Price Simplification

13th May 2020

OVERVIEW

At [x] inc, we get prices from our vendors in a sample CSV file at a weekly cadence.[1] The vendors only send us the price of the updated item. If an item's price has not been updated, that item is not sent in the following week. Currently, there are no means for product managers to quickly get the price of a product on a particular date. They have to search through all the CSV files to filter out the product and find the price. This is a costly process, and we would like to optimize this by creating a **Web Portal** to view the price of a product by their SKU. The Web Portal would allow a developer or a product manager to enter the SKU of the product and retrieve the latest price, and the last updated price of the particular product. In 2021, [x] inc will also allow external clients to retrieve [x]'s price data. The contract with the external clients is that they will call [x]'s service using REST. As part of the web portal, we should also create a **REST service** for the clients to use in 2021.

GOALS

1. Create a Web Portal that allows user input of a SKU and displays the price and last updated date on the screen.
2. Create a RESTful service that allows the retrieval of the price and last updated date based on a SKU.

SPECIFICATIONS

1. As a user, I should be allowed to retrieve the price and the last updated date once I enter the SKU in the input field and press enter.
2. As a user, I should be only allowed to enter 1 SKU at a time.
3. As a user, I should be prompted with correct error messages if there is something wrong with the input.
4. As a client, I should be allowed to retrieve the price and the last updated date from a REST service call.