DAY – 95

17 December 2025

Chatbot Popup – CSS (style.css)

1. Introduction of CSS File

This style.css file is used to define the **visual appearance and layout** of the chatbot popup interface.
CSS controls how the chatbot looks, feels, and behaves on different screen sizes.

It improves:

- User Interface (UI)
- User Experience (UX)
- Responsiveness
- Readability

This file is linked with the chatbot HTML file and works together with JavaScript for interaction.

2. Body Styling

```
body {
  font-family: Arial, sans-serif;
  background: #f0f1f0;
  margin: 0;
  padding: 0;
}
```

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Explanation:

- font-family: Arial, sans-serif;

  Sets a clean and readable font for the entire webpage.

- background: #f0f1f0;

  Light background color gives a professional look.

- margin: 0; padding: 0;
  Removes default browser spacing to maintain consistent layout.

3. Floating Chat Button Styling

.chat-btn {

 position: fixed;

 bottom: 20px;

 right: 30px;

Explanation:

- position: fixed;

  Keeps the chat button fixed on the screen even when scrolling.

- bottom and right

  Places the button at the bottom-right corner.

 background: linear-gradient(90deg, #4CAF50, #00897b);

 color: white;

- Gradient background improves visual appeal.
- White text ensures contrast and visibility.

 border-radius: 50%;

 font-size: 18px;

 padding: 15px;

- border-radius: 50% makes the button circular.

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- Padding and font size increase click area.

cursor: pointer;

box-shadow: 0 4px 8px rgba(0,0,0,0.2);

z-index: 1001;

transition: 0.3s;

}

- cursor: pointer indicates clickable element.
- box-shadow adds depth.
- z-index ensures button stays above other elements.
- transition allows smooth hover animation.

Hover Effect

.chat-btn:hover { transform: scale(1.1); }

- Button slightly enlarges on hover.
- Improves interactivity and user feedback.

4. Chat Popup Container

.chat-popup {

 display: none;

 flex-direction: column;

 position: fixed;

Explanation:

- display: none keeps chatbot hidden initially.
- flex-direction: column stacks elements vertically.
- position: fixed keeps popup at fixed position.

 right: 30px;

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```
bottom: 80px;
width: 340px;
max-width: 90%;
```

- Positions popup above chat button.
- max-width ensures mobile compatibility.

```
background: rgb(212, 208, 231);
border-radius: 15px;
```

- Light background color for chatbot window.
- Rounded corners for modern UI.

```
box-shadow: 0 8px 16px rgba(0,0,0,0.2);
overflow: hidden;
font-size: 14px;
z-index: 1000;
}
```

- Shadow gives popup elevation effect.
- overflow: hidden prevents content overflow.
- Ensures chatbot stays above most elements.

5. Chat Header Section

```
.chat-header {
 background: linear-gradient(90deg, #4CAF50, #00897b);
 color: white;
 padding: 10px;
```

Explanation:

- Gradient background highlights header.
- Padding improves spacing.

display: flex;

justify-content: space-between;

align-items: center;

- Flexbox aligns title and controls properly.
- space-between keeps elements at both ends.

font-weight: bold;

border-top-left-radius: 15px;

border-top-right-radius: 15px;

}

- Bold text improves visibility.
- Rounded top corners match popup shape.

6. Chat Control Buttons

.chat-controls {

  display: flex;

  gap: 8px;

}

- Aligns control buttons horizontally.
- Gap creates spacing between buttons.

.stop-btn, .close-btn {

  background: none;

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```
 border: none;
 color: white;
 font-size: 16px;
 cursor: pointer;
 transition: 0.2s;
}
```

- Removes default button styling.
- Makes icons clean and clickable.

Hover Effects

.stop-btn:hover { transform: scale(1.2); color: #ffeb3b; }
.close-btn:hover { transform: scale(1.2); color: #ff5252; }

- Enlarges icons on hover.
- Changes color for visual feedback.

7. Chat Body Section

.chat-body {
 padding: 10px;
 background-color: #fff;

Explanation:

- White background improves message readability.
- Padding adds space around messages.

 display: flex;
 flex-direction: column;
 gap: 8px;

- Messages appear vertically.

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- Gap separates messages.

max-height: 350px;

overflow-y: auto;

- Limits chat height.
- Enables scrolling for long conversations.

padding-bottom: 80px;

}

- Extra space prevents input box overlap.
- Ensures last message is visible.

8. Chat Message Styling

.chat-message {

  padding: 10px 14px;

  border-radius: 18px;

Explanation:

- Padding improves readability.
- Rounded message bubbles.

max-width: 77%;

word-wrap: break-word;

- Prevents long text overflow.
- Keeps messages compact.

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line-height: 1.5;

 margin-bottom: 6px;

}

- Proper spacing between lines.
- Improves readability.

9. Bot Message Style

.bot {

 background-color: #e0e0e0;

 align-self: flex-start;

 text-align: left;

 color: #000;

}

- Bot messages appear on left side.
- Light background differentiates from user messages.

10. User Message Style

.user {

 background-color: #4CAF50;

 color: white;

 align-self: flex-end;

 text-align: left;

}

- User messages appear on right side.
- Green background highlights user input.

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11. Chat Options Buttons

.chat-options {
 display: flex;
 flex-wrap: wrap;
 gap: 8px;
 margin-top: 10px;
}

- Allows multiple option buttons.
- Automatically wraps buttons.

.option-btn {
 background-color: white;
 color: #00897b;
 border: 1.5px solid #00897b;

- Clean outlined button design.

 border-radius: 20px;
 padding: 6px 12px;
 font-size: 14px;
 cursor: pointer;
 transition: 0.3s;
}

- Rounded pill-style buttons.
- Smooth hover animation.

.option-btn:hover { background-color: #00897b; color: white; }

- Button fills color on hover.

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12. Chat Input Section

```
.chat-input {
 display: flex;
 padding: 8px;
 background: linear-gradient(90deg, #4CAF50, #00897b);
}
```

- Aligns input and send button.
- Matches header theme.

```
.chat-input input {
 flex: 1;
 border: none;
 padding: 8px 12px;
 border-radius: 20px;
 outline: none;
}
```

- Input takes full available space.
- Rounded input field.

```
.chat-input button {
 background: none;
 border: none;
 color: white;
 font-size: 18px;
 margin-left: 8px;
 cursor: pointer;
 transition: 0.3s;
}
```

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- Send button styled as icon.
- Smooth hover effect.

.chat-input button:hover { transform: scale(1.1); }

- Enlarges button slightly on hover.

13. Scrollbar Styling

.chat-body::-webkit-scrollbar { width: 6px; }
.chat-body::-webkit-scrollbar-thumb {
 background-color: #b0b0b0;
 border-radius: 3px;
}
.chat-body::-webkit-scrollbar-track {
 background: #f1f1f1;
}

- Custom scrollbar improves UI.
- Makes scrolling smoother and cleaner.

14. Responsive Design (Mobile View)

@media screen and (max-width: 480px) {

Explanation:

- Applies styles only on small screens.

.chat-popup { width: 90%; right: 5%; bottom: 70px; }

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- Popup adjusts to mobile screen width.

```
.chat-message {
 max-width: 85%;
 font-size: 13px;
 padding: 8px 12px;
}
```

- Smaller message bubbles for mobile.

```
.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;
}
}
```

- Optimizes text and button size for mobile users.

15. Conclusion

This CSS file provides a **modern, responsive, and user-friendly design** for the chatbot popup.
It ensures:

- Clean UI
- Smooth interaction

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- Mobile compatibility
- Professional appearance

This styling plays a crucial role in enhancing the chatbot's usability and overall user experience.

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