# ****FAQ Chatbot with FLAN-T5****

This project implements an interactive FAQ chatbot using the **Google FLAN-T5** model for generating accurate and context-aware answers to frequently asked questions. It uses the **transformers** library from Hugging Face, along with **ipywidgets** for a seamless user interface, making the experience both engaging and easy to use.

### ****Features****

* **Interactive Chatbot**: Users can input their FAQ questions and receive generated answers in real-time.
* **FLAN-T5 Model**: Utilizes the powerful and publicly available google/flan-t5-large model for text generation without needing authentication.
* **Simple UI**: Built using ipywidgets, providing a user-friendly interface for asking questions and receiving responses.
* **No API Key Required**: Completely free to use with no need for an API key or authentication.

### ****Technologies Used****

* **Python**
* **Transformers** (Hugging Face)
* **ipywidgets**
* **Google Colab** (for easy execution in the cloud)

!pip install transformers ipywidget

### ****Usage****

1. Open the project in a Jupyter notebook or Google Colab.
2. Run the code to load the FAQ chatbot model.
3. Type your FAQ question in the input box and click **Ask** to receive a response.

### ****Example:****

* **User:** "What is the return policy?"
* **Bot:** "The return policy allows you to return items within 30 days of purchase with the original receipt."

### ****Code Example****

You can find the code for this FAQ chatbot in this [Google Colab notebook](https://github.com/MaddyCodes12/CodeAlpha_tasks/blob/main/FAQ Chatbot/Chatbot_for_simple_FAQ's.ipynb" \t "_new).

### ****Contributing****

Feel free to fork the project and submit issues or pull requests. Contributions are welcome!