**Iron Lady Internship Technical Tasks**

**Project Overview**

1. **Chatbot for Iron Lady Leadership Programs**
   * A simple, local chatbot script implemented in Python.
   * Provides answers based on predefined FAQs about Iron Lady leadership programs.
   * Runs and interacts in the terminal without using any external APIs.
2. **To-Do Manager Web Application**
   * A Flask-based web application supporting full CRUD operations (Create, Read, Update, Delete) on tasks.
   * Features an intuitive web interface with HTML, CSS, and JavaScript.
   * Allows users to add, update, mark as done, and delete tasks.
   * All data is stored in memory during runtime (no external database or API).

# **Built With**

* Python 3.x
* Flask (Web framework)
* HTML5, JavaScript for frontend
* No external APIs or databases used

# **Getting Started**

**Prerequisites**

* Python 3 installed on your system
* Python package: flask
* **Install Flask:**

**>> “pip install flask**”

**Installation & Running**

1. Clone or download the project to your local machine.
2. Open terminal and navigate to project directory.
3. Run the chatbot script (if included):

**>> python chatbot.py**

* Interact with chatbot in terminal.

1. Run the To-Do Manager web app:

**>> python app.py**

1. Open your web browser and visit:

**http://127.0.0.1:5000/**

1. Use the web interface to manage tasks.

**Features Implemented**

**Chatbot**

* Provides pre-programmed answers about Iron Lady programs.
* Runs fully offline in terminal.
* Simple interactive Q&A.

**To-Do Manager**

* Full CRUD operations via REST API endpoints.
* User-friendly web interface supporting:
  + Adding new tasks.
  + Updating task text.
  + Marking tasks as done via checkbox.
  + Deleting tasks.
* Displays task ID and total tasks count.
* No external API or database; data persists only during runtime.

**Folder Structure**

/project-folder

|-- app.py # Flask backend with To-Do Manager app

|-- chatbot.py # Local chatbot script (no API)

|-- /templates

|-- index.html # To-Do app frontend

|-- README.md # Project documentation

**Usage**

* Chatbot runs in terminal; type queries and get relevant answers.
* To-Do Manager accessed via browser UI at http://127.0.0.1:5000/.