Marks Extractor Web App – Project Documentation

# Objective

This is a demo web application built using Django and Bootstrap that extracts student result details from a public result page URL and displays the information in a clean and responsive UI.

# Features

- Take a result page URL as input (e.g. SSC result or similar)

- Fetch and parse the HTML page

- Extract:

- Student Name

- Roll Number

- Subject-wise Marks

- Total Marks

- Display the extracted data in a clean Bootstrap table/card format.

# Technologies Used

- Django (Python)

- Bootstrap (Frontend styling)

- BeautifulSoup (bs4 – for HTML parsing)

- Requests (to fetch remote pages)

# Sample Input URL (for Demo)

Since real SSC result pages are JavaScript-based, this demo uses a static sample HTML page.

Example URL:

http://127.0.0.1:8000/static/sample\_result.html

Use this link in the form input while testing the app locally.

# How to Run Locally

1. Clone the repo or unzip the folder

2. Install requirements:

pip install django beautifulsoup4 requests

3. Run Django server:

python manage.py runserver

4. Visit http://127.0.0.1:8000 in your browser.

# Important Note

- SSC result pages (e.g., https://ssc.digialm.com/...) use JavaScript to load data dynamically, which cannot be parsed using requests + BeautifulSoup.

- This demo uses a static sample HTML page (sample\_result.html) to replicate the structure and test the extraction logic.

# Deliverables

- Working source code (Django project)

- Bootstrap-styled UI

- Result extracted and displayed on input

- Sample HTML file for demo testing

- This documentation

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