

1.Display Network Image in Flutter

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

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

class MyApp extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      home: Scaffold(
        appBar: AppBar(
          title: Text('Flutter App'),
        ),
        body: Container(
          width: double.infinity,
          height: double.infinity,
          decoration: BoxDecoration(
            image: DecorationImage(
              image: NetworkImage(
                "https://images.rawpixel.com/image_800/cHJpdmF0ZS9sci9pbWFnZXMvd
                2Vic2l0ZS8yMDIyLTA1L3Y5OTYtMDI1LWpvYjU5OC5qcGc.jpg",
              ),
              fit: BoxFit.cover,
            ),
          ),
          child: Center(
            child: Column(
              mainAxisAlignment: MainAxisAlignment.min,
              children: [
```

```
Text(  
  "Sajid Watandar",  
  style: TextStyle(color: Colors.black, fontSize: 24),  
)  
  SizedBox(height: 10),  
  Text(  
    "Reg no : U15IG22S0089",  
    style: TextStyle(color: Colors.black, fontSize: 20),  
  ),  
],  
)  
)  
)  
)  
)  
);  
}  
}
```

2.Build A Personal Profile App Screen

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

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

class MyApp extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      home: MyMessage(),
      debugShowCheckedModeBanner: false,
    );
  }
}

class MyMessage extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(
        title: Text("My Profile"),
        centerTitle: true,
      ),
      body: Center(
        child: Column(
          mainAxisAlignment: MainAxisAlignment.center,
          crossAxisAlignment: CrossAxisAlignment.center,
          children: [
            CircleAvatar(
              radius: 50,
```

```
        backgroundImage: AssetImage('images/sajid.jpg'),
      ),
      SizedBox(height: 20),
      Text(
        "Sajid Watandar",
        style: TextStyle(fontSize: 22, fontWeight: FontWeight.bold),
      ),
      SizedBox(height: 8),
      Text(
        "U15IG22S0089",
        style: TextStyle(fontSize: 16,
color:Colors.black87,fontWeight:FontWeight.bold),
      ),
      SizedBox(height: 8),
      Text(
        "Flutter Beginner",
        style: TextStyle(fontSize: 16, color: Colors.grey[700]),
      ),
      SizedBox(height: 20),
      Row(
        mainAxisAlignment: MainAxisAlignment.center,
        children: [
          IconButton(
            icon: Icon(Icons.email),
            onPressed: () {
              ScaffoldMessenger.of(context).showSnackBar(
                SnackBar(
                  content: Text("sajid@gmail.com"),
                  duration: Duration(seconds: 3),
```

```

        ),
    );
  },
),
SizedBox(width: 20),
IconButton(
  icon: Icon(Icons.call, color: Colors.blue),
  onPressed: () {
    ScaffoldMessenger.of(context).showSnackBar(
      SnackBar(
        content: Text("7676625334"),
      ),
    );
  },
),
SizedBox(width: 20),
IconButton(
  icon: Icon(Icons.location_on, color: Colors.red),
  onPressed: () {
    ScaffoldMessenger.of(context).showSnackBar(
      SnackBar(S
        content: Text("Jamkhandi"),
      ),
    );
  },
),
],
),
],

```

),

),

);

}

}

3.Static Product Card For a Shopping App

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

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

class MyApp extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      home: ProductCardPage(),
      debugShowCheckedModeBanner: false,
    );
  }
}

class ProductCardPage extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(title: Text('Product Card')),
      body: Center(
        child: Column(
          mainAxisAlignment: MainAxisAlignment.min,
          children: [
            Text(
              'U15IG22S0089',
              style: TextStyle(
                fontSize: 16,
                fontWeight: FontWeight.bold,
                color: Colors.blueGrey,
```

```
    ),
  ),
  SizedBox(height: 8),
  Container(
    padding: EdgeInsets.all(12),
    margin: EdgeInsets.all(12),
    decoration: BoxDecoration(
      color: Colors.white,
      border: Border.all(color: Colors.grey, width: 1.2),
      borderRadius: BorderRadius.circular(10),
      boxShadow: [
        BoxShadow(
          color: Colors.grey.withOpacity(0.25),
          spreadRadius: 2,
          blurRadius: 4,
          offset: Offset(2, 3),
        ),
      ],
    ),
    width: 220,
    child: Column(
      mainAxisAlignment: MainAxisAlignment.min,
      children: [
        Image.network(
          'https://www.imagineonline.store/cdn/shop/files/'
          'iPhone_16_Pro_Max_Desert_Titanium_PDP_Image_Position_1__enIN_'
          '6313d2b8-ef64-40f0-b60a-d77be47fd058.jpg?v=1727250893',
          height: 80,
        ),
      ],
    ),
  ),
),
```



```
SizedBox(height: 8),
Text(
  'Apple iPhone 13',
  style: TextStyle(fontSize: 16, fontWeight: FontWeight.bold),
  textAlign: TextAlign.center,
),
SizedBox(height: 4),
Text(
  '₹59,999',
  style: TextStyle(fontSize: 14, color: Colors.green),
),
SizedBox(height: 6),
Row(
  mainAxisAlignment: MainAxisAlignment.center,
  children: [
    Icon(Icons.star, size: 18, color: Colors.orange),
    Icon(Icons.star, size: 18, color: Colors.orange),
    Icon(Icons.star, size: 18, color: Colors.orange),
    Icon(Icons.star, size: 18, color: Colors.orange),
    Icon(Icons.star_border, size: 18, color: Colors.orange),
  ],
),
SizedBox(height: 10),
ElevatedButton(
  onPressed: () {
    ScaffoldMessenger.of(context).showSnackBar(
      SnackBar(content: Text('Item added to cart!')),
    );
  },
),
```

```

        child: Text('Buy Now', style: TextStyle(fontSize: 14)),
        style: ElevatedButton.styleFrom(
          padding: EdgeInsets.symmetric(horizontal: 16, vertical: 8),
          minimumSize: Size.zero,
        ),
      ),
    ],
  ),
),
],
),
),
backgroundColor: Colors.grey[200],
);
}
}

```

4.Navigation And Routing

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

void main() {
  runApp(MaterialApp(
    initialRoute: '/',
    routes: {
      '/': (context) => Home(),
      '/about': (context) => About(),
      '/contact': (context) => Contact(),
      '/studentlist': (context) => StudentList(),
    },
    debugShowCheckedModeBanner: false,
  ));
}
```

```
class Home extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(title: Text('Home')),
      drawer: Drawer(
        child: ListView(
          padding: EdgeInsets.zero,
          children: [
            DrawerHeader(
              decoration: BoxDecoration(color: Color.fromARGB(255, 90, 227, 229)),
              child: Center(
                child: Column(
                  mainAxisAlignment: MainAxisAlignment.min,
```

```
children: [
    CircleAvatar(
      radius: 42,
      backgroundImage: AssetImage('images/assimg.png'),
    ),
    SizedBox(height: 10),
    Text(
      "Sajid Watandar\u\nU15IG22S0089",
      textAlign: TextAlign.center,
      style: TextStyle(
        fontSize: 16,
        fontWeight: FontWeight.bold,
        color: Color.fromARGB(255, 16, 4, 4),
      ),
    ),
  ],
),
),
),
ListTile(
  title: Text('HOME'),
  onTap: () {
    Navigator.pop(context);
    Navigator.pushNamed(context, '/');
  },
),
ListTile(
  title: Text('ABOUT'),
  onTap: () {
```

```

        Navigator.pop(context);
        Navigator.pushNamed(context, '/about');
    },
),
ListTile(
  title: Text('CONTACT'),
  onTap: () {
    Navigator.pop(context);
    Navigator.pushNamed(context, '/contact');
  },
),
ListTile(
  title: Text('STUDENT LIST'),
  onTap: () {
    Navigator.pop(context);
    Navigator.pushNamed(context, '/studentlist');
  },
),
],
),
),
body: Center(
  child: Text('HOME PAGE'),
),
);
}
}

```

```

class About extends StatelessWidget {

```

```

@override
Widget build(BuildContext context) {
  return Scaffold(
    appBar: AppBar(title: Text('About')),
    body: Center(
      child: Text('ABOUT PAGE'),
    ),
  );
}

class Contact extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(title: Text('Contact')),
      body: Center(
        child: Text('Contact Number : 7788990055'),
      ),
    );
  }
}

```

```

class StudentList extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    List<String> names = [
      'Sajid',
      'Adi',

```

```
'Harish',
'Swag',
'Rahul',
];
return Scaffold(
  appBar: AppBar(title: Text('Student List')),
  body: ListView.builder(
    itemCount: names.length,
    itemBuilder: (context, index) {
      return ListTile(
        title: Text(names[index]),
        onTap: () {
          ScaffoldMessenger.of(context).showSnackBar(
            SnackBar(content: Text('Student Name: ${names[index]}')),
          );
        },
      );
    },
  ),
);
}
```

5.A Flutter counter app screen

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

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

class MyApp extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      home: CounterScreen(),
      debugShowCheckedModeBanner: false,
    );
  }
}

class CounterScreen extends StatefulWidget {
  @override
  _CounterScreenState createState() => _CounterScreenState();
}

class _CounterScreenState extends State<CounterScreen> {
  int count = 0;

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(
        title: Text("Count Demo"),
      ),
      body: Center(
        child: Column(
          mainAxisAlignment: MainAxisAlignment.min,
```



```
children: [
  Text(
    'Reg no:U15IG22S0089',
    style: TextStyle(
      fontSize: 18,
      fontWeight: FontWeight.bold,
      color: Colors.black,
    ),
  ),
  SizedBox(height: 20),
  Row(
    mainAxisAlignment: MainAxisAlignment.center,
    children: [
      ElevatedButton(
        child: Text("+"),
        onPressed: () {
          setState(() {
            count++;
          });
          print("Count = $count");
        },
      ),
      SizedBox(width: 20),
      Text(
        "$count",
        style: TextStyle(fontSize: 24),
      ),
      SizedBox(width: 20),
      ElevatedButton(
```

```
      child: Text("-"),
      onPressed: () {
        setState(() {
          count--;
        });
        print("Count = $count");
      },
    ),
  ],
),
],
),
),
);
}
}
```

6. Flutter Login Screen

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

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

class MyApp extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      home: LoginPage(),
      debugShowCheckedModeBanner: false,
    );
  }
}

class LoginPage extends StatefulWidget {
  @override
  LoginPageState createState() {
    return LoginPageState();
  }
}

class LoginPageState extends State<LoginPage> {
  TextEditingController usernamecontroller = TextEditingController();
  TextEditingController passwordcontroller = TextEditingController();
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(
        title: Text('Login Page'),
      ),
    ),
```

```
body: Center(
  child: Column(
    mainAxisAlignment: MainAxisAlignment.min,
    children: [
      Text(
        'Reg no: U15IG22S0089',
        style: TextStyle(
          fontSize: 18,
          fontWeight: FontWeight.bold,
          color: Colors.black,
        ),
      ),
      SizedBox(height: 20),
      Padding(
        padding: EdgeInsets.all(20),
        child: TextField(
          controller: usernamecontroller,
          decoration: InputDecoration(
            labelText: 'Enter Username',
            border: OutlineInputBorder(),
          ),
        ),
      ),
      Padding(
        padding: EdgeInsets.all(20),
        child: TextField(
          controller: passwordcontroller,
          obscureText: true,
          decoration: InputDecoration(
```

```

        labelText: 'Enter Password',
        border: OutlineInputBorder(),
    ),
),
),
ElevatedButton(
    child: Text('Login'),
    onPressed: () {
        String uname = usernamecontroller.text;
        String pword = passwordcontroller.text;
        if (uname == 'admin' && pword == '123') {
            ScaffoldMessenger.of(context).showSnackBar(
                SnackBar(content: Text('Login Successful')),
            );
        } else {
            ScaffoldMessenger.of(context).showSnackBar(
                SnackBar(content: Text('Invalid Credentials')),
            );
        }
    },
),
],
),
),
);
}
}

```

7. Flutter GestureDetector

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

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

class MyApp extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      home: Scaffold(
        appBar: AppBar(title: Text('GestureDetector Example')),
        body: Center(
          child: Column(
            mainAxisAlignment: MainAxisAlignment.min,
            children: [
              Text(
                'Reg no:U15IG22S0089',
                style: TextStyle(
                  fontSize: 18,
                  fontWeight: FontWeight.bold,
                  color: Colors.black87,
                ),
              ),
              SizedBox(height: 20),
              GestureDetector(
                onTap: () {
                  print("Container was tapped!");
                },
                onPanUpdate: (details) {
```

```
        print("Pan update Delta: ${details.delta.dx}");
    },
    onLongPress: () {
        print("Long Pressed!");
    },
    onDoubleTap: () {
        print("Double Tapped!");
    },
    onHorizontalDragUpdate: (details) {
        print("Horizontal dragged! Delta: ${details.delta.dx}");
    },
    child: Container(
      width: 100,
      height: 100,
      color: Colors.blue,
      child: Center(
        child: Text(
          'Click me',
          style: TextStyle(color: Colors.white),
        ),
      ),
    ),
  ],
),
),
),
debugShowCheckedModeBanner: false, );}}
```

