Laporan UAS Pemrograman Mobile

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Slicing Ui Halaman Login dan Register Aplikasi spotify di mobile

1. Code LoginPage

```dart
import 'package:flutter/material.dart';
import 'package:slicing_ui/SignUp.dart';

class LoginPage extends StatefulWidget {
  const LoginPage({super.key});

  @override
  State<LoginPage> createState() => _LoginPageState();
}

class _LoginPageState extends State<LoginPage> {
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      backgroundColor: Colors.black,
      body: Center(
        child: Padding(
          padding: EdgeInsets.all(16.0),
          child: Column(
            mainAxisAlignment: MainAxisAlignment.center,
            children: <Widget>[
              Image.asset(
                'assets/logo_spotify.png',
                height: 100,
              ),
              SizedBox(height: 20),
              TextField(
                decoration: InputDecoration(
                  filled: true,
                  fillColor: Colors.grey[800],
                  hintText: 'Username',
                  border: OutlineInputBorder(
                    borderRadius: BorderRadius.circular(30.0),
                    borderSide: BorderSide.none,
                  ),
                ),
              ),
              SizedBox(height: 10),
              TextField(
                obscureText: true,
                decoration: InputDecoration(
                  filled: true,
                  fillColor: Colors.grey[800],
                  hintText: 'Password',
                  border: OutlineInputBorder(
                    borderRadius: BorderRadius.circular(30.0),
                    borderSide: BorderSide.none,
                  ),
                ),
              ),
              SizedBox(height: 10),
              Align(
                alignment: Alignment.centerRight,
                child: Text(
                  'Forgot password?',
                  style: TextStyle(color: Colors.grey),
                ),
              ),
              SizedBox(height: 20),
              ElevatedButton(
                style: ElevatedButton.styleFrom(
                  backgroundColor: Colors.green,
                  shape: RoundedRectangleBorder(
                    borderRadius: BorderRadius.circular(30.0),
                  ),
                  padding: EdgeInsets.symmetric(horizontal: 50, vertical: 15),
                ),
                onPressed: () {
                  //
                },
                child: Text('Sign in'),
              ),
              SizedBox(height: 20),
              Text(
                'Sign In With',
                style: TextStyle(color: Colors.grey),
              ),
              SizedBox(height: 10),
              Row(
                mainAxisAlignment: MainAxisAlignment.center,
                children: [
                  IconButton(
                    icon: Icon(Icons.facebook, color: Colors.grey),
                    onPressed: () {},
                  ),
                  IconButton(
                    icon: Icon(Icons.g_translate, color: Colors.grey),
                    onPressed: () {},
                  ),
                ],
              ),
              SizedBox(height: 20),
              GestureDetector(
                onTap: () {
                  Navigator.push(
                    context,
                    MaterialPageRoute(builder: (context) => SignUpScreen()),
                  );
                },
                child: Text(
                  "Don't have an account? Sign Up",
                  style: TextStyle(color: Colors.green),
                ),
              ),
            ],
          ),
        ),
      ),
    );
  }
}
```

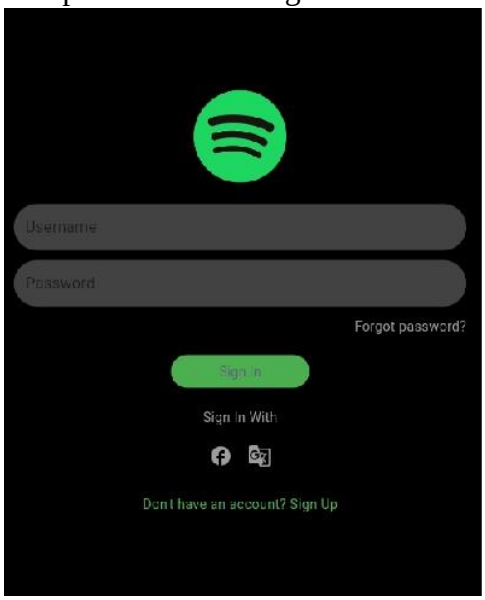
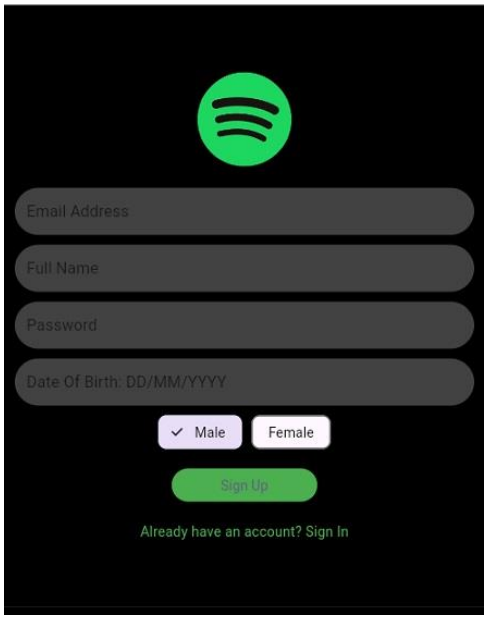
2. Code Halaman Register

```dart
import 'package:flutter/material.dart';

class SignUpScreen extends StatelessWidget {
  const SignUpScreen({super.key});

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      backgroundColor: Colors.black,
      body: Center(
        child: Padding(
          padding: const EdgeInsets.all(16.0),
          child: Column(
            mainAxisAlignment: MainAxisAlignment.center,
            children: <Widget>[
              Image.network(
                'assets/logo_spotify.png',
                height: 100,
              ),
              SizedBox(height: 20),
              TextField(
                decoration: InputDecoration(
                  filled: true,
                  fillColor: Colors.grey[800],
                  hintText: 'Email Address',
                  border: OutlineInputBorder(
                    borderRadius: BorderRadius.circular(30.0),
                    borderSide: BorderSide.none,
                  ),
                ),
              ),
              SizedBox(height: 10),
              TextField(
                decoration: InputDecoration(
                  filled: true,
                  fillColor: Colors.grey[800],
                  hintText: 'Full Name',
                  border: OutlineInputBorder(
                    borderRadius: BorderRadius.circular(30.0),
                    borderSide: BorderSide.none,
                  ),
                ),
              ),
              SizedBox(height: 10),
              TextField(
                obscureText: true,
                decoration: InputDecoration(
                  filled: true,
                  fillColor: Colors.grey[800],
                  hintText: 'Password',
                  border: OutlineInputBorder(
                    borderRadius: BorderRadius.circular(30.0),
                    borderSide: BorderSide.none,
                  ),
                ),
              ),
              SizedBox(height: 10),
              TextField(
                decoration: InputDecoration(
                  filled: true,
                  fillColor: Colors.grey[800],
                  hintText: 'Date Of Birth: DD/MM/YYYY',
                  border: OutlineInputBorder(
                    borderRadius: BorderRadius.circular(30.0),
                    borderSide: BorderSide.none,
                  ),
                ),
              ),
              SizedBox(height: 10),
              Row(
                mainAxisAlignment: MainAxisAlignment.center,
                children: [
                  ChoiceChip(
                    label: Text('Male', style: TextStyle(color: Colors.black)),
                    selected: true,
                    onSelected: (bool selected) {},
                  ),
                  SizedBox(width: 10),
                  ChoiceChip(
                    label:
                        Text('Female', style: TextStyle(color: Colors.black)),
                    selected: false,
                    onSelected: (bool selected) {},
                  ),
                ],
              ),
              SizedBox(height: 20),
              ElevatedButton(
                style: ElevatedButton.styleFrom(
                  backgroundColor: Colors.green,
                  shape: RoundedRectangleBorder(
                    borderRadius: BorderRadius.circular(30.0),
                  ),
                  padding: EdgeInsets.symmetric(horizontal: 50, vertical: 15),
                ),
                onPressed: () {},
                child: Text('Sign Up'),
              ),
              SizedBox(height: 20),
              GestureDetector(
                onTap: () {
                  Navigator.pop(context);
                },
                child: Text(
                  "Already have an account? Sign in",
                  style: TextStyle(color: Colors.green),
                ),
              ),
            ],
          ),
        ),
      ),
    );
  }
}
```

3. Code Main.dart

```dart
import 'package:flutter/material.dart';
import 'package:slicing_ui/loginpage.dart';

void main() {
  runApp(const MyApp());
}

class MyApp extends StatelessWidget {
  const MyApp({super.key});

  // This widget is the root of your application.
  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      title: 'Flutter Demo',
      debugShowCheckedModeBanner: false,
      theme: ThemeData(
        // This is the theme of your application.
        //
        // TRY THIS: Try running your application with "flutter run". You'll see
        // the application has a purple toolbar. Then, without quitting the app,
        // try changing the seedColor in the colorScheme below to Colors.green
        // and then invoke "hot reload" (save your changes or press the "hot
        // reload" button in a Flutter-supported IDE, or press "r" if you used
        // the command line to start the app).
        //
        // Notice that the counter didn't reset back to zero; the application
        // state is not lost during the reload. To reset the state, use hot
        // restart instead.
        //
        // This works for code too, not just values: Most code changes can be
        // tested with just a hot reload.
        colorScheme: ColorScheme.fromSeed(seedColor: Colors.deepPurple),
        useMaterial3: true,
      ),
      home: LoginPage(),
    );
  }
}

class MyHomePage extends StatefulWidget {
  const MyHomePage({super.key, required this.title});

  // This widget is the home page of your application. It is stateful, meaning
  // that it has a State object (defined below) that contains fields that affect
  // how it looks.

  // This class is the configuration for the state. It holds the values (in this
  // case the title) provided by the parent (in this case the App widget) and
  // used by the build method of the State. Fields in a Widget subclass are
  // always marked "final".

  final String title;

  @override
  State<MyHomePage> createState() =>  _MyHomePageState();
}

class _MyHomePageState extends State<MyHomePage> {
  int _counter = 0;

  void _incrementCounter() {
    setState(() {
      // This call to setState tells the Flutter framework that something has
      // changed in this State, which causes it to rerun the build method below
      // so that the display can reflect the updated values. If we changed
      // _counter without calling setState(), then the build method would not be
      // called again, and so nothing would appear to happen.
      _counter++;
    });
  }

  @override
  Widget build(BuildContext context) {
    // This method is rerun every time setState is called, for instance as done
    // by the _incrementCounter method above.
    //
    // The Flutter framework has been optimized to make rerunning build methods
    // fast, so that you can just rebuild anything that needs updating rather
    // than having to individually change instances of widgets.
    return Scaffold(
      appBar: AppBar(
        // TRY THIS: Try changing the color here to a specific color (to
        // Colors.amber, perhaps?) and trigger a hot reload to see the AppBar
        // change color while the other colors stay the same.
        backgroundColor: Theme.of(context).colorScheme.inversePrimary,
        // Here we take the value from the MyHomePage object that was created by
        // the App.build method, and use it to set our appbar title.
        title: Text(widget.title),
      ),
      body: Center(
        // Center is a layout widget. It takes a single child and positions it
        // in the middle of the parent.
        child: Column(
          // Column is also a layout widget. It takes a list of children and
          // arranges them vertically. By default, it sizes itself to fit its
          // children horizontally, and tries to be as tall as its parent.
          //
          // Column has various properties to control how it sizes itself and
          // how it positions its children. Here we use mainAxisAlignment to
          // center the children vertically; the main axis here is the vertical
          // axis because Columns are vertical (the cross axis would be
          // horizontal).
          //
          // TRY THIS: invoke "debug painting" (choose the "Toggle Debug Paint"
          // action in the IDE, or press "p" in the console), to see the
          // wireframe for each widget.
          mainAxisAlignment: MainAxisAlignment.center,
          children: <Widget>[
            const Text(
              'You have pushed the button this many times:',
            ),
            Text(
              '$_counter',
              style: Theme.of(context).textTheme.headlineMedium,
            ),
          ],
        ),
      ),
      floatingActionButton: FloatingActionButton(
        onPressed: _incrementCounter,
        tooltip: 'Increment',
        child: const Icon(Icons.add),
      ), // This trailing comma makes auto-formatting nicer for build methods.
    );
  }
}
```

4. Tampilan Halaman Sign-In



5. Tampilan Halaman Sign-Up