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Exp -04

Aim:

Code:

Output:

Welcome.dart

```
import 'package:demo2/login.dart';
import 'package:demo2/signup.dart';
import 'package:flutter/material.dart';

class Welcome extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      home: Scaffold(
        appBar: AppBar(
          leading: IconButton(
            icon: Icon(Icons.arrow_back, color: Colors.white),
            onPressed: () => Navigator.of(context).pop(),
          ),
          title: Text('LOGIN'),
        ),
        body: Center(
          child: Column(
            mainAxisAlignment: MainAxisAlignment.center,
            children: <Widget>[
              // replace with your logo url
              Container(
                margin: EdgeInsets.symmetric(horizontal: 10, vertical: 40),
                padding: EdgeInsets.all(10),
                height: 100, // Adjust the height as needed
                child: Center(
                  child: Image.asset("assets/mmt.png"),
                ),
              ),
              //Image.asset("assets/mmt.png"),
            ],
          ),
        ),
      ),
    );
  }
}
```

[illegible]

```

        style: TextStyle(color: Colors.white)
      ),
    ),
  ),
  SizedBox(height: 10),
  Row(
    mainAxisAlignment: MainAxisAlignment.spaceEvenly, // Adjusts the spacing between
the buttons
    children: <Widget>[
      Expanded(
        child: Padding(
          padding: EdgeInsets.all(10),
          child: ElevatedButton(
            onPressed: () {
              // Handle sign up
              Navigator.push(
                context,
                MaterialPageRoute(builder: (context) => SignUp()), // Replace with your
screen
              );
            },
            style: ElevatedButton.styleFrom(
              backgroundColor: Colors.redAccent,
              shape: RoundedRectangleBorder(borderRadius: BorderRadius.circular(10)),
            ),
            child: Text('SIGNUP', style: TextStyle(color: Colors.white)),
          ),
        ),
      ),
      Expanded(
        child: Padding(
          padding: EdgeInsets.all(10),
          child: ElevatedButton(
            onPressed: () {
              // Handle login
              Navigator.push(
                context,
                MaterialPageRoute(builder: (context) => Login()), // Replace with your screen
              );
            },
            style: ElevatedButton.styleFrom(
              backgroundColor: Colors.green,
              shape: RoundedRectangleBorder(borderRadius: BorderRadius.circular(10)),
            ),
          ),
        ),
      ),
    ],
  ),
),
)

```

```

        child: Text('LOGIN', style: TextStyle(color: Colors.white)),
      ),
    ),
  ],
),
],
),
),
);
}
}

```

Homepage.dart

```

import 'package:demo2/welcome.dart';
import 'package:firebase_auth/firebase_auth.dart';
import 'package:flutter/cupertino.dart';
import 'package:flutter/material.dart';

```

```

class HomePage extends StatelessWidget {
  const HomePage({Key? key}) : super(key: key);

```

```

  @override

```

```

  Widget build(BuildContext context) {

```

```

    final user = FirebaseAuth.instance.currentUser;

```

```

    return Scaffold(

```

```

      appBar: AppBar(

```

```

        title: Text('HomePage'),
      ),

```

```

      body: SafeArea(

```

```

        child: Column(
          children: [

```

```

Text('Hello ${user?.email}', style: TextStyle(fontSize: 40)),
ElevatedButton(
  style: ElevatedButton.styleFrom(backgroundColor: Colors.green),
  //onPressed: () {
    //FirebaseAuth.instance.signOut();
  //},
  //child: Text(
    //'LogOut',
  //),
  onPressed: () async {
    try {
      // Attempt to sign out
      await FirebaseAuth.instance.signOut();

      // If successful, navigate to the next page
      Navigator.push(
        context,
        MaterialPageRoute(builder: (context) => Welcome()), // Replace with your screen
      );
    } catch (e) {
      // Handle sign-out error
      print(e);
    }
  },
  child: Text('LogOut'),
)
],
),
);
}
}

```

Login.dart

```

import 'package:demo2/homepage.dart';
import 'package:firebase_auth/firebase_auth.dart';
import 'package:flutter/cupertino.dart';
import 'package:flutter/material.dart';

```

```

class Login extends StatefulWidget {
  const Login({Key? key}) : super(key: key);

```

```
@override
State<Login> createState() => _LoginState();
}

class _LoginState extends State<Login> {

final emailController = TextEditingController();
final passwordController = TextEditingController();

@override
void dispose() {
emailController.dispose();
passwordController.dispose();
super.dispose();
}

@override
Widget build(BuildContext context) {
return Scaffold(
appBar: AppBar(
title: const Text('Firebase'),
),
body: SafeArea(
child: Column(
crossAxisAlignment: CrossAxisAlignment.center,
mainAxisAlignment: MainAxisAlignment.center,
children: [
Center(
child: Container(
decoration: BoxDecoration(
color: Colors.transparent,
border: Border.all(
color: Colors.black,
),
borderRadius: BorderRadius.circular(15),
),
width: MediaQuery.of(context).size.width * .8,
child: TextField(
controller: emailController,
style: const TextStyle(
fontSize: 30,
color: Colors.black,
fontWeight: FontWeight.bold,
),
```

```

decoration: InputDecoration(
  hintText: 'Email',
  hintStyle: TextStyle(color: Colors.black.withOpacity(0.5), fontSize: 25),
  border: InputBorder.none,
),
),
),
),
),
  SizedBox(
    height: 25,
  ),
  Center(
    child: Container(
      decoration: BoxDecoration(
        color: Colors.transparent,
        border: Border.all(
          color: Colors.black,
        ),
        borderRadius: BorderRadius.circular(15),
      ),
    width: MediaQuery.of(context).size.width * .8,
    child: TextField(
      controller: passwordController,
      obscureText: true,
      style: const TextStyle(
        fontSize: 30,
        color: Colors.black,
        fontWeight: FontWeight.bold,
      ),
      decoration: InputDecoration(
        hintText: passwordController.text.isEmpty ? 'Password' : null,
        hintStyle: TextStyle(color: Colors.black.withOpacity(0.5), fontSize: 25),
        border: InputBorder.none,
      ),
    ),
  ),
  ),
  ),
  ),
  Padding(
    padding: EdgeInsets.all(10),

    child: ElevatedButton(

      style: ElevatedButton.styleFrom(
        shape: RoundedRectangleBorder(borderRadius: BorderRadius.circular(10)),

```

```

        backgroundColor: Colors.green
      ),
      //onPressed: () {
        //FirebaseAuth.instance.signInWithEmailAndPassword(email:
emailController.text.trim(), password: passwordController.text.trim());
      //},
      //child: Text('Login')
    onPressed: () async {
      try {
        // Attempt to sign in
        await FirebaseAuth.instance.signInWithEmailAndPassword(
          email: emailController.text.trim(),
          password: passwordController.text.trim()
        );

        // If successful, navigate to the next page
        Navigator.push(
          context,
          MaterialPageRoute(builder: (context) => HomePage()), // Replace with your
screen
        );
      } catch (e) {
        // Handle sign-in error
        print(e);
      }
    },
    child: Text('Login'),
  ),
),
],
),
),
);
}
}

```

Signup.dart

```

import 'package:demo2/homepage.dart';
import 'package:firebase_auth/firebase_auth.dart';
import 'package:flutter/cupertino.dart';
import 'package:flutter/material.dart';

```



```

class SignUp extends StatefulWidget {
  const SignUp({Key? key}) : super(key: key);

  @override
  State<SignUp> createState() => _SignUpState();
}

class _SignUpState extends State<SignUp> {

  final emailController = TextEditingController();
  final passwordController = TextEditingController();

  @override
  void dispose() {
    emailController.dispose();
    passwordController.dispose();
    super.dispose();
  }
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(
        title: const Text('Firebase'),
      ),
      body: SafeArea(
        child: Column(
          crossAxisAlignment: CrossAxisAlignment.center,
          mainAxisAlignment: MainAxisAlignment.center,
          children: [
            Center(
              child: Container(
                decoration: BoxDecoration(
                  color: Colors.transparent,
                  border: Border.all(
                    color: Colors.black,
                  ),
                  borderRadius: BorderRadius.circular(15),
                ),
                width: MediaQuery.of(context).size.width * .8,
                child: TextField(
                  controller: emailController,
                  style: const TextStyle(
                    fontSize: 30,

```

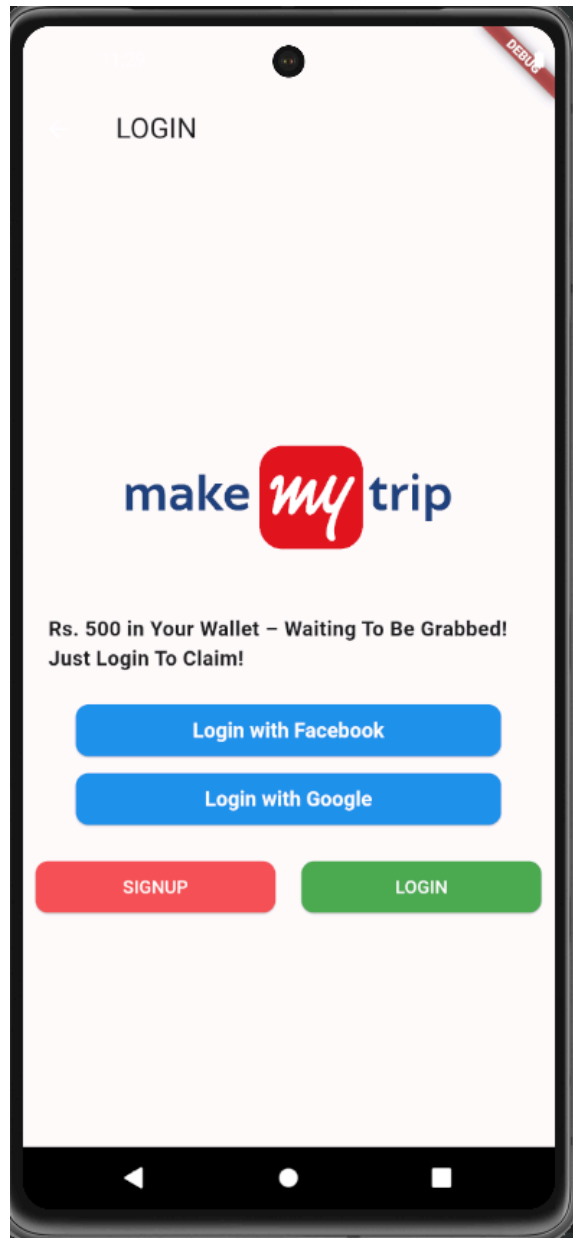
[illegible]

```

        style: ElevatedButton.styleFrom(
          backgroundColor: Colors.blue
        ),
        onPressed: () {
          //FirebaseAuth.instance.createUserWithEmailAndPassword(email:
emailController.text.trim(), password: passwordController.text.trim());
          //}, child: Text('signUp'))
          onPressed: () async {
            try {
              // Attempt to create a user
              await FirebaseAuth.instance.createUserWithEmailAndPassword(
                email: emailController.text.trim(),
                password: passwordController.text.trim()
              );

              // If successful, navigate to the next page
              Navigator.push(
                context,
                MaterialPageRoute(builder: (context) => HomePage()), // Replace with your screen
              );
            } catch (e) {
              // Handle sign-up error
              print(e);
            }
          },
          child: Text('signUp'),
        ),
      ),
    ],
  ),
);
}
}

```





← HomePage

Hello jiya@m.com

Logout



