

Smart Fridge

The fridge that manage your daily life by tracking and facilitating the consumption of food.

1 Background

We are a start-up made up of previous employees within the refrigerator industry with ambitions to minimize food waste and optimizing the use of groceries. By keeping track of groceries that are stored in the fridge, recipes can be suggested with the intent to use up the groceries in store and that are about to expire. Furthermore, it can log your consumption and generate lists of what groceries that need to be purchased.

2 Goals

The goal for this product is to provide a service for customers to manage their use of groceries, while at the same time minimizing food waste.

3 Functionality

The possibility to scan food and retrieve the following information:

- Type of food
 - Expiration date
 - Food preferences
- Based on what is available in the fridge, list recipes categorized by food preferences
- Recipes should be fetched from an external recipe database
- Being able to open the fridge door without using the handle
- Voice controlling and navigation
 - To open and close the fridge door
 - Be able to search for products
- Get a shopping list for a dish excluding food that's already in the fridge
 - By a single click, all the groceries on the shopping list should be ordered from an external grocery store website
- General notifications for expiring food
- Reminders when groceries are out of stock in the fridge When entered with a recipe the fridge prepares the right groceries so that they are prepared when the fridge is opened next time
- Allow user to query which shelf the food is located on

4 Role

We will serve as the customers for this product, while your role will be to produce a Software Requirements Specification for the Smart Fridge that can be used for further development of this product.

5 Project group D

Member	E-mail
Christine Boghammar	dat12cbo@student.lu.se
Johan Nilsson	dat12jn1@student.lu.se
Richard Luong	ine11rlu@student.lu.se
André Alm	dat12aa1@student.lu.se
Wawrzyn Chonewicz	eit13wch@student.lu.se
Artur Matulaniec	dat11ama@student.lu.se