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

```
court-data-fetcher/
│
├── app.py              # Main Flask backend
├── scraper.py            # Web scraping logic
├── templates/
│   └── index.html         # Frontend form and result display
├── cases.db             # SQLite database (auto-created)
├── requirements.txt        # Python dependencies
└── README.md               # Project documentation
```

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**.