Name:Harshit Sharma
Class:D15B
Roll No:51

MAD LAB-3

Aim: To include icons, images and fonts in App.

Code :

Sign Up Page:

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


void main() => runApp(BingBayApp());


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


class LoginPage extends StatelessWidget {
 final emailController = TextEditingController();
 final passwordController = TextEditingController();


 @override
 Widget build(BuildContext context) {
  return Scaffold(
    appBar: AppBar(title: Text('BingBay Login'), backgroundColor:
Colors.deepPurpleAccent),
    body: Padding(
     padding: EdgeInsets.all(16.0),
     child: Column(
```

```dart
        mainAxisAlignment: MainAxisAlignment.center,
        children: [
          _buildTextField(emailController, 'Email', Icons.email),
          SizedBox(height: 16),
          _buildTextField(passwordController, 'Password', Icons.lock, obscureText: true),
          SizedBox(height: 20),
          _buildButton(context, 'Login', () {
            if (emailController.text.isNotEmpty && passwordController.text.isNotEmpty) {
              Navigator.push(context, MaterialPageRoute(builder: (context) =>
JewelryHomePage()));
            }
          }),
          TextButton(
            onPressed: () => Navigator.push(context, MaterialPageRoute(builder: (context) =>
SignUpPage())),
            child: Text('Don't have an account? Sign Up'),
          ),
        ],
      ),
    ),
  );
 }
}


class SignUpPage extends StatelessWidget {
  final nameController = TextEditingController();
  final emailController = TextEditingController();
  final passwordController = TextEditingController();

  @override
  Widget build(BuildContext context) {
    return Scaffold(
```

```dart
      appBar: AppBar(title: Text('BingBay Sign Up'), backgroundColor:
Colors.deepPurpleAccent),
      body: Padding(
        padding: EdgeInsets.all(16.0),
        child: Column(
          mainAxisAlignment: MainAxisAlignment.center,
          children: [
            _buildTextField(nameController, 'Full Name', Icons.person),
            SizedBox(height: 16),
            _buildTextField(emailController, 'Email', Icons.email),
            SizedBox(height: 16),
            _buildTextField(passwordController, 'Password', Icons.lock, obscureText: true),
            SizedBox(height: 20),
            _buildButton(context, 'Sign Up', () {
              if (nameController.text.isNotEmpty && emailController.text.isNotEmpty &&
passwordController.text.isNotEmpty) {
                Navigator.pop(context);
              }
            }),
          ],
        ),
      ),
    );
  }
}


class JewelryHomePage extends StatelessWidget {
  final jewelryItems = [
    {'title': 'Elegant Necklace', 'image': 'assets/necklace.png'},
    {'title': 'Stunning Ring', 'image': 'assets/ring.png'},
    {'title': 'Stylish Bracelet', 'image': 'assets/bracelet.png'},
    {'title': 'Timeless Earrings', 'image': 'assets/earrings.png'},
  ];
```

```dart
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(title: Text('BingBay Collection'), backgroundColor:
Colors.deepPurpleAccent),
      body: GridView.builder(
        padding: EdgeInsets.all(10),
        gridDelegate: SliverGridDelegateWithFixedCrossAxisCount(crossAxisCount: 2,
mainAxisSpacing: 10, crossAxisSpacing: 10, childAspectRatio: 0.8),
        itemCount: jewelryItems.length,
        itemBuilder: (context, index) {
          return Card(
            shape: RoundedRectangleBorder(borderRadius: BorderRadius.circular(15)),
            elevation: 5,
            child: Column(
              children: [
                Expanded(child: Image.asset(jewelryItems[index]['image'] ?? '', fit: BoxFit.cover)),
                Padding(
                  padding: EdgeInsets.all(8.0),
                  child: Text(jewelryItems[index]['title'] ?? '', style: TextStyle(fontWeight:
FontWeight.bold, color: Colors.deepPurple)),
                ),
              ],
            ),
          );
        },
      ),
    );
  }
}


Widget _buildTextField(TextEditingController controller, String label, IconData icon, {bool
obscureText = false}) {
```

```dart
    return TextField(

      controller: controller,

      obscureText: obscureText,

      decoration: InputDecoration(labelText: label, border: OutlineInputBorder(), prefixIcon:
Icon(icon)),

    );

}


Widget _buildButton(BuildContext context, String text, VoidCallback onPressed) {

  return ElevatedButton(

    onPressed: onPressed,

    style: ElevatedButton.styleFrom(backgroundColor: Colors.deepPurpleAccent),

    child: Text(text),

  );

}
```

Output: