

Amir Rahim Aptitude Test Presentation

Phone Plan Chatbot

Design Choices

- The Goal of this chatbot is to help choose the best phone plan quickly.
- The conversation flow goes as such:
 - Family or Individual Account
 - Postpaid or Prepaid Account
 - Data Usage: High/Medium/Low
- The reason I chose designed it this way:
 - It's a simple and seamless process
 - It covers all 12 possible outcomes
 - It deals with the 2 errors possible which is if there is a typo or if someone leaves the answer blank.

Technical Implementation

I built a chat bot using HTML, CSS, and JavaScript.

HTML:

Built a simple and clean interface including the display area, input box, and send button.

CSS:

I used this to design the chat bubbles for the bot and user messages. Adding a scrollable chat area, and minimal designing like round edges and spacing for better readability.

JavaScript:

I used Java to control the step by step flow and saves the answer when you type it in the chat. It handles any errors that the user types by checking and responding with a correction option. It also handles the pressing "enter" or clicking "send" in the chat bot.

Challenges Faced

- The main challenges I faced were handling the invalid user inputs and Handling multiple conversation paths without duplicating.
- It wasn't that difficult of a challenge, I figured it out pretty quick. It has just been a while since I coded so I needed to refresh my memory.

How I would Improve the Chatbot with More Time

- I would improve the chat bot with more time by implementing AI into the chat so it will handle all the error handling. For example if a user was to type in "Familt" instead of "Family" it will recognize what they meant and move forward with it.
- I will also focus more on designing the chat bot making it look more appealing and engaging, by adding better layouts and more engaging layout.
- I can improve it as well by adding more interactive features such as buttons and drop downs to compare and contrast before selecting something.
- Lastly I will improve it by making it restart at the end when you are done to start over instead of refreshing or rerunning the code.