Team ID : NM2025TMID04789

Team Size : 4

Team Leader : SARANYA P

Team member : SIVAPAKKIYALAKSHMI R

Team member : ABINAYA V

Team member : TAMILARASI M

1. Introduction

- Introduces the **project title** (EduTutor AI).

- Lists **team members** again.

- Gives a short one-liner about what the project is (AI-powered personalized learning tool).

2. Project Overview

- **Purpose** 'n Why the project was built (personalized education using IBM Granite AI).

- **Features** 'n List of what it can do (concept explainers, quiz generator, simple UI with Gradio, runs in Google Colab, deployable to GitHub, etc.).

4. Setup Instructions

- Step-by-step guide to run the project:
  - Install dependencies (`transformers`, `torch`, `gradio`).
  - Get IBM Granite model from Hugging Face.
  - Run notebook in Colab.
  - Deploy code to GitHub.

5. Folder Structure

- Explains what files are included (example):
  - `app.py` 'n main code file.
  - `requirements.txt` 'n dependencies.
  - `README.md` 'n project description.
  - Any notebooks or helper scripts.

6. Running the Application

- Explains how to start the app in Colab.

- Mentions that Gradio link will open in a new tab.

- Example: Click the URL after running cells to see the AI tutor working.

7. API Documentation

- Basic explanation of what the app provides:

  ○ `/generate-quiz` 'n create quizzes.

  ○ `/explain-concept` 'n explain topics.

  ○ (Your app is simple, so this section will be shorter than the sample one).

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8. Authentication

- If needed: mention API keys (Hugging Face / IBM Watsonx).

- In your project, authentication is minimal 'n mostly Hugging Face/Colab integration.

9. User Interface

- Description of the **Gradio UI**:

  - Textbox for input (ask questions, get explanations).

  - Buttons to generate quizzes.

  - Simple, user-friendly layout.

10. Testing

- Explains how you tested it:

    ° Ran in Colab.

    ° Verified quiz generation.

    ° Checked explanation accuracy.

11. Screenshots

- Placeholder for images of your running app.

- You can paste Colab/Gradio screenshots here.

12. Known Issues

- Example:

  ° Sometimes slow due to free Colab GPU.

  ° Limited storage.

  ° Needs internet for Hugging Face model.

13. Future Enhancements

- Ideas to improve:

  ° Add voice support.

  ° Better UI (maybe Streamlit).

  ° Add more IBM Granite models for advanced tasks.