



FIREBASE CONNECTION



Code:

```
// ignore_for_file: library_private_types_in_public_api, camel_case_types,
annotate_overrides, avoid_print
```

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

```
import 'firebase_options.dart';
```

```
import 'package:firebase_core/firebase_core.dart';
```

```
import 'package:cloud_firestore/cloud_firestore.dart';
```

```
Future<void> main() async {
```

```
  WidgetsFlutterBinding.ensureInitialized();
```

```
  await Firebase.initializeApp(
```

```
    options: DefaultFirebaseOptions.currentPlatform,
```

```
  );
```

```
  runApp(const MyApp());
```

```
}
```

```
class MyApp extends StatelessWidget {
```

```
  const MyApp({super.key});
```

```
  @override
```

```
  Widget build(BuildContext context) {
```

```
    return MaterialApp(
```

```
      home: Scaffold(
```

```
        appBar: AppBar(
```

```
          title: const Text(
```

```
        'Database Connectivity With Firebase',  
        style: TextStyle(  
          fontWeight: FontWeight.bold,  
          fontSize: 20,  
        ),  
      ),  
      backgroundColor: Colors.blueGrey,  
    ),  
    body: const SecondScreen(),  
  ),  
);  
}  
}
```

```
class SecondScreen extends StatefulWidget {  
  const SecondScreen({super.key});  
  
  @override  
  _SecondScreenState createState() => _SecondScreenState();  
}
```

```
class _SecondScreenState extends State<SecondScreen> {  
  final _formKey = GlobalKey<FormState>();  
}
```

```
final TextEditingController Firstnamecont = TextEditingController();  
final TextEditingController Lastnamecont = TextEditingController();  
final TextEditingController emailController = TextEditingController();  
final TextEditingController passController = TextEditingController();
```

```
Future<void> saveData() async {  
  if (_formKey.currentState!.validate()) {  
    String email = emailController.text;  
    String pass = passController.text;  
    String fname = Firstnamecont.text;  
    String lname = Lastnamecont.text;  
  
    final db = FirebaseFirestore.instance;  
  
    try {  
      await db.collection('users').add({  
        'Firstname': fname,  
        'Lastname': lname,  
        'email': email,  
        'password': pass,  
      });  
  
      ScaffoldMessenger.of(context).showSnackBar(  

```

```
        const SnackBar(content: Text('Data Saved Successfully')),
    );
    Firstnamecont.clear();
    Lastnamecont.clear();
    emailController.clear();
    passController.clear();
  } catch (error) {
    ScaffoldMessenger.of(context).showSnackBar(
      SnackBar(content: Text('Error Occurred: $error')),
    );
  }
}

@override
Widget build(BuildContext context) {
  return Scaffold(
    body: Form(
      key: _formKey,
      child: Padding(
        padding: const EdgeInsets.all(170.0),
        child: Column(
          mainAxisAlignment: MainAxisAlignment.center,
          children: [
```

```
TextFormField(  
  decoration: const InputDecoration(  
    border: OutlineInputBorder(),  
    hintText: 'Enter the First Name',  
  ),  
  controller: Firstnamecont,  
  validator: (value) {  
    if (value == null || value.isEmpty) {  
      return 'Please enter the First Name';  
    }  
    return null;  
  },  
,  
  const SizedBox(height: 10),  
  TextFormField(  
    decoration: const InputDecoration(  
      border: OutlineInputBorder(),  
      hintText: 'Enter the Last Name',  
    ),  
    controller: Lastnamecont,  
    validator: (value) {  
      if (value == null || value.isEmpty) {  
        return 'Please enter the Last Name';  
      }  
    }  
  ),  
)
```

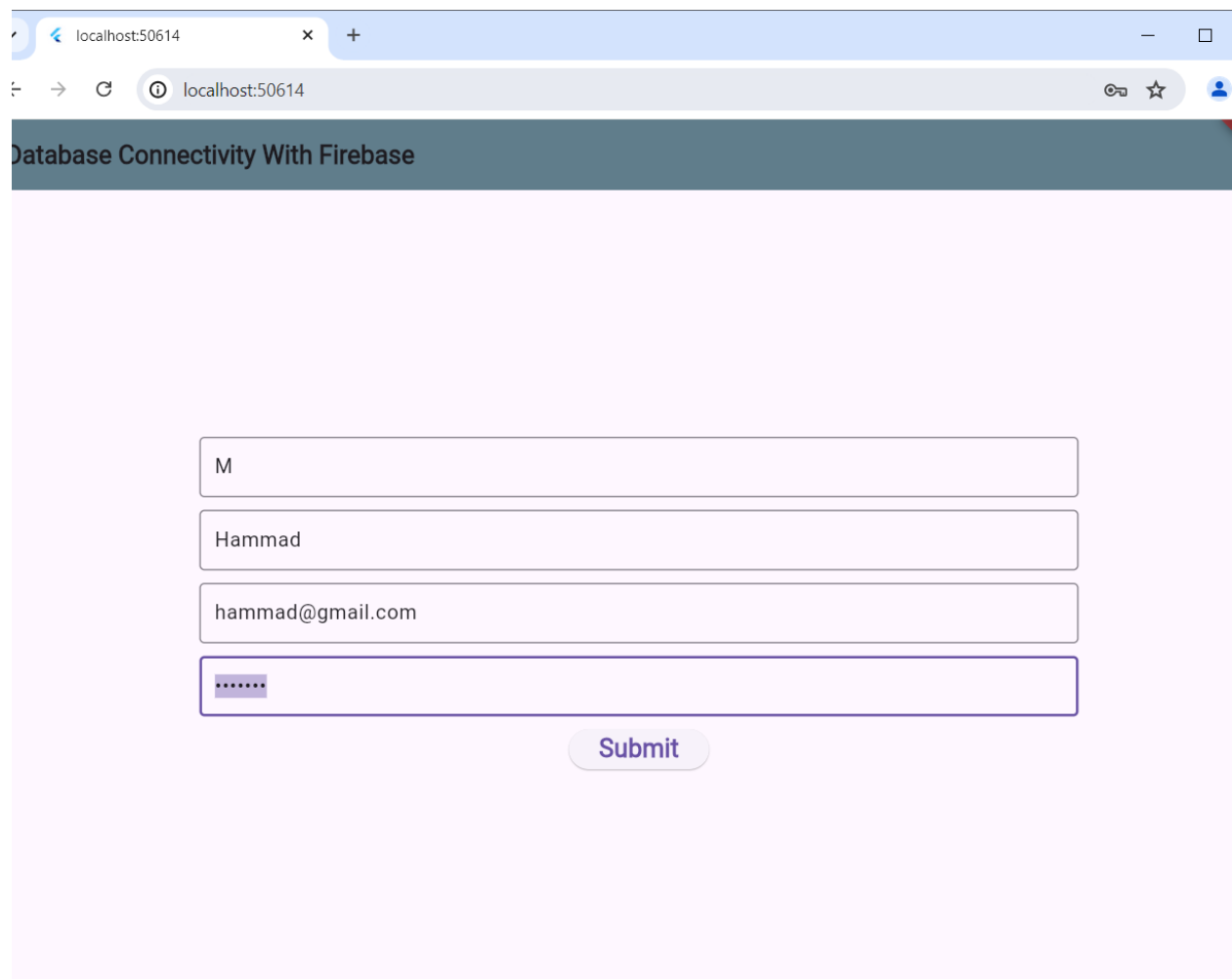
```
    }  
    return null;  
  },  
),  
const SizedBox(height: 10),  
TextFormField(  
  decoration: const InputDecoration(  
    border: OutlineInputBorder(),  
    hintText: 'Enter the Email',  
  ),  
  controller: emailController,  
  validator: (value) {  
    if (value == null || value.isEmpty) {  
      return 'Please enter the Email';  
    }  
    return null;  
  },  
),  
const SizedBox(height: 10),  
TextFormField(  
  decoration: const InputDecoration(  
    border: OutlineInputBorder(),  
    hintText: 'Enter the Password',
```

```
    ),  
    controller: passController,  
    obscureText: true,  
    validator: (value) {  
      if (value == null || value.isEmpty) {  
        return 'Please enter the Password';  
      }  
      return null;  
    },  
  ),  
  const SizedBox(height: 10),  
  ElevatedButton(  
    onPressed: saveData,  
    child: const Text(  
      'Submit',  
      style: TextStyle(  
        fontSize: 20,  
        fontWeight: FontWeight.bold,  
      ),  
    ),  
  ),  
],  
),
```



```
    ),  
    ),  
);  
}  
}
```

Output:



The screenshot shows a web browser window with the address bar displaying 'localhost:50614'. The page title is 'Database Connectivity With Firebase'. The form contains four input fields: a text field with 'M', a text field with 'Hammad', a text field with 'hammad@gmail.com', and a password field with masked characters. A 'Submit' button is located below the password field.

Database Connectivity With Firebase

M

Hammad

hammad@gmail.com

.....

Submit

Cloud Fire store:

Project Overview

Generative AI

Build with Gemini

Project shortcuts

Firestore Database

Authentication

Product categories

Build

Run

Analytics

All products

Spark

No cost \$0/month

Upgrade

firebase-app

Cloud Firestore

Protect your Cloud Firestore resources from abuse, such as billing fraud or phishing

Configure App Check

Panel view

Query builder

More in Google Cloud

users

rF2tgFXMWNnw

(default)

users

rF2tgFXMWNnw9MYEHwa2

+ Start collection

users

+ Add document

Qu4FVymJr190rNXYawpy

ZJYFRz8RAAk3KoQy8yF3

q1W7iS4NPWvT1bHeZLLs

rF2tgFXMWNnw9MYEHwa2

+ Start collection

+ Add field

Firstname: "M"

Lastname: "Hammad"

email: "hammad@gmail.com"

password: "54321@12"