

**MPL EXPERIMENT : 4**  
**D15A-30**  
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**(an interactive page made named chat page )**

**Chat\_page UI:**

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

class ChatPage extends StatefulWidget {
  @override
  _ChatPageState createState() => _ChatPageState();
}

class _ChatPageState extends State<ChatPage> {
  final TextEditingController _messageController = TextEditingController();
  final List<String> _messages = []; // List to store chat messages

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(
        title: Text("Chat"),
        backgroundColor: Colors.teal,
      ),
      body: Column(
        children: [
          // Chat messages list
          Expanded(
            child: ListView.builder(
              itemCount: _messages.length,
              reverse: true, // Show the latest message at the bottom
              itemBuilder: (context, index) {
                final message = _messages[index];
                final isUserMessage = index % 2 == 0; // Simulate sender/receiver

                return Align(
                  alignment: isUserMessage
                    ? Alignment.centerRight
                    : Alignment.centerLeft,
                );
              },
            ),
          ),
        ],
      ),
    );
  }
}
```

```

child: Container(
  margin: EdgeInsets.symmetric(
    vertical: 5.0, horizontal: 10.0),
  padding: EdgeInsets.symmetric(
    vertical: 10.0, horizontal: 14.0),
  decoration: BoxDecoration(
    color: isUserMessage
      ? Colors.teal.withOpacity(0.2)
      : Colors.teal,
    borderRadius: BorderRadius.circular(8.0),
  ),
  child: Text(
    message,
    style: TextStyle(
      color: isUserMessage ? Colors.black : Colors.white,
    ),
  ),
),
);
},
),
),

```

// Input field and send button

```

Padding(
  padding: const EdgeInsets.all(8.0),
  child: Row(
    children: [
      Expanded(
        child: TextField(
          controller: _messageController,
          decoration: InputDecoration(
            hintText: "Type a message",
            border: OutlineInputBorder(
              borderRadius: BorderRadius.circular(8.0),
            ),
          ),
        ),
      ),
    ],
  ),
  SizedBox(width: 8.0),
  ElevatedButton(
    onPressed: () {
      final message = _messageController.text;
      if (message.isNotEmpty) {

```

```

        setState(() {
          _messages.insert(0, message); // Add new message
        });
        _messageController.clear(); // Clear input field
      }
    },
    style: ElevatedButton.styleFrom(
      backgroundColor: Colors.teal,
      padding: EdgeInsets.all(12.0),
    ),
    child: Icon(Icons.send, color: Colors.white),
  ),
  1,
),
),
1,
),
);
}
}

```

5:01



← Satish

← Chat



hello sir I am interested in buying your phone

Type a message

