DAY – 39 to 42

23 to 26 September 2025

- **To set the Frontend codes**

  ✓ **index.html**

```html
<head>
  <meta charset="UTF-8" />
  <meta name="viewport" content="width=device-width, initial-scale=1.0"/>
  <title>Chatbot Popup</title>
  <link rel="stylesheet" href="{{ url_for('static', filename='style.css') }}">
</head>
```

```html
<!-- Chat Popup -->
  <div class="chat-popup" id="chatPopup" role="dialog" aria-label="chatbot">
    <!-- Header -->
    <div class="chat-header">
      <span id="chatTitle">Help </span>
      <div class="chat-controls">
        <select id="langSelect" onchange="setChatLanguage()">
          <option value="english" selected>English</option>
          <option value="punjabi">ਪੰਜਾਬੀ</option>
        </select>
        <button class="close-btn" onclick="toggleChat()" title="Close">✖
</button>
      </div>
    </div>
```

```html
<!-- Floating Chat Button -->
  <button class="chat-btn" onclick="toggleChat()">⬜</button>
```

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✓ **style.css**

```css
/* Chat Popup */
.chat-popup {
  display: none;
  flex-direction: column;
  position: fixed;
  right: 30px;
  bottom: 80px;
  width: 340px;
  max-width: 90%;
  background: rgb(212, 208, 231);
  border-radius: 15px;
  box-shadow: 0 8px 16px rgba(0,0,0,0.2);
  overflow: hidden;
  font-size: 14px;
  z-index: 1000;
}
```

```css
/* Chat Body */
.chat-body {
  padding: 10px;
  background-color: #fff;
  display: flex;
  flex-direction: column;
  gap: 8px;
  max-height: 350px;
  overflow-y: auto;

  padding-bottom: 80px; /* ⬜ extra space above input box */
}
```

```css
/* Chat Options */
.chat-options {
  display: flex;
  flex-wrap: wrap;
  gap: 8px;
  margin-top: 10px;
}
.option-btn {
  background-color: white;
  color: #00897b;
```

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```css
  border: 1.5px solid #00897b;
  border-radius: 20px;
  padding: 6px 12px;
  font-size: 14px;
  cursor: pointer;
  transition: 0.3s;
}
.option-btn:hover { background-color: #00897b; color: white; }
```

```css
/* Responsive */
@media screen and (max-width: 480px) {
  .chat-popup { width: 90%; right: 5%; bottom: 70px; }
  .chat-message { max-width: 85%; font-size: 13px; padding: 8px 12px; }
  .chat-input input { font-size: 13px; }
  .option-btn { font-size: 13px; padding: 5px 10px; }
  .chat-btn { bottom: 15px; right: 15px; padding: 12px; font-size: 16px; }
}
```

✓ **script.js**

```javascript
// Toggle chat popup
function toggleChat() {
  const chatPopup = document.getElementById("chatPopup");
  chatPopup.style.display = chatPopup.style.display === "flex" ? "none" :
"flex";

  if (chatPopup.style.display === "flex") {
    setTimeout(() => document.getElementById("userInput").focus(), 100);
  }
}
```

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```javascript
function setChatLanguage() {
  const select = document.getElementById("langSelect");
  chatLanguage = select.value;

  const title = document.getElementById("chatTitle");
  if (title) title.textContent = chatLanguage === "english" ? "Help " :
"ਸਹਾਇਤਾ ";

  const input = document.getElementById("userInput");
  input.placeholder =
    chatLanguage === "english"
      ? "Type your message here..."
      : "ਇੱਥੇ ਆਪਣਾ ਸੁਨੇਹਾ ਲਿਖੋ...";

  const initialMsg = document.getElementById("initialBotMsg");
  if (initialMsg) {
    initialMsg.textContent =
      chatLanguage === "english"
        ? "Hey! How can I help you today?"
        : "ਹੈਲੋ! ਮੈਂ ਤੁਹਾਡੀ ਕਿਵੇਂ ਸਹਾਇਤਾ ਕਰ ਸਕਦਾ ਹਾਂ?";
  }
}
```

```javascript
const message = input.value.trim();
  if (!message) return;

  const chatBody = document.getElementById("chatBody");

  const userMsg = document.createElement("div");
  userMsg.className = "chat-message user";
  userMsg.textContent = message;
  chatBody.appendChild(userMsg);
  chatBody.scrollTo({ top: chatBody.scrollHeight, behavior: "smooth" });

  input.value = "";
  input.disabled = true;

  stopRequested = false;
  isStreaming = true;
  sendBtn.textContent = "■";

  const botMsg = document.createElement("div");
  botMsg.className = "chat-message bot";
  chatBody.appendChild(botMsg);
  chatBody.scrollTo({ top: chatBody.scrollHeight, behavior: "smooth" });
```

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```javascript
let dotCount = 0;
typingInterval = setInterval(() => {
  if (!isStreaming) return;
  dotCount = (dotCount + 1) % 4;
  botMsg.textContent = "typing" + ".".repeat(dotCount);
  chatBody.scrollTo({ top: chatBody.scrollHeight, behavior: "smooth" });
}, 400);
```

```javascript
document.addEventListener("DOMContentLoaded", () => {
  const input = document.getElementById("userInput");

  input.addEventListener("keydown", function (event) {
    if (event.key === "Enter") {
      event.preventDefault();
      if (isStreaming) stopRequested = true;
      else sendMessage();
    }
  });
});
```

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