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Section SE5-2

SubJect: MAD

Quiz 01

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

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

class ProfileApp extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      title: 'Profile App',
      home: ProfileScreen(),
      debugShowCheckedModeBanner: false,
    );
  }
}

class ProfileScreen extends StatefulWidget {
  @override
  _ProfileScreenState createState() => _ProfileScreenState();
}

class _ProfileScreenState extends State<ProfileScreen> {
  final _controller = TextEditingController();
  String _errorText = "";
```

```
@override
Widget build(BuildContext context) {
  final orientation = MediaQuery.of(context).orientation;

  return Scaffold(
    appBar: AppBar(
      title: Text('Profile Screen'),
    ),
    body: SafeArea(
      child: Padding(
        padding: const EdgeInsets.all(16.0),
        child: Column(
          mainAxisAlignment: MainAxisAlignment.center,
          children: [

            // 1. Profile Picture
            CircleAvatar(
              radius: 40,
              child: Icon(Icons.person, size: 50),
            ),
            SizedBox(height: 16),

            // 2. RichText for name and email
            RichText(
```

```
        textAlign: TextAlign.center,
        text: TextSpan(
          style: TextStyle(color: Colors.black),
          children: [
            TextSpan(
              text: 'Umer Farooq\n',
              style: TextStyle(fontWeight: FontWeight.bold, fontSize: 18),
            ),
            TextSpan(
              text: 'Umer@gmail.com.com',
              style: TextStyle(fontSize: 14, color: Colors.grey[700]),
            ),
          ],
        ),
      ),
    ),
  ),
  SizedBox(height: 16),
```

// 3. Row with Buttons

```
      Row(
        mainAxisAlignment: MainAxisAlignment.center,
        children: [
          ElevatedButton(
            onPressed: () {},
            child: Text('Follow'),
          ),
        ],
      ),
```

```
        SizedBox(width: 16),  
        TextButton(  
          onPressed: () {},  
          child: Text('Message'),  
        ),  
      ],  
    ),  
    SizedBox(height: 16),
```

// 4. Container with background and padding

```
        Container(  
          width: double.infinity,  
          padding: EdgeInsets.all(12),  
          color: Colors.blue[50],  
          child: Text(  
            'Flutter enthusiast and mobile developer. Passionate about building  
            beautiful UIs.',  
            textAlign: TextAlign.center,  
          ),  
        ),  
    ),  
    SizedBox(height: 16),
```

// 5. TextField with validation

```
        TextField(  
          controller: _controller,  
          decoration: InputDecoration(  
            border: OutlineInputBorder(  
              borderSide: BorderSide(  
                color: Colors.grey[400],  
                width: 1.5,  
              ),  
            ),  
            focusedBorder: OutlineInputBorder(  
              borderSide: BorderSide(  
                color: Colors.teal[200],  
                width: 1.5,  
              ),  
            ),  
            contentPadding: EdgeInsets.all(10),  
          ),  
        ),  
      ),  
    ),  
  ),  
),
```

```

        labelText: 'Username',
        errorText: _errorText.isEmpty ? null : _errorText,
        border: OutlineInputBorder(),
      ),
    ),
    SizedBox(height: 8),
    ElevatedButton(
      onPressed: () {
        setState(() {
          if (_controller.text.trim().isEmpty) {
            _errorText = 'Username cannot be empty';
          } else {
            _errorText = "";
          }
        });
      },
      child: Text('Validate'),
    ),

    Spacer(),

    // 6. Orientation display
    Text(
      'Orientation: ${orientation == Orientation.portrait ? 'Portrait' :
        'Landscape'}',
      style: TextStyle(fontStyle: FontStyle.italic, color: Colors.grey[700]),

```

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);
}
}