**Test Cases for testing the functionality of the OPT Chatbot**

1. **Test Case: Greeting Message**
   * Input: User opens the chat interface.
   * Expected Output: The chatbot greets the user with a welcome message.

A screenshot of a chatbot

Description automatically generated

1. **Test Case: Asking F1OPT Eligibility**
   * Input: User asks, " How do I know if I am eligible of F1 OPT?"
   * Expected Output: The chatbot responds with information about F1OPT eligibility criteria.

A screenshot of a chatbot

Description automatically generated

1. **Test Case: Retrieval of Information**
   * Input: User asks a question related to F1OPT regulations.
   * Expected Output: The chatbot retrieves relevant information from the preprocessed documents and provides an accurate response.

A screenshot of a computer

Description automatically generated

1. **Test Case: Contextual Understanding**
   * Input: User asks a follow-up question based on the previous conversation.
   * Expected Output: The chatbot maintains contextual understanding and provides a coherent response based on the conversation history.

A screenshot of a computer

Description automatically generated

1. **Test Case: Handling Unknown Queries**
   * Input: User asks a question that is not related to F1OPT.
   * Expected Output: The chatbot gracefully handles the unknown query and responds appropriately, such as by providing guidance or redirecting the user to relevant resources.

**A screenshot of a computer

Description automatically generated**

1. **Test Case: Performance Testing**
   * Input: User interacts with the chatbot with a large number of queries.
   * Expected Output: The chatbot maintains responsiveness and performance even under heavy load, providing timely and accurate responses to user queries.

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated