RateMyProfessor CLI

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Problem:

The course catalog only has search criteria with course name and professor, without ratings.

RateMyProfessor has rating data, but only allows you to search up to one professor at a time,

which is tedious and inconvenient for comparing professors. There is no method to search many

professors simultaneously with sorted rating information.

Functionality:

We will use a web scraper to gather data on RateMyProfessor and the SJSU catalog. With this

data, we will create a Command Line Interface with commands that allow users to search for

courses based on course name, rating, and professor. The user can then sort this data by rating or

course, allowing people to compare professors more quickly. This application will cover the area

of Web Scraping and Data Analysis.

Previous Works:

https://github.com/Rodantny/Rate-My-Professor-Scraper-and-Search:

This project allows you to get RMP data for one professor at a time.

https://github.com/LucasStevenson/SJSU-RMP-Class-Search:

This project is effectively the same as what we're describing, but it has a website interface, and does not sort search results.

High-Level Approach:

We will send an HTTP GET request to https://www.sjsu.edu/classes/schedules/spring-2024.php to gather course catalog information, and build a scraper to get information from RateMyProfessors. Our command line interface will process this data to return sorted search results to users.