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1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8" />
5   <meta name="viewport" content="width=device-width, initial-scale=1.0" />
6   <title>Real-Time Chat Application</title>
7 </head>
8   /* ===== Internal CSS ===== */
9 body {
10   font-family: Arial, sans-serif;
11   background: #f4f4f9;
12   display: flex;
13   justify-content: center;
14   align-items: center;
15   height: 100vh;
16 }
17
18 .chat-container {
19   width: 400px;
20   background: #fff;
21   border-radius: 10px;
22   box-shadow: 0 0 10px rgba(0,0,0,0.2);
23   display: flex;
24   flex-direction: column;
25   overflow: hidden;
26 }
27
28 .chat-header {
29   background: #4a90e2;
30   color: #fff;
31   text-align: center;
32   padding: 15px;
33   font-size: 20px;
34   font-weight: bold;
35 }
36
37 .chat-box {
38   flex: 1;
39   padding: 15px;
40   overflow-y: auto;
41   background: #eef1f5;
42 }
43
44 .message {
45   margin: 10px 0;
46   padding: 10px;
47   border-radius: 10px;
48   max-width: 70%;
49   word-wrap: break-word;
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49     word-wrap: break-word;
50 }
51
52 .user {
53     background: #4a90e2;
54     color: white;
55     align-self: flex-end;
56 }
57
58 .bot {
59     background: #e0e0e0;
60     color: #333;
61     align-self: flex-start;
62 }
63
64 .chat-input {
65     display: flex;
66     border-top: 1px solid #ccc;
67 }
68
69 .chat-input input {
70     flex: 1;
71     padding: 10px;
72     border: none;
73     outline: none;
74     font-size: 16px;
75 }
76
77 .chat-input button {
78     background: #4a90e2;
79     color: #fff;
80     border: none;
81     padding: 10px 20px;
82     cursor: pointer;
83     font-size: 16px;
84     transition: background 0.3s;
85 }
86
87 .chat-input button:hover {
88     background: #3578c6;
89 }
90 </style>
91 </head>
92 <body>
93     <div class="chat-container">
94         <div class="chat-header">Real-Time Chat</div>
95         <div class="chat-box" id="chat-box"></div>
```

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95 | <div class="chat-box" id="chat-box"></div>
96 |
97 | <div class="chat-input">
98 |   <input type="text" id="messageInput" placeholder="Type a message..." />
99 |   <button onclick="sendMessage()">Send</button>
100 | </div>
101 </div>
102
103 <script>
104   // ===== JavaScript (Simulated Real-Time) =====
105   const chatBox = document.getElementById('chat-box');
106   const messageInput = document.getElementById('messageInput');
107
108   function sendMessage() {
109     const messageText = messageInput.value.trim();
110     if (messageText === '') return;
111
112     // Display user message
113     appendMessage(messageText, 'user');
114     messageInput.value = '';
115
116     // Simulate bot response (fake real-time)
117     setTimeout(() => {
118       appendMessage('You said: ' + messageText, 'bot');
119     }, 800);
120   }
121
122   function appendMessage(text, sender) {
123     const messageDiv = document.createElement('div');
124     messageDiv.classList.add('message', sender);
125     messageDiv.textContent = text;
126     chatBox.appendChild(messageDiv);
127     chatBox.scrollTop = chatBox.scrollHeight;
128   }
129
130   // Send message on Enter key

```