height: 10),
58              TextField(
59                decoration: InputDecoration(
60                  filled: true,
61                  fillColor: Colors.grey[800],
62                  hintText: 'Date Of Birth: DD/MM/YYYY',
63                  border: OutlineInputBorder(
64                    borderRadius: BorderRadius.circular(30.0),
65                    borderSide: BorderSide.none,
66                  ),
67                ),
68              ),
69              SizedBox(height: 10),
70              Row(
71                mainAxisAlignment: MainAxisAlignment.center,
72                children: [
73                  ChoiceChip(
74                    label: Text('Male', style: TextStyle(color: Colors.black)),
75                    selected: true,
76                    onSelected: (bool selected) {},
77                  ),
78                  SizedBox(width: 10),
79                  ChoiceChip(
80                    label:
81                      Text('Female', style: TextStyle(color: Colors.black)),
82                    selected: false,
83                    onSelected: (bool selected) {},
84                  ),
85                ],
86              ),
87              SizedBox(height: 20),
88              ElevatedButton(
89                style: ElevatedButton.styleFrom(
90                  backgroundColor: Colors.green,
91                  shape: RoundedRectangleBorder(
92                    borderRadius: BorderRadius.circular(30.0),
93                  ),
94                  padding: EdgeInsets.symmetric(horizontal: 50, vertical: 15),
95                ),
96                onPressed: () {},
97                child: Text('Sign Up'),
98              ),
99              SizedBox(height: 20),
100             GestureDetector(
101               onTap: () {
102                 Navigator.pop(context);
103               },
104               child: Text(
105                 'Already have an account? Sign In',
106                 style: TextStyle(color: Colors.green),
107               ),
108             ),
109           ],
110         ),
111       ),
112     );
113   }
114 }
115
116
```

### 3. Code Main.dart

```
1 import 'package:flutter/material.dart';
2 import 'package:sizing_ui/loginpage.dart';
3
4 void main() {
5   runApp(const MyApp());
6 }
7
8 class MyApp extends StatelessWidget {
9   const MyApp({super.key});
10
11   // This widget is the root of your application.
12   @override
13   Widget build(BuildContext context) {
14     return MaterialApp(
15       title: 'Flutter Demo',
16       debugShowCheckedStackBanner: false,
17       theme: ThemeData(
18         // This is the theme of your application.
19         //
20         // TRY THIS: Try running your application with "flutter run". You'll see
21         // the application has a purple toolbar. Then, without quitting the app,
22         // try changing the seedColor in the colorScheme below to Colors.green
23         // and then invoke "hot reload" (save your changes or press the "Hot
24         // reload" button in a Flutter-supported IDE, or press "r" if you used
25         // the command line to start the app).
26         //
27         // Notice that the counter didn't reset back to zero; the application
28         // state is not lost during the reload. To reset the state, use hot
29         // restart instead.
30         //
31         // This works for code too, not just values: Most code changes can be
32         // tested with just a hot reload.
33         colorScheme: ColorScheme.fromSeed(seedColor: Colors.deepPurple),
34         useMaterial3: true,
35       ),
36       home: LoginPage(),
37     );
38   }
39 }
40
41 class MyHomePage extends StatefulWidget {
42   const MyHomePage({super.key, required this.title});
43
44   // This widget is the home page of your application. It is stateful, meaning
45   // that it has a state object (defined below) that contains fields that affect
46   // how it looks.
47
48   // This class is the configuration for the state. It holds the values (in this
49   // case the title) provided by the parent (in this case the App widget) and
50   // used by the build method of the state. Fields in a widget subclass are
51   // always marked "final".
52
53   final String title;
54
55   @override
56   State<MyHomePage> createState() => MyHomePageState();
57 }
58
59 class MyHomePageState extends State<MyHomePage> {
60   int counter = 0;
61
62   void _incrementCounter() {
63     setState(() {
64       // This call to setState tells the Flutter framework that something has
65       // changed in this state, which causes it to rerun the build method below
66       // so that the display can reflect the updated values. If we changed
67       // _counter without calling setState(), then the build method would not be
68       // called again, and so nothing would appear to happen.
69       _counter++;
70     });
71   }
72
73   @override
74   Widget build(BuildContext context) {
75     // This method is rerun every time setState is called, for instance as done
76     // by the _incrementCounter method above.
77     //
78     // The Flutter framework has been optimized to make rerunning build methods
79     // fast, so that you can just rebuild anything that needs updating rather
80     // than having to individually change instances of widgets.
81     return Scaffold(
82       appBar: AppBar(
83         // TRY THIS: Try changing the color here to a specific color (to
84         // Colors.amber, perhaps) and trigger a hot reload to see the AppBar
85         // change color while the other colors stay the same.
86         backgroundColor: Theme.of(context).colorScheme.inversePrimary,
87         // Here we take the value from the MyHomePage object that was created by
88         // the App.build method, and use it to set our appBar title.
89         title: Text(widget.title),
90       ),
91       body: Center(
92         // Center is a layout widget. It takes a single child and positions it
93         // in the middle of the parent.
94         child: Column(
95           // Column is also a layout widget. It takes a list of children and
96           // arranges them vertically. By default, it sizes itself to fit its
97           // children horizontally, and tries to be as tall as its parent.
98           //
99           // Column has various properties to control how it sizes itself and
100           // how it positions its children. Here we use mainAxisAlignment to
101           // center the children vertically; the main axis here is the vertical
102           // axis because Columns are vertical (the cross axis would be
103           // horizontal).
104           //
105           // TRY THIS: Invoke "debug painting" (choose the "Toggle Debug Paint"
106           // action in the IDE, or press "p" in the console), to see the
107           // wireframe for each widget.
108           mainAxisAlignment: MainAxisAlignment.center,
109           children: widget[
110             const Text(
111               'You have pushed the button this many times:',
112             ),
113             Text(
114               '$counter',
115               style: Theme.of(context).textTheme.headlineMedium,
116             ),
117           ],
118         ),
119       ),
120       floatingActionButton: FloatingActionButton(
121         onPressed: _incrementCounter,
122         tooltip: 'Increment',
123         child: const Icon(Icons.add),
124       ), // This trailing comma makes auto-formatting nicer for build methods.
125     );
126   }
127 }
128
```

#### 4. Tampilan Halaman Sign-In



The Spotify Sign-In screen features a black background with the Spotify logo at the top center. Below the logo are two rounded input fields for 'Username' and 'Password'. To the right of the password field is a link for 'Forgot password?'. A large red 'Sign In' button is centered below the fields. Underneath the button is the text 'Sign in With:' followed by Facebook and Google+ social login icons. At the bottom, a link reads 'Don't have an account? Sign Up'.



Username

Password

[Forgot password?](#)

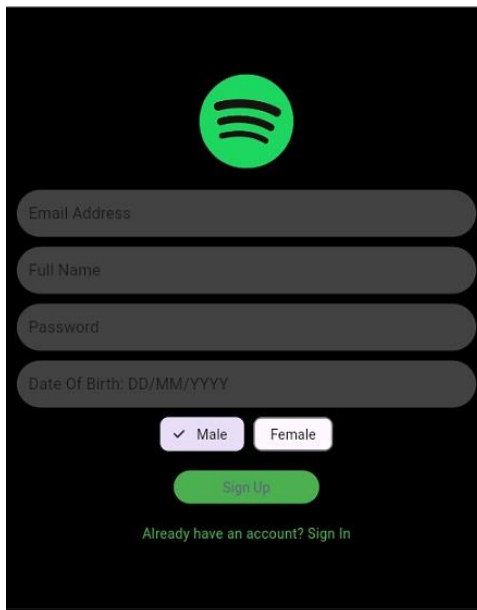
Sign In

Sign in With:

[Don't have an account? Sign Up](#)

#### 5. Tampilan Halaman Sign-Up



The Spotify Sign-Up screen has a black background with the Spotify logo at the top center. It contains four rounded input fields for 'Email Address', 'Full Name', 'Password', and 'Date Of Birth: DD/MM/YYYY'. Below the date field are two buttons for gender selection: 'Male' (with a checkmark) and 'Female'. A large red 'Sign Up' button is centered below the gender buttons. At the bottom, a link reads 'Already have an account? Sign In'.

Email Address

Full Name

Password

Date Of Birth: DD/MM/YYYY

☒ Male ☐ Female

Sign Up

[Already have an account? Sign In](#)