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Experiment No -02 **Exploring Common Widgets**

Aim - To design flutter UI using common widgets

Theory -

Container: The Container widget is a versatile widget that can contain other widgets and apply various styling options, such as padding, margin, color, border, and alignment. It's often used as a layout element to structure the UI.

Text: The Text widget is used to display textual content within the UI. It supports styling options like font size, font weight, color, alignment, and text decoration.

Row and Column: These are layout widgets used to arrange child widgets horizontally (Row) or vertically (Column). They allow you to create flexible layouts and organize widgets in rows or columns.

AppBar: The AppBar widget is a material design widget used to create a customizable app bar at the top of the screen. It typically contains actions, titles, icons, and other UI elements relevant to the current screen or application.

Scaffold: The Scaffold widget is a layout widget that provides a framework for implementing basic material design layouts and features, such as app bars, drawers, bottom navigation bars, floating action buttons, and more.

IconButton: These are button widgets used to trigger actions or navigate to different parts of the application. They provide various styles and configurations for buttons, including text buttons, raised buttons, icon buttons, and more.

TextField: The TextField widget is used to collect user input via text entry. It supports various input types, such as text, numbers, passwords, and more, and provides options for customization and validation.

Code and Output :

Main.dart

```
import 'package:flutter/material.dart';
import 'package:food/screen/login_page.dart';
import 'package:food/screen/newpage.dart';
import 'package:food/screen/page.dart';
void main(){
  runApp(Myapp());
}
class Myapp extends StatelessWidget {
```

@override

```
Widget build(BuildContext context) {
  return MaterialApp(
    debugShowCheckedModeBanner: false,
    title: 'Food Ordering App',
    theme: ThemeData(

      ),
    home: NewPage(),
  );
}
```

Newpage file

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

```
class NewPage extends StatelessWidget {
  @override
```

```

Widget build(BuildContext context) {
  return Scaffold(
    backgroundColor: Colors.black,
    appBar: AppBar(
      backgroundColor: Colors.black,
      leading: Row(
        children: [
          IconButton(
            icon: Icon(Icons.arrow_back, size: 30.0, color: Colors.white,), onPressed:
() {Navigator.pop(context);},
          ),
        ],
      ),
      title: Text('Sign Up', textAlign: TextAlign.center, style: TextStyle(color:
Colors.white,fontSize: 30)),
      centerTitle: true,

    ),
    body: Column(
      children: [
        buildTextField1(),
        buildTextField2(),
        buildTextField3(),
        buildTextField4(),

        Expanded(
          child: Align(
            alignment: Alignment.bottomCenter,
            child: GestureDetector(
              onTap: () {
                // Handle button tap
              },
              child: Container(

```

```

        height: 50,
        color: Colors.orange[900],
        child: Center(
          child: Text(
            'Sign Up',
            style: TextStyle(color: Colors.white, fontSize: 30),
          ),
        ),
      ),
    ),
  ],
),
);
}
}

```

```

Widget buildTextField1()=>TextField(
  style: TextStyle(color: Colors.white,fontSize: 30),
  keyboardType: TextInputType.emailAddress,
  decoration: InputDecoration(
    hintText: "Email",
    hintStyle: TextStyle(color: Colors.grey[800],fontSize:30,fontWeight:
FontWeight.w400),
    focusedBorder: UnderlineInputBorder(
      borderSide: BorderSide(color: Colors.white), // Color when the field is
focused
    ),
  )
);

```

```

Widget buildTextField2()=>TextField(

```

```

style: TextStyle(color: Colors.white,fontSize: 30),
keyboardType: TextInputType.text,
decoration: InputDecoration(
  hintText: "Name",
  hintStyle: TextStyle(color: Colors.grey[800],fontSize:30,fontWeight:
FontWeight.w400),
  focusedBorder: UnderlineInputBorder(
    borderSide: BorderSide(color: Colors.white), // Color when the field is
focused
  ),
)
);
Widget buildTextField3()=>TextField(
  style: TextStyle(color: Colors.white,fontSize: 30),
  keyboardType: TextInputType.phone,
  decoration: InputDecoration(
    hintText: "10 Digit Mobile Number",
    hintStyle: TextStyle(color: Colors.grey[800],fontSize:30,fontWeight:
FontWeight.w400),
    focusedBorder: UnderlineInputBorder(
      borderSide: BorderSide(color: Colors.white), // Color when the field is
focused
    ),
  )
);

```

```

Widget buildTextField4()=>TextField(
  style: TextStyle(color: Colors.white,fontSize: 30),
  keyboardType: TextInputType.text,
  obscureText:true,
  decoration: InputDecoration(
    hintText: "Password",
    hintStyle: TextStyle(color: Colors.grey[800],fontSize:30,fontWeight:
FontWeight.w400),
    focusedBorder: UnderlineInputBorder(

```

```
        borderSide: BorderSide(color: Colors.white), // Color when the field is
focused
    ),
)
);
```

Output :

