**Script for 5-Minute Walk-Through Video**

**Introduction (30 seconds)**

* **Greeting:**
  + "Hello, I'm Qingyu. I am showing my project, a family communication chatbot, and I will demonstrate the key features and comment on my design choices throughout the video.
* **Brief Overview:**
  + This chatbot is an artificial family communication advisor I developed over the past semester, incorporating advanced AI, coding concepts, and additional files like up-to-date family laws and YouTube transcript analysis to offer insights and methodologies for resolving conflicts and balancing expectations within families.

**First, let me Demonstrate the Prototype! (3 minutes)**

* **Launching the Chatbot:**
  + "Let's start by launching the chatbot. As you can see, the interface is at the right bottom, designed for ease and convenience.
* **Basic Interactions:**
  + "First, let’s explore some basic interactions. When greeted, the chatbot responds with a friendly message. These simple exchanges demonstrate its ability to handle day-to-day communication."
* **Tailored Family Inquiries:**
  + "Now, let’s dive into more complex inquiries. If I ask a question about family conflict resolution, I notice how the chatbot processes the information. Sadly, it does not work at all, it says, “…" This outcome is probably due to the lack of processing my files of the latest family laws and YouTube transcript analysis.
* **Advanced Features:**
  + "One of the key features is its ability to understand and process complex queries, and let’s test it! … It says, “…” The issue might result from the poor processing of the NLP and AI libraries I incorporated."

**Let’s move on to the Design Choices! (1 minute and 15 seconds)**

* **Libraries:**
  + "I chose to use NLP and transformer libraries because they enhance the chatbot's understanding of natural language, aiming to make it more interactive and responsive."
* **Incorporating AI Techniques:**
  + "Integrating AI, particularly the OpenAI models, was crucial. I was planning to allow the chatbot not just to respond but also learn and adapt, providing more relevant advice over time."
* **Interface Design:**
  + "For the interface, simplicity was key. I wanted users to focus on the conversation, so I opted for a minimalistic design." And here it is!

**Then, let’s explore my Challenges and Learning Experience (45 seconds)**

* **Discuss Challenges:**
  + "Developing this chatbot is full of challenges. For instance, ensuring compatibility and scalability with the libraries of the Open AI model and Replit libraries required extensive testing and debugging, I spent over two weeks debugging and testing the system, but it is still unable to work.
* **Reflect on Learning:**
  + "This project cannot actually be put into practice, but the process was a fruitful learning journey, enhancing my understanding and practice in coding, AI integration, and problem-solving.”

**Conclusion (15 seconds)**

* **Wrap-Up:**
  + "In summary, this chatbot is a reflection of my current data and code literacy, showcasing how many practical and theoretical skills and capacities I developed throughout the whole semester.
* **Closing Remarks:**
  + "Thank you for watching this presentation. I look forward to further refining this project and exploring new possibilities in AI-driven communication."