# eCourts Scraper

## Description

This project fetches court listings from the [eCourts website](https://services.ecourts.gov.in/ecourtindia_v6/) using Python, Selenium, and Flask. It allows you to:

* Check if a case is listed today or tomorrow.
* Download case PDF (if available).
* Download entire cause list for today.

The app provides both a **CLI mode** and a **web interface**.

## Folder Structure

ecourts-scraper/  
├─ app.py  
├─ scraper/  
│ ├─ \_\_init\_\_.py  
│ └─ scraper.py  
├─ templates/  
│ └─ index.html  
├─ static/  
│ └─ style.css  
├─ requirements.txt  
└─ README.md

## Setup Instructions

1. Install **Python 3.11 or higher**.
2. Open a terminal in your project folder.
3. (Optional) Create a virtual environment:

python -m venv venv

1. Activate the virtual environment:

* **Windows (PowerShell)**:

.\venv\Scripts\Activate

* **Linux/Mac**:

source venv/bin/activate

1. Install dependencies:

pip install -r requirements.txt

Make sure Chrome is installed. The app uses Selenium ChromeDriver.

## Running the App

### Web Interface

1. Start the Flask app:

python app.py

1. Open your browser and go to:

http://127.0.0.1:5000/

1. Enter **CNR number** or select **cause list** options.
2. Click **Check** to see results.

### CLI Mode

1. Run:

python app.py

1. Follow the terminal prompts for **case search** or **cause list download**.

## Notes

* Do **not** include the virtual environment (venv) in submission.
* Ensure internet connection while running the scraper.
* Selenium requires ChromeDriver version matching your Chrome browser.

## Author

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