Assignment for position at “Mobilicis India Private Limited” – **Python Developer**

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**Assignment**: Building a Scheduled Property Data Scraping Script with Django, Selenium, BeautifulSoup, and MongoDB

**Objective:** The goal of this assignment is to create a Django project that schedules and manages a property data scraping script. This script will scrape essential property details from the 99acres website, such as property name, cost, type, area, and individual property links. The scraping script will be scheduled to run twice daily for specific cities and localities using Django's cron job management. The scraped data will be stored in a MongoDB database.**Instructions:**

**Scrapping Specifications :**

You need to scrape essential property details from the 99acres website

For example , on a webpage like [**99acres.com/search/property/buy/hyderabad-all?city=38&preference=S&area\_unit=1&res\_com=R**](file:///C:\Users\divye\Downloads\99acres.com\search\property\buy\hyderabad-all%3fcity=38&preference=S&area_unit=1&res_com=R) , you will find property listings for various localities within Hyderabad. The objective is to scrape data for each of these localities and store the following property details in MongoDB:

Property Name: (e.g., "Kalyans Skyway 9")

Property Cost: (e.g., "85.48 - 91.98 Lac")

Property Type: (e.g., "2BHK Flat")

Property Area: (e.g., "1315 - 1415 sqft")

propertyLocality : (e.g., “Banajara Hills”)

propertyCity : (e.g., “Hyderabad”)

Individual Property Link: (e.g., : "https://www.99acres.com/2-bhk-bedroom-apartment-flat-for-sale-in-kalyans-skyway-9-narsingi-hyderabad-1315-sq-ft-to-1415-sq-ft-npspid-P69187662")

Cities and Localities for Scraping:

You should scrape property data for the following cities and their respective localities:

Pune, Maharashtra

Delhi, Delhi

Mumbai, Maharashtra

Lucknow, Uttar Pradesh

Agra, Uttar Pradesh

Ahmedabad, Gujarat

Kolkata, West Bengal

Jaipur, Rajasthan

Chennai, Tamil Nadu

Bengaluru, Karnataka

Ensure that your scraping script collects all the highlighted details for properties in each of these cities and localities, and stores them in your MongoDB database.

Note:-

* Set up a scheduled cron job using Django-crontab or a similar tool.
* Schedule the job to run twice daily.

Deliverables :-

You are required to submit the GitHub repository link containing the code, and separately, please provide the MongoDB URI in a text file. We will not accept any other forms of uploads.

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