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# ****Project Summary****

Ingredients is a project that supposes to provide users a perfect food purchase plan on the daily or weekly purchase event. It fetches the data including food type, price, expiring date, ingredient list, nutrition facts, etc. of the on-shelf food products of the nearby food groceries like Walmart and Target. Actually, this is a website for buying ingredients. The ingredients on the website come from different shops.

# ****Realness****

We collected data(except the data related recipe) from Instacart. Our crawling is automated. Our crawling tools are java and selenium. We use cookies to avoid logging in. First, the program calls the browser installed on the computer through Selenium Webdriver. Then the program will visit the homepage of Instacart according to the URL. Then, find the search input box through the web page structure. Fill in the response value in the search input box to search. Then crawl the searched products one by one.

**Description of the functionalities**

--Users will be able to create an account and log in to our website.

--Users can browse and search for the product, add it to the cart and delete one or more items in the shopping cart.

--Users can sort the search results according to price and name. Users can also choose whether to display products from a particular store.Users can rate and leave a comment on the item they have bought.

--Users can get recommended recipes by entering keywords.

--Seller-related functions are under development









