Burger Index

Developer Case

OVERVIEW

Burger Index is an F&B market intelligence platform that removes manual data collection and guesswork by providing global coverage on real-time store, product, assortment, pricing, promotion, rating, sentiment and location data from millions of restaurant websites, delivery apps, and search results, presenting the insights to restaurants, cloud kitchens and food suppliers today.

SCENARIO

Review Crawler

You have been assigned the task of developing a review crawler. The goal is to extract reviews from a given Google Maps link and store them in a database for further analysis. The reviews will be used to gather insights about customer experiences.

Your task is to design and implement a program that can crawl and extract reviews from the provided Google Maps link using any programming language of your choice. You can assume that the link points to a specific location or business on Google Maps, such as a restaurant or a hotel.

Example links:

- https://goo.gl/maps/JMQEk2CsYQGyw9649?coh=178571&entry=tt
- https://goo.gl/maps/Q6fAUuWut7K4BUZA7?coh=178571&entry=tt
- https://goo.gl/maps/MFrFYQe3JGJBuyhX9?coh=178571&entry=tt

Requirements

1. Implement a web crawler that can navigate through the web pages to reach the review section of the given Google Maps link.
2. Extract up to 100 reviews.
3. Extract relevant information from each review, including the reviewer's name, rating, review text, and date of the review.
4. Store the extracted information in a database of your choice.

5. Handle pagination if multiple pages of reviews exist.

Keep in mind the following considerations:

- Make sure to respect the website's terms of service and don't overload their servers with requests.
- Consider the structure of the HTML elements on the review pages and devise a strategy to extract the required information accurately.
- Write clean and well-structured code, considering readability and maintainability.

DELIVERABLES

1. A brief explanation of your approach and design choices.
2. The source code of your program.
3. A sample output showing the extracted information from a given Google Maps link.

Note: You can assume that the target website's HTML structure and class names are relatively stable and do not change frequently. However, consider handling scenarios where unexpected changes might occur.

Take your time to design and implement a solution to this problem. Feel free to ask any questions you may have before proceeding. Good luck!