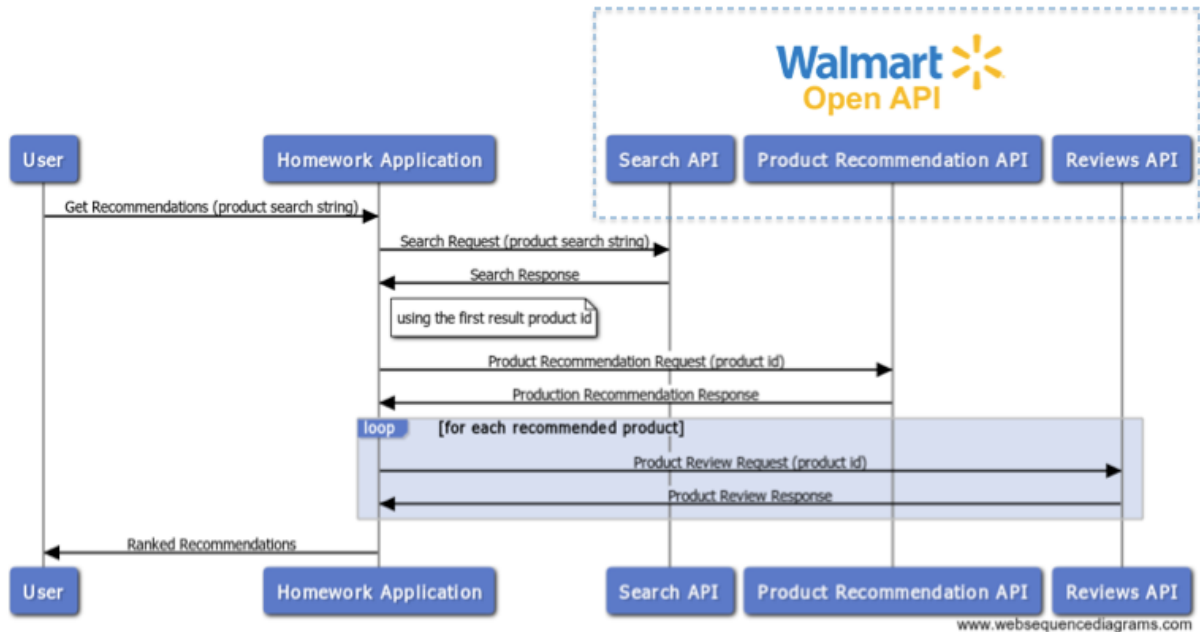# Walmart API Homework

Instructions

Using technologies of your choice, develop a simple program to rank-order Walmart product recommendations based upon customer reviews. The program should invoke the Walmart Labs Open API to implement the following workflow:

1. Search for products based upon a user-provided search string
2. Use the first item in the search response as input for a product recommendation search
3. Retrieve reviews of the first 10 product recommendations
4. Rank order the recommended products based upon the review sentiments

The details of the Homework Application, including the user interface are entirely up to you. We recommend that you choose a **simple approach** to limit your time investment. Your solution will be reviewed by engineers that you will be working with if you join the Walmart Technology team. We are interested in seeing your software design, coding, and testing skills.

Pre-requisite

You must register for an an API Key in order to access the Walmart Open API. The API key is supplied within each service request message. Register for your API key on the Walmart Labs Developer website: https://developer.walmartlabs.com/

Requirements

- The solution and any accompanying tests should build and execute entirely via the command line
- A README file should be included in your submission that includes an overview of the solution, and instructions for executing the solution and any tests
- Implementation mechanisms such as a front-end GUI or a REST API are **not required**

Resources

- https://developer.walmartlabs.com/docs/read/Search_API
- https://developer.walmartlabs.com/docs/read/Product_Recommendation_API
- https://developer.walmartlabs.com/docs/read/Reviews_Api