

### **User Stories** *(with Acceptance Criteria as hollow bullet points)*

- As an ice cream lover, I want to find the ingredients and reviews for each ice cream so that I can find the “best” kind of ice cream according to my taste.
  - Displays the ingredients for each ice cream
  - Displays the reviews (from the most helpful to least helpful) for each ice cream
  - Displays the rating for each ice cream
  - Rank the ice creams in term of their rating
- As an ice cream vendor, I want to check the reviews and number of stars for each ice cream so that I can select a few kinds of ice cream products that would be popular among my target customers.
  - Correctly ranks ice cream products in terms of rating scores
  - Users should be able to rank products under filters that specify the brand, the desired range of ranting scores, or keywords in the product name
- As a product manager, I want to download review-related data and graphics on ice cream products so that I can make comparisons and draw inferences on my own about what would be the most reputable kind of ice cream for my company.
  - Allow a download version of the ice creams’ detailed information on the page.
  - Test searching ice cream with a specific brand
- As a food reviewer, I want to set the date range on ice cream reviews submitted so that I can get the most current reviews on different ice cream products and write interesting review articles for my readers.
  - Allow displaying the reviews in terms of date range
  - Test searching for ice cream by its product name. If non-existent, an error message should occur.
- As a parent, I would like to filter on certain ingredients and know the ice cream products that do not contain these ingredients so that my children can be free from any potential allergenic ingredients.
  - Search filters should contain an option to exclude products with ingredients specified by the user (via checking boxes in a list of ingredients or text input).
- As staff at the Food Inspection Department: I would like to download ingredient information of ice cream products so that I can make sure they are all correct as what’s reported.
  - Allow downloads of any citable source data on ice cream products’ ingredient information from the website.