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SUBJECT: MOBILE APPLICATION DEVELOPENT

QUIZ-1

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


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


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


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


class _ProfileScreenState extends State<ProfileScreen> {
  final TextEditingController _usernameController = TextEditingController();
```

```dart
String _validationMessage = '';


void _validateUsername() {
 setState(() {
  _validationMessage =
    _usernameController.text.trim().isEmpty ? 'USERNAME CANNOT BE EMPTY!' : '';
 });
}


@override
Widget build(BuildContext context) {
 var orientation = MediaQuery.of(context).orientation;
 String orientationText =
   orientation == Orientation.portrait ? 'Portrait' : 'Landscape';


 return Scaffold(
  appBar: AppBar(
   title: Text('PROFILE SCREEN'),
  ),
  backgroundColor: Colors.grey[200],  // Background color changed here
  body: SafeArea(
   child: Padding(
    padding: const EdgeInsets.all(16.0),
    child: Column(
     crossAxisAlignment: CrossAxisAlignment.start,
     children: [
      // Profile Icon
      Center(
       child: Icon(
```

```
      Icons.account_circle,

      size: 100,

      color: Colors.blueGrey,

     ),

    ),



    SizedBox(height: 16),



    // RichText: Name and Email

    Center(

     child: RichText(

      textAlign: TextAlign.center,

      text: TextSpan(

       children: [

        TextSpan(

         text: 'HAIDER NAWAZ\n',

         style: TextStyle(

          fontWeight: FontWeight.bold,

          fontSize: 20,

          color: Colors.black,

         ),

        ),

        TextSpan(

         text: '55330@students.riphah.edu.pk',

         style: TextStyle(

          fontSize: 14,

          color: Colors.grey[700],

         ),

        ),
```

```dart
        ],
      ),
    ),
  ),

  SizedBox(height: 16),

  // Row with buttons
  Row(
    mainAxisAlignment: MainAxisAlignment.center,
    children: [
      ElevatedButton(
        onPressed: () {
          ScaffoldMessenger.of(context).showSnackBar(
            SnackBar(content: Text('FOLLOWED!')),
          );
        },
        child: Text('FOLLOW'),
      ),
      SizedBox(width: 16),
      TextButton(
        onPressed: () {
          ScaffoldMessenger.of(context).showSnackBar(
            SnackBar(content: Text('MESSAGE SENT!')),
          );
        },
        child: Text('MESSAGE'),
      ),
    ],
```

```
        ),

        SizedBox(height: 20),

        // Container with description
        Container(
         width: double.infinity,
         padding: EdgeInsets.all(12),
         color: Colors.blue[50],
         child: Text(
          'A passionate Flutter developer who loves building beautiful mobile applications.',
           style: TextStyle(fontSize: 16),
         ),
        ),

        SizedBox(height: 20),

        // Username field with Validate button in a Row
        Row(
         children: [
          Expanded(
           child: TextField(
            controller: _usernameController,
            decoration: InputDecoration(
             labelText: 'E',
              border: OutlineInputBorder(),
            ),
           ),
          ),
```

```dart
          SizedBox(width: 8),

          ElevatedButton(

            onPressed: _validateUsername,

            child: Text('VALIDATE'),

          ),

        ],

      ),


      if (_validationMessage.isNotEmpty) ...[

        SizedBox(height: 8),

        Text(

          _validationMessage,

          style: TextStyle(color: Colors.red),

        ),

      ],


      Spacer(),


      // Orientation text

      Center(

        child: Text(

          'Current Orientation: $orientationText',

          style: TextStyle(fontStyle: FontStyle.italic, fontSize: 14),

        ),

      ),

    ],

  ),

 ),

),
```

```
  );
 }
}
```

HAIDER NAWAZ
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FOLLOW   MESSAGE

A passionate Flutter developer who loves building beautiful mobile applications.

E   VALIDATE

Current Orientation: Portrait