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Experiment No -04
Exploring Form Widgets

Aim - To create interactive forms using form widgets.
Theory -

Obscure Text -the obscureText property is often used in text input fields like TextFormField to obscure the entered text, typically for password fields or any other sensitive information.

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.

HintStyle - The style of the hint text displayed in form fields using the hintStyle property of the InputDecoration class. This property allows you to define the text style for the hint text, including its color, font size, font weight, and more.

TextInputType - This property is used to indicate to the system what type of input is expected from the user, and it adjusts the keyboard layout accordingly.

1.TextInputType.text: The default keyboard type for general text input.

2.TextInputType.number: A keyboard optimized for numeric input. It typically includes digits, a decimal point, and symbols for arithmetic operations.

3.TextInputType.phone: A keyboard optimized for entering phone numbers. It may include digits, plus sign, and symbols commonly used in phone numbers.

4.TextInputType.emailAddress: A keyboard optimized for entering email addresses. It includes characters commonly used in email addresses, such as "@" and ".".

Code and Output :

Main.dart

```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


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


class NewPage extends StatelessWidget {
 @override
```

```dart
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(
```

```dart
              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(
```

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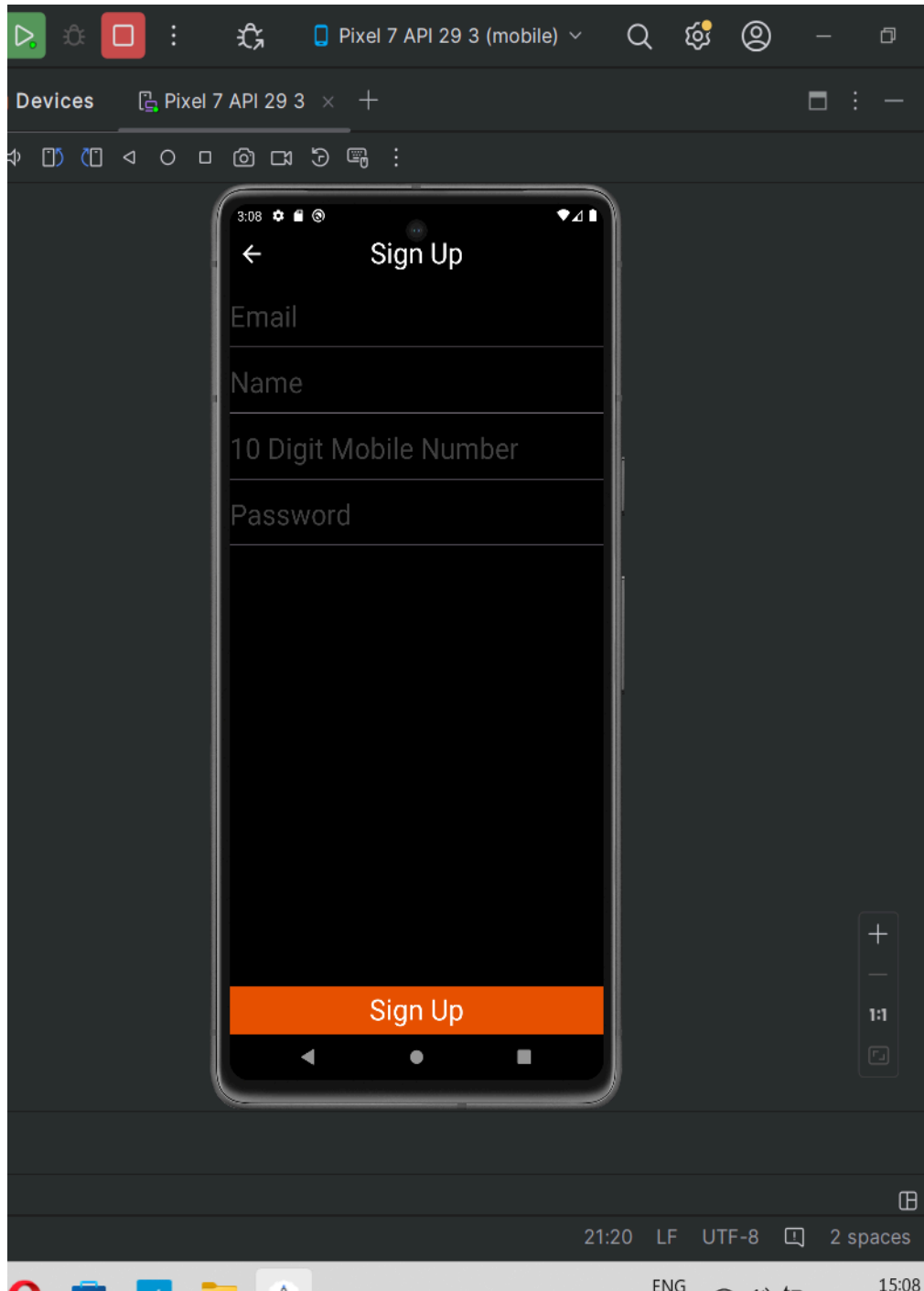
borderSide: BorderSide(color: Colors.white), // Color when the field is focused
      ),
)
);

Output :

Conclusion - I learnt about the form widgets and successfully implemented them.