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Lab Task: 7magr

Hero Animation:

Image.dart:

```dart
import 'package:flutter/material.dart';
class ImgDisp extends StatelessWidget {
@override
Widget build(BuildContext context) {
return Scaffold(
appBar: AppBar(
title: Text("MYAPP"),
),
body: Column(
children: [
Hero(
tag: "thisToHero",
child: Image(
width: 200,
height: 150,
image: AssetImage("images/tree.jpg"),
),
),
Image(width: 200, height: 150, image:
AssetImage("images/tree.jpg")),
],
),
);
}
}
```

Account.dart:

```dart
import 'package:flutter/material.dart';
import 'package:flutter_application_1/Img.dart';
class CreateAccount extends StatefulWidget {
```

```dart
@override
_CreateAccountState createState() => _CreateAccountState();
}
class _CreateAccountState extends State<CreateAccount> {
TextEditingController _email = new TextEditingController();
TextEditingController _password = new TextEditingController();
@override
Widget build(BuildContext context) {
var size = MediaQuery.of(context).size;
String title = 'MYAPP';
String firstpage = "LogIn";
String secondpage = "SignUp";
return Scaffold(
appBar: AppBar(
centerTitle: true,
title: Center(child: Text(title)),
actions: [
PopupMenuButton(
itemBuilder: (context) => [
PopupMenuItem(
child: Text("Log In"),
value: firstpage,
),
PopupMenuItem(
child: Text("Sign Up"),
value: secondpage,
)
],
onSelected: (String value) {
setState(() {
title = value;
});
},
)
],
),
body: Column(
children: [
Container(
width: size.width / 2,
child: Padding(
padding: const EdgeInsets.all(30),
child: Hero(
tag: "thisToHero",
child: Image(
```

```dart
        image: AssetImage("images/tree.jpg"),
      ),
    ),
  )),
  loginTextBox("Email", _email, size, 20.0),
  loginTextBox("Password", _password, size, 20.0),
  GestureDetector(
    onTap: () {},
    child: IconButton(
      icon: Icon(
        Icons.login,
        size: 30.0,
      ),
      onPressed: () {
        Navigator.of(context)
            .push(MaterialPageRoute(builder: (_) => ImgDisp()));
      },
      splashColor: Colors.blueGrey,
    ),
  )
],
  ),
);
}
Widget loginTextBox(
    String hint, TextEditingController _controller, size, double _padding) {
  bool checked = false;
  if (hint == "Password") checked = true;
  return Padding(
    padding: EdgeInsets.all(_padding),
    child: Container(
      height: size.height / 14,
      width: size.width / 1.1,
      child: TextField(
        cursorColor: Colors.blueGrey,
        controller: _controller,
        obscureText: checked,
        decoration: InputDecoration(
          hintText: hint,
        ),
      ),
    ),
  );
}
}
```

Main.dart:

```dart
import 'package:flutter/material.dart';
import 'package:flutter_application_1/account.dart';
void main() {
runApp(MyApp());
}
class MyApp extends StatefulWidget {
@override
_MyAppState createState() => _MyAppState();
}
class _MyAppState extends State<MyApp> {
@override
Widget build(BuildContext context) {
return MaterialApp(
debugShowCheckedModeBanner: false,
theme: ThemeData(primarySwatch: Colors.blueGrey),
title: 'Malaika Bilal',
home: CreateAccount());
}
}
```