Task Description

Description:

Consider you are going to implement and design a school recommendation system for students in Australia.

Requirements

- Write a web scraper to parse the information from schools
- Search the school that fits a student best according to multiple criteria, including but not limited to, the geolocation of the school and student, the student's gender, the score of the student

Your task:

Task 1
Develop a web scraper that can navigate to Goodschools.com and collect data on secondary schools in Victoria.

- The information you need to collect should at least include the school name, postcode, geolocation, sector and academic results.
- Format and present this data in a CSV file containing information for at least 50 schools. (Not required to collect all schools in the list)

Level 2, 700 Swanston St, Carlton VIC 3053
Telephone: 1800 988 988 Mobile: +61 4 555 86860
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- Write a document to briefly describe how you did this task, what tools and libraries you would use, and any potential challenges you foresee.
- Link: https://www.goodschools.com.au/compare-schools/search/in-victoria

Task 2
With provided CSV datasets of secondary schools in Western Australia:

- Analyze the datasets to determine criteria that could help match students with the best-fit school based on various factors, including geolocation.
- Develop a proof-of-concept prototype that employs these criteria to suggest schools to students, based on some general attributes from a student.
- Discuss your approach to researching and selecting these criteria, the methods and technologies you would use for the prototype, and how you would validate the effectiveness of your recommender system.
- Link to CSV file:
    - https://drive.google.com/file/d/1NJrSBY37OwqSQ50d1gR3cTwwh6SanjJI/view?usp=drive_link
      source: Kaggle

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