

## **Project Overview:**

This is a Flask-based web application that provides an AI chatbot interface. Users can sign up, log in, and interact with the chatbot. The backend connects to an AI model to generate responses in real time. The project is intended as a lightweight personal AI assistant accessible via a web browser.

## **Technologies Used:**

- **Backend:** Python (Flask)
- **Frontend:** HTML, CSS
- **Database:** MYSQL
- **AI Integration:** Custom logic via core\_ai.py and quartica.py
- **Authentication:** Basic login/signup system
- **Others:** requirements.txt for dependency management

## **Functionality Workflow:**

1. **User visits the site** and is prompted to sign in or sign up.
2. **After authentication**, user is redirected to the chat interface.
3. **User sends messages**, which are handled by Flask routes and passed to the chatbot logic.
4. **AI generates a response** using custom Python logic (likely huggingface transformers-based).
5. **The response is rendered on the page**, and user continues the conversation.

## **Work Flow:**

