Project Documentation

Introduction

Project title: Health AI: Intelligent Healthcare Assistant

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Project overview

Cura Synth – AI Health Assistant

**An AI-powered healthcare helper using Gradio and IBM Granite.
For informational purposes only – not a real medical tool.**

Features

- ☐ **Health Chat** – Ask general health questions
- ☐ **Disease Prediction** – Get possible conditions from symptoms
- ☐ **Treatment Plan** – Basic treatment suggestions based on inputs
- ☐ **Health Analytics** – Analyze vital signs and get advice

To Run

1. **Install Python** (3.8 or higher)
2. **Install dependencies:**

pip install gradio torch transformers

3. **Run the app:**

python app.py

How It Works

- Uses the **IBM Granite 3.2B Instruct** model from Hugging Face.
- Sends your input (symptoms, condition, etc.) as a **prompt** to the AI.
- The AI generates a **text response** with suggestions or insights.

Tabs in the App

Tab	What You Do	What You Get
Patient Chat	Ask any health question	AI gives an informative answer
Disease Prediction	Enter symptoms	AI suggests possible conditions
Treatment Plans	Enter age, gender, condition	AI gives treatment suggestions
Health Analytics	Input vitals (HR, BP, etc.)	AI provides health insights

⚠ Disclaimer

This app does **not** provide real medical advice.
Always consult a **licensed healthcare professional** for diagnosis and treatment.

✅Example Use

- "What are the symptoms of flu?"
- "I have fever and cough. What could it be?"
- "Treatment plan for diabetes, male, 45 years old"