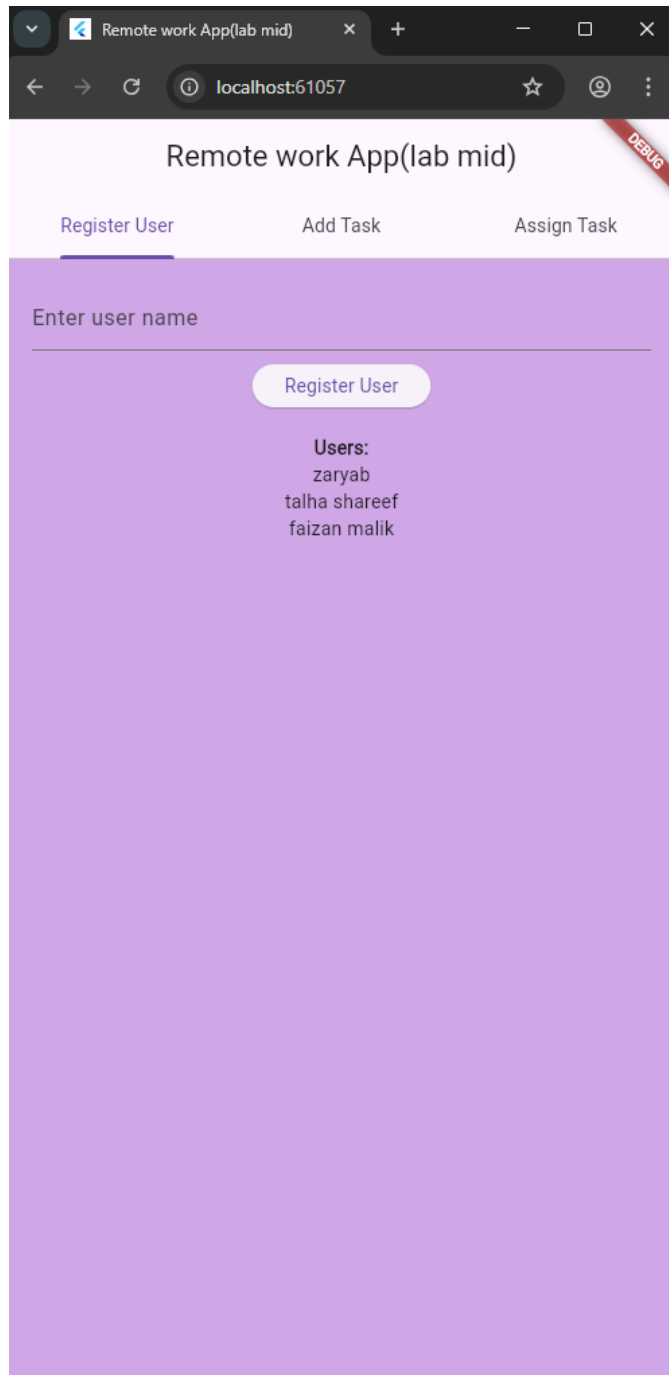
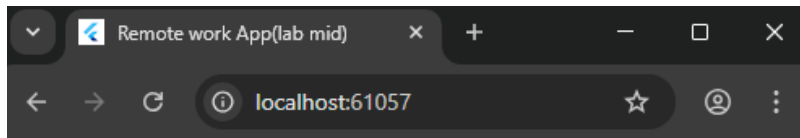


ZARYAB KHAN

FA23-BCS-031

Output





Remote work App(lab mid)

DEBUG

Register User

Add Task

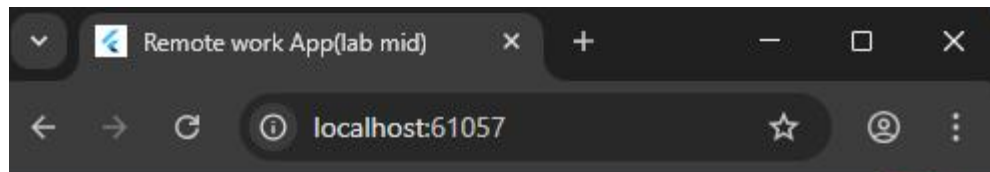
Assign Task

Enter task name

Add Task

Tasks:

clerk
driver
ceo



Remote work App(lab mid)

DEBUG

Register User

Add Task

Assign Task

faizan malik ▼

driver ▼

Assign Task

Assignments:

ceo assigned to zaryab

clerk assigned to talha shareef

driver assigned to faizan malik

CODE

```
main.dart M X  Extension: Dracula Theme Official
labr C:\Users\De\Documents\mobileAppDev\labmid\lib\main.dart • Modified
1 import 'package:flutter/material.dart';
2
3 Run | Debug | Profile
4 void main() {
5   runApp(LabMidApp());
6 }
7 class LabMidApp extends StatefulWidget {
8   @override
9   LabMidAppState createState() => _LabMidAppState();
10 }
11
12 class _LabMidAppState extends State<LabMidApp> {
13   final List<String> users = [];
14   final List<String> tasks = [];
15   String? selectedUser, selectedTask;
16   final TextEditingController userController = TextEditingController();
17   final TextEditingController taskController = TextEditingController();
18   final List<String> assignedTasks = [];
19
20   @override
21   Widget build(BuildContext context) {
22     return MaterialApp(
23       title: 'Remote work App(lab mid)',
24       home: DefaultTabController(
25         length: 3, // number of tabs
26         child: Scaffold(
27           appBar: AppBar(
28             title: Text('Remote work App(lab mid)'),
29             centerTitle: true,
30             bottom: TabBar(
31               tabs: [
32                 Tab(text: 'Register User'),
33                 Tab(text: 'Add Task'),
34                 Tab(text: 'Assign Task'),
35               ],
36             ), // TabBar
37           ), // AppBar
38           body: TabBarView(
39             children: [
40               // Tab 1 - Register User (Purple background)
41               Container(
42                 color: const Color.fromARGB(255, 207, 166, 230),
43                 padding: EdgeInsets.all(20),
44                 child: Column(
45                   children: [
46                     TextField(
47                       controller: userController,
```

```

main.dart M x Extension: Dracula Theme Official
labmid > lib > main.dart > LabMidAppState > build
12 class _LabMidAppState extends State<LabMidApp> {
21   Widget build(BuildContext context) {
40     TextField(
47       controller: userController,
48       decoration: InputDecoration(labelText: 'Enter user name'),
49     ), // TextField
50     SizedBox(height: 10),
51     ElevatedButton(
52       onPressed: () {
53         if (userController.text.isNotEmpty) {
54           setState(() {
55             users.add(userController.text);
56             userController.clear();
57           });
58         }
59       },
60       child: Text('Register User'),
61     ), // ElevatedButton
62     SizedBox(height: 20),
63     Text('Users:', style: TextStyle(fontWeight: FontWeight.bold)),
64     for (var u in users) Text(u),
65   ],
66 ), // Column
67 ), // Container
68
69 // Tab 2 - Add Task (Green background)
70 Container(
71   color: Colors.green[100],
72   padding: EdgeInsets.all(16),
73   child: Column(
74     children: [
75       TextField(
76         controller: taskController,
77         decoration: InputDecoration(labelText: 'Enter task name'),
78       ), // TextField
79       SizedBox(height: 10),
80       ElevatedButton(
81         onPressed: () {
82           if (taskController.text.isNotEmpty) {
83             setState(() {
84               tasks.add(taskController.text);
85               taskController.clear();
86             });
87           }
88         },
89         child: Text('Add Task'),
90       ), // ElevatedButton
91       SizedBox(height: 20),

```

```

main.dart M x  Extension: Dracula Theme Official
labmid > lib > main.dart > _LabMidAppState > build
12 class _LabMidAppState extends State<LabMidApp> {
21   Widget build(BuildContext context) {
92     Text('Tasks:', style: TextStyle(fontWeight: FontWeight.bold)),
93     for (var t in tasks) Text(t),
94   ],
95   ), // Column
96   ), // Container
97
98   // Tab 3 - Assign Task (Blue background)
99   Container(
100     color: Colors.blue[100],
101     padding: EdgeInsets.all(16),
102     child: Column(
103       children: [
104         DropdownButton<String>({
105           value: users.contains(selectedUser) ? selectedUser : null,
106           hint: Text('Select User'),
107           items: users
108             .map((u) => DropdownMenuItem(value: u, child: Text(u)))
109             .toList(),
110           onChanged: (val) {
111             setState(() {
112               selectedUser = val;
113             });
114           },
115         ), // DropdownButton
116         DropdownButton<String>({
117           value: tasks.contains(selectedTask) ? selectedTask : null,
118           hint: Text('Select Task'),
119           items: tasks
120             .map((t) => DropdownMenuItem(value: t, child: Text(t)))
121             .toList(),
122           onChanged: (val) {
123             setState(() {
124               selectedTask = val;
125             });
126           },
127         ), // DropdownButton
128         SizedBox(height: 10),
129         ElevatedButton(
130           onPressed: () {
131             if (selectedUser != null && selectedTask != null) {
132               setState(() {
133                 assignedTasks.add(
134                   '$selectedTask assigned to $selectedUser');
135               });
136             }
137           },
138           child: Text('Assign Task'),
139         ), // ElevatedButton
140         SizedBox(height: 20),
141         Text('Assignments:',
142           style: TextStyle(fontWeight: FontWeight.bold)), // Text
143         for (var a in assignedTasks) Text(a),
144       ],
145     ), // Column
146   ), // Container
147 ],
148 ), // TabBarView
149 ), // Scaffold
150 ), // DefaultTabController
151 ); // MaterialApp
152 }
153 }
154

```