

Overview:

This report provides instructions on how to set up and interact with a chatbot application developed using Django and spaCy. The chatbot is capable of handling various user intents, including weather inquiries, FAQs, greetings, and chit-chat.

To run this chatbot application, you need the following libraries:

Django: A high-level Python web framework that encourages rapid development and clean, pragmatic design.

Installation: pip install django

spaCy: An open-source library for advanced Natural Language Processing in Python.

Installation: pip install spacy

Views and logic:

chatbot_logic.py: Contains the logic for intent extraction and response generation.

views.py: Handles rendering the HTML and processing user input.

urls.py: Manages URL routing for the app.

Interacting with Chatbot

Initiate a conversation: Type a message in the input box and click the "Send" button or press Enter.

Weather: Type a question like "What's the weather in Paris?".

FAQs: Ask about services or password resets, like "How do I reset my password?".

Greetings: Say "Hi" or "Hello" to receive a friendly greeting.

Chit-chat: Engage in small talk with phrases like "How are you?".

Receive Responses: The chatbot will provide responses based on your input.

For further enhancements, we can consider adding more intents, improving response variability, or integrating additional NLP techniques.