Product Backlog

Epic Name Deployment
As the product owner I want the product to be easy to deploy.

> **Story Name** Executable .jar File   **Business Value:** Highest (Non-Negotiable)
> As the product owner I want the system to be deployed as an executable .jar file that contains all of the executable code and necessary data so that the system is easy to deploy.

Epic Name Flexibility in Ingredients
As a user I want to be able to add to the list of possible ingredients.

> **Story Name** Adding Ingredients with Calorie Information   Business Value: Highest (Non-Negotiable)
> As a user I want to be able to add to the list of ingredients (including associated calorie information) so that I can create a wider variety of recipes.

> **Story Name** Adding Ingredients with Density Information   Business Value: Highest (Non-Negotiable)
> As a user I want to be able to add to the list of ingredients (including associated density information) so that I can convert between weights and volumes for more ingredients.

Epic Name Information Representation
As a user I want the information in the system to be represented in a consistent, flexible manner.

> **Story Name** Embedded Recipes   **Business Value:** Medium
> As a user I want a recipe to be able to contain other recipes (e.g., the recipe for Eggs Benedict could contain the recipe for Hollandaise Sauce) so that I can easily re-use recipes.

> **Story Name** Step Validation   **Business Value:** Medium
> As a user I want the system to only allow me to include an ingredient and/or utensil in a step if it has already been included in the recipe so that I can avoid making data entry mistakes.

> **Story Name** Step Times   **Business Value:** Low
> As a user I want all the steps in a recipe (not just those that involve cooking) to contain time estimates so that I can estimate how long it will take to prepare and cook.

Epic Name Editing Recipes
As a user I want to be able to edit recipes.

        Story Name Order of Utensils in Recipes   **Business Value:** Highest
        As a user I want the utensils in a recipe to be presented in alphabetical order by name so that it is easy to see if a particular utensil is used.

        Story Name Drilling-Down into Embedded Recipes   **Business Value:** Medium
        As a user I want to be able to drill-down into a recipe that contains embedded recipes so that I can see a complicated recipe at different levels of abstraction.

Epic Name Viewing Shopping Lists
As a user I want to be able to view shopping lists.

        Story Name Printing a Shopping List   **Business Value:** High
        As a user I want to be able to print a shopping list so that I can use it when shopping.

        Story Name Store-Specific Order of a Shopping List   **Business Value:** Medium
        As a user I want to be able to sort shopping lists by the aisle in the store that I choose so that I can shop efficiently.

        Story Name Shopping List Prices   **Business Value:** Medium
        As a user I want shopping lists to include the price of each item in the store that I choose so that I can know in advance how much money I will spend.

Epic Name Viewing the Preparation and Cooking Process
As a user I want to be able to view the process required for preparation and cooking.

        Story Name Printing the Preparation and Cooking Process   **Business Value:** High
        As a user I want to be able to print the utensils and steps in a recipe so that I don't have to worry about using a computer when preparing and cooking.

        Story Name Step Timing in a Process   **Business Value:** Low
        As a user I want to be able to display the steps with start times (based on a desired plating time) so that I can schedule the preparation and cooking.

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Epic Name Tools

As a user I want to be able to use various tools related to shopping, preparation, and cooking.

> **Story Name** Calculating the Calories in a Recipe   **Business Value:** Highest
> As a user I want to to be able to determine the calories in a recipe so that I can determine how fattening a recipe will be.

> **Story Name** Calculating the Calories in a Meal   **Business Value:** Highest
> As a user I want to to be able to determine the calories for a given meal so that so that I can determine how fattening a meal will be.

Epic Name Language Support

As a salesperson I want the product to support multiple languages so that I can sell it in a wider variety of markets.

> **Story Name** Language Support in the GUI   **Business Value:** Highest
> As a salesperson I want every component in the GUI (e.g., menus, buttons, file dialogs, etc.) to support three different languages (with the specific language determined at start-up) so that I can demonstrate that we have the capability to support any language.

> **Story Name** Language Support in the User Documentation   **Business Value:** High
> As a salesperson I want the user documentation to support three different languages (with the specific language determined at start-up) so that I can demonstrate that we have the capability to support any language.

Epic Name User Guide

As a user I want the product to have built-in user guide that makes the product easier to use.

> **Story Name** User Guide File Format   **Business Value:** Highest
> As a maintenance engineer I want the user guide to be in HTML so that it is easy to maintain.

> **Story Name** User Guide File Deployment   **Business Value:** Highest
> As a salesperson I want the user guide to be included in the executable .jar file so that it can be used when the user's computer is not connected to the Internet.

> **Story Name** User Guide Display   **Business Value:** Highest
> As a user I want to be able to open the user guide in a WWW browser so that I don't have to learn how to use a new system.

> **Story Name** User Guide Contents   **Business Value:** Highest
> As a user I want the user guide to contain both text and "screen shots" so that I understand how to use the product.

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Epic Name Branding
As a marketer I want to be able to brand the the system for different potential customers to increase our market penetration.

      Story Name Logo   **Business Value:** High
      As a marketer I want to configure the system to use a particular logo when the .jar file is created so I can brand the system for different potential customers.

      Story Name Color Scheme   **Business Value:** High
      As a marketer I want to configure the color scheme when the .jar file is created so I can brand the system for potential customers but they can't change it.

Epic Name Configuration
As a marketer I want the user to be able to customize the operation of the product.

      Story Name Type of Units   **Business Value:** Medium
      As a marketer I want the user to be able to specify that U.S. or metric units should be used so that I can market the product to a broad audience.

      Story Name Setting Preferences   **Business Value:** Medium
      As a marketer I want the user to be able to set preferences from menu items under the File menu so that the product is consistent with other products.

      Story Name Loading Preferences   **Business Value:** Medium
      As a user I want the system to load preferences at startup so that I don't have to enter them every session.

      Story Name Keyboard Shortcuts   **Business Value:** Low
      As a marketer I want the user to be able to specify keyboard shortcuts for the various menu options so that the user can be more efficient.

      Story Name Loading Shortcuts   **Business Value:** Low
      As a user I want the system to load shortcuts at startup so that I don't have to enter them every session.

      Story Name Supplemental Nutritional Information   **Business Value:** Low
      As a user, I want to be able to add supplemental nutritional information (e.g., about calories and densities) so that I can work with a wider variety of ingredients.

      Story Name Loading Supplemental Nutritional Information   **Business Value:** Low
      As a user I want the system to load supplemental information at startup so that I don't have to do it manually every session.

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Epic Name Searching
As a user I want to be able to find interesting ways to use different ingredients.

> **Story Name** Recipe Search   **Business Value:** Medium
> As a user I want to be able to search for recipes that use and/or don't use particular ingredients so that I can use ingredients that I already own.
>
> **Story Name** Meal Search   **Business Value:** Medium
> As a user I want to be able to search for meals that use and/or don't use particular ingredients so that I can accommodate my guests dietary preferences and restrictions.

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