

Sufyan Ahmed Mughal
55766 (5-2)

Mobile Application Development

Quiz 01

Main.dart:

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

import 'profileScreen.dart';

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

class ProfileApp extends StatefulWidget {
  const ProfileApp({super.key});

  @override
  State<ProfileApp> createState() => _ProfileAppState();
}

class _ProfileAppState extends State<ProfileApp> {
  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      home: ProfileScreen(),
    );
  }
}
```

profileScreen.dart:

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

class ProfileScreen extends StatefulWidget {
  const ProfileScreen({super.key});

  @override
  State<ProfileScreen> createState() => _ProfileScreenState();
}

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

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

    return Scaffold(
      appBar: AppBar(title: const Text("Profile Screen")),
      body: SafeArea(
        child: Padding(
          padding: const EdgeInsets.all(16.0),
          child: Column(
            children: [
              // Profile Picture
              const Icon(
                Icons.account_circle,
                size: 100,
                color: Colors.blueGrey,
              ),

              const SizedBox(height: 10),

              // RichText: Name + Email
              RichText(
                textAlign: TextAlign.center,
                text: const TextSpan(
                  style: TextStyle(color: Colors.black),
                  children: [
                    TextSpan(
                      text: "Sufyan Ahmed Mughal\n",
                      style: TextStyle(
```

```

        fontSize: 20,
        fontWeight: FontWeight.bold,
      ),
    ),
    TextSpan(
      text: "55766@students.riphah.edu.pk",
      style: TextStyle(fontSize: 14, color: Colors.grey),
    ),
  ],
),
),

const SizedBox(height: 15),

// Row with buttons
Row(
  mainAxisAlignment: MainAxisAlignment.center,
  children: [
    ElevatedButton(onPressed: () {}, child: const
Text("Edit")),
    const SizedBox(width: 10),
    TextButton(onPressed: () {}, child: const Text("Cancel")),
  ],
),

const SizedBox(height: 20),

// Container with background and padding
Container(
  padding: const EdgeInsets.all(12),
  color: Colors.blue[50],
  child: const Text(
    "Flutter developer passionate about mobile app design and
performance.",
    textAlign: TextAlign.center,
  ),
),

const SizedBox(height: 20),

// TextField for username
TextField(
  controller: _controller,

```

```

        decoration: InputDecoration(
          labelText: "Enter username",
          border: const OutlineInputBorder(),
          errorText: _errorText,
        ),
      ),

      const SizedBox(height: 10),

      ElevatedButton(
        onPressed: () {
          setState(() {
            _errorText = _controller.text.isEmpty
              ? "Username cannot be empty"
              : null;
          });
        },
        child: const Text("Validate"),
      ),

      const Spacer(),

      // Display orientation
      Text(
        "Orientation: ${orientation == Orientation.portrait ?
"Portrait" : "Landscape"}",
        style: const TextStyle(fontWeight: FontWeight.bold),
      ),
    ],
  ),
),
),
),
);
}
}

```

Output:

8.56



Profile Screen



Sufyan Ahmed Mughal

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Edit

Cancel



Twitter developer passionate about mobile app design and performance.

Enter username

|

Validate

Orientation: Portrait