

MediMate - Medicine Tracker Web App

Project Overview

MediMate is a simple web-based application that allows users to:

- Track medicines available at home.
- Monitor their expiry dates.
- Search medicines by name or usage.
- Upload and manage medicine information easily.
- Extendable to include image upload and AI-powered medicine recognition.

Features

- Add new medicines with name, usage, expiry date, quantity, and notes.
- View all medicines ordered by expiry date.
- Search for medicines by name or usage.
- View medicines expiring within a given number of days.
- Delete expired or unused medicines.
- Planned Feature: Upload a picture of a medicine to identify its name and usage using ML.

Tech Stack

Frontend : HTML, CSS (Extendable to use Bootstrap or React)

Backend : Python Flask

Database : SQLite3

Image Upload (Future): OpenCV, PIL, or any OCR/ML model

Deployment (Future) : Render / Railway / Heroku

Project Structure

MediMate/

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|-- app.py # Main Flask application

|-- medicine_db.py # Handles database operations

|-- templates/

| |-- home.html # Home page template (shows all medicines)

| \-- add.html # Form to add a new medicine

|-- static/

| \-- style.css # Optional CSS styling

|-- medications.db # SQLite database

\-- README.md # Project documentation

Installation & Setup

1. Clone the repository

```
git clone https://github.com/yourusername/medimate.git
```

```
cd medimate
```

2. Install dependencies

Ensure Python 3.x is installed.

```
pip install flask
```

3. Run the Flask app

```
python app.py
```

Navigate to <http://localhost:5000> in your browser.