Agrina

Project Setup [#ProjectSetup]

- Create a new project folder
- Initialize version control system

Database Connection [#DatabaseConnection]

- Create a new PHP file (db_config.php)
  - Include details for connecting to the database
- Include db_config.php in main file

Session Management [#SessionManagement]

- Start a session

User Message Handling [#UserMessage]

- Retrieve user's message from the POST request
- Call the processMessage() function
  - Pass the user's message and the database connection ($conn) as parameters

Response Handling [#ResponseHandling]

- Echo the response generated from the processMessage() function back to the client

processMessage() Function [#ProcessMessageFunction]

- Get current hour of the day using date('G')
- Check user's message against a list of greetings
  - Generate suitable response based on time of day and greeting
- Retrieve FAQs from database using getFAQsFromDatabase() function
  - Loop through each FAQ and check against user's message
    - If user's message contains the question from the FAQ, return corresponding answer
- Handle order cancellation
  - If user's message contains "cancel order", extract and store order ID in session
  - Process order cancellation based on user's response
- Handle order tracking

- If user's message contains "track order", extract tracking number and use to retrieve order information from database
- Handle product display request
  - If user's message contains phrases like "show me products", retrieve all available products from database and format into a response
- Handle purchase option
  - If user's message contains phrases like "buy" or "purchase", extract product name and add to session cart
- Handle quantity input
  - If user's message contains a quantity, extract and add to session cart
- Handle additional purchase
  - If user confirms wanting to buy more products, continue the conversation
- Handle checkout
  - If user confirms not wanting to buy more products, generate an invoice and provide checkout link
- Handle feedback
  - If user says phrases like "bye", "Bye", "BYE", "seeyou soon", or "Seeyou Soon", initiate a feedback section where user can rate their experience with the chatbot

Additional Functions [#AdditionalFunctions]

- getOrderInfo() function: Retrieves order information from the database based on tracking number
- getAllProducts() function: Retrieves all available products from the database
- getFAQsFromDatabase() function: Retrieves FAQs from the database
- extractOrderId() function: Extracts the order ID from the user's message for order cancellation
- extractProductName() function: Extracts the product name and price from the user's message
- calculateTotalAmount() function: Calculates the total amount for the products in the session cart

JavaScript Function [#JavaScriptFunction]

- Create a JavaScript function submitFeedback()
  - Function should handle the submission of feedback to the server asynchronously using AJAX

Completion