# Bharatiya Vidya Bhavan's
## SARDAR PATEL INSTITUTE OF TECHNOLOGY
(Autonomous Institute Affiliated to University of Mumbai)
Munshi Nagar, Andheri (W), Mumbai – 400 058.
Department of Computer Science and Engineering

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| **Experiment** | Shining Star |
| **Aim** | To Debug the app |
| **Objective** | To Debug the app. |
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| **UCID** | 2024510001 |
| **Class** | FYMCA |
| **Batch** | A |
| **Date of Submission** | 13.05.2025 |

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| **Technology used** | **Flutter** |
| **Task** | **To solve the error and debug it.** |
| **Code with proper label** | **Given code :**<br>**main.dart**<br><br>import 'package:flutter/material.dart';<br><br>void main() {<br> runApp(MyApp());<br>}<br><br>class MyApp extends StatelessWidget {<br> @override<br> Widget build(BuildContext context) {<br>  return MaterialApp(<br>   title: 'Buggy Notes App',<br>   home: NotesScreen(),<br>  );<br> }<br>}<br><br>class NotesScreen extends StatefulWidget {<br> @override<br> _NotesScreenState createState() => _NotesScreenState();<br>}<br><br>class _NotesScreenState extends State<NotesScreen> {<br> List<String> notes = []; // TODO: Replace with NoteModel later<br><br> void addNote(String note) {<br>  notes.add(note); // BUG: This does not trigger UI update<br> }<br><br> @override<br> Widget build(BuildContext context) {<br>  return Scaffold(<br>   appBar: AppBar(title: Text("Notes")),<br>   body: ListView.builder(<br>    itemCount: notes.length,<br>    itemBuilder: (context, index) {<br>     return ListTile(title: Text(notes[index])); |

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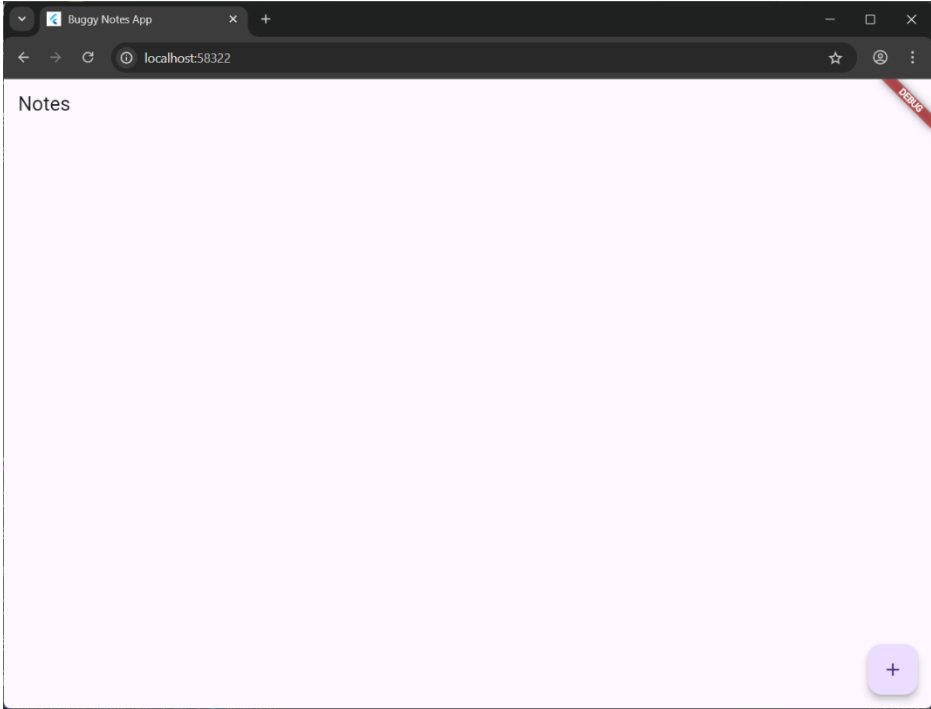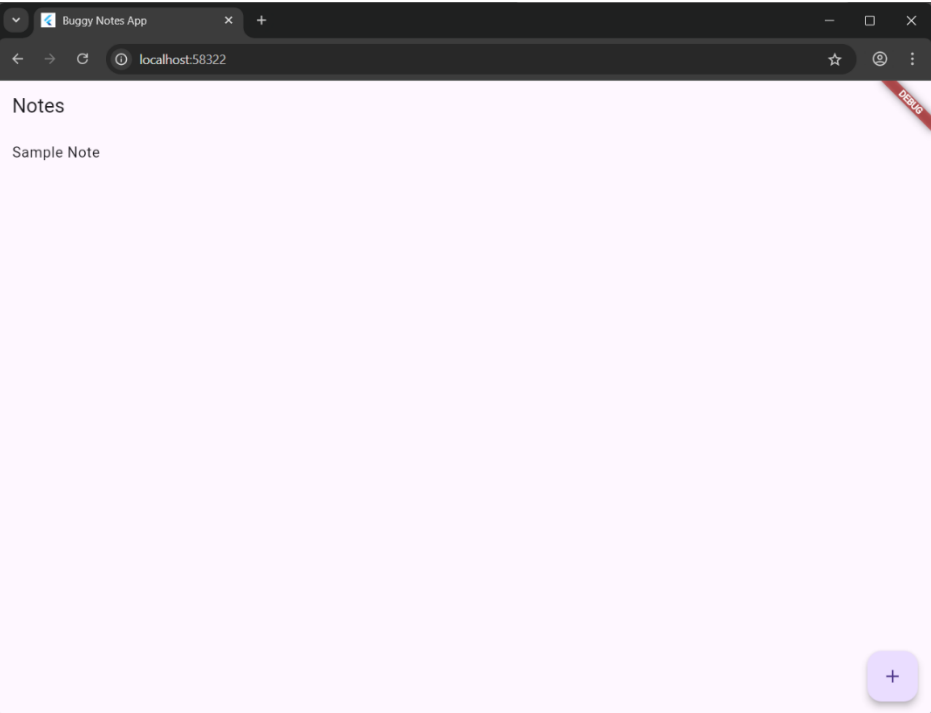Department of Computer Science and Engineering

```
      },
    ),
    floatingActionButton: FloatingActionButton(
      onPressed: () {
        addNote("Sample Note"); // TODO: Replace with note input dialog
      },
      child: Icon(Icons.add),
    ),
  );
  }
}
```

**Modified Code:**
**Main.dart**

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

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

class MyApp extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      title: 'Buggy Notes App',
      home: NotesScreen(),
    );
  }
}

class NotesScreen extends StatefulWidget {
  @override
  _NotesScreenState createState() => _NotesScreenState();
}

class _NotesScreenState extends State<NotesScreen> {
  List<String> notes = []; // TODO: Replace with NoteModel later

  void addNote(String note) {
    setState(() {
      notes.add(note);// BUG: This does not trigger UI update
    });
  }

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(title: Text("Notes")),
      body: ListView.builder(
        itemCount: notes.length,
        itemBuilder: (context, index) {
          return ListTile(title: Text(notes[index]));
        },
      ),
      floatingActionButton: FloatingActionButton(
        onPressed: () {
          addNote("Sample Note"); // TODO: Replace with note input dialog
```

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| | ```<br>        },<br>        child: Icon(Icons.add),<br>      ),<br>    );<br>  }<br>}<br>``` |
| **Screenshots** | Original Code:<br><br>After Updated code:<br> |

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| **Conclusion** | The State of the app was not updating and that was the bug, used setState() to solve the error. |