Court-Data Fetcher & Mini-Dashboard

Objective

A lightweight web application that lets users search Indian court case details (like parties involved, filing date, next hearing date, and download the latest order/judgment) by entering:

Case Type

Case Number

Filing Year

The app uses a backend scraper (e.g., Playwright or Requests+BeautifulSoup) to fetch data from the Delhi High Court portal or an eCourts website and stores logs in a SQLite database.

Features

- Input form to search for court cases
- Displays key case details
- Download link to latest order/judgment PDF
- Raw HTML stored in SQLite for debugging or audit
- Simple UI using Bootstrap

Tech Stack

Layer Tool

Backend Python, Flask

Web Scraping Playwright (or Requests + BeautifulSoup)

Frontend HTML, Bootstrap

Database SQLite

How to Run

1. Clone the repository

git clone https://github.com/your-username/court-data-fetcher.git

cd court-data-fetcher

2. Set up virtual environment

python -m venv venv

On Windows:

venv\Scripts\activate

3. Install dependencies

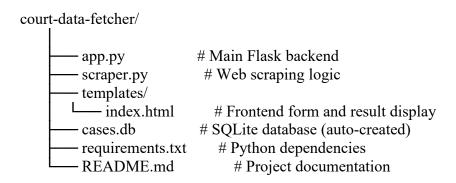
pip install -r requirements.txt

4. Run the app

python app.py

Visit http://127.0.0.1:5000 in your browser.

Project Structure



Demo Video

https://www.loom.com/share/b68eb30585234e55be4bbb081a431818?sid=e6bab454-6dc7-4b4c-98b9-7df50fd27e4b

Future Improvements

- Add captcha handling (if scraping more courts)
- Support for multiple court websites (e.g., Faridabad, Mumbai)
- Admin dashboard to view query logs
- Export logs to CSV

Disclaimer

This tool is built for **educational/demo** purposes. Court data may be subject to change, and scraping should comply with the target website's **terms of use**.