**Technical Assessment: Chatbot - Marketplace Support Expert System**

**Objective:**

The aim of this technical assessment is to check your skills in creating a chatbot that acts as an expert system for providing support in a marketplace. This assessment will focus on how well you can design, develop, and explain a chatbot that can handle user questions, give accurate information, and make interactions smooth within a marketplace setting.

**Tasks:**

*Functional Requirements:*

• Design a chatbot that can understand user questions about the marketplace, including general support and frequently asked questions (FAQs).

• Create conversation paths to help users effectively in different support situations.

• Use natural language processing (NLP) to correctly understand and interpret user messages.

• Give appropriate responses to user questions, offering relevant information and instructions.

*Technical Implementation:*

• Choose a suitable platform or framework for building the chatbot (Node.js or Python).

• Create the necessary intents, entities, and dialogues to support different user interactions.

• Develop the backend logic to handle user requests, such as retrieving and processing data.

• Set up error handling to deal with unexpected user inputs and system failures gracefully.

• Ensure the chatbot's performance and scalability can handle multiple user interactions efficiently.

*Deliverables:*

• A fully working prototype of the chatbot capable of handling marketplace support queries.

• Documentation covering design specifications, technical architecture, implementation details, and deployment instructions.

• Upload the project to Github, making the repository public, and share the link with us.

*Evaluation Criteria:*

• Functionality

• Documentation

**Note:**

Feel free to ask questions or seek clarification on any part of the assessment before you start. You'll be assessed on your problem-solving approach, technical skills, attention to detail, and ability to deliver a working solution within the given requirements.

**Good luck!**