

Sprint-Hylastix Fridge

Project Duration: 8 days,
17 hours

The project was managed using Trello, structured into four task statuses:

- Development
- Progress
- Testing
- Done

Each main task consisted of clearly defined subtasks, organized as follows:

1. Product Management

Time Spent: 8 hours

Technologies Used: Java, Hibernate, Spring Boot

Subtasks:

- 1.1 Adding products to the fridge
- 1.2 Editing products in the fridge
- 1.3 Deleting products from the fridge
- 1.4 Consuming (eating) products from the fridge
- 1.5 Managing categories and subcategories
- 1.6 Filtering products
- 1.7 Displaying product status in the fridge
- 1.8 Viewing all products
- 1.9 Displaying messages related to products
- 1.10 Listing products nearing expiry
- 1.11 Listing expired products

1.12 Viewing history of consumed products

2. User Management

Time Spent: 4 hours

Technologies Used: Java, Spring Security, Hibernate, Spring Boot

Subtasks:

2.1 User registration

2.2 User login

2.3 Role and permission management

2.4 Editing, deleting, and blocking user accounts

2.5 Viewing all registered users

3. Database

Time Spent: 2 hours

Technologies Used: MySQL

Subtasks:

3.1 Creating database tables

3.2 Writing SQL queries for table interaction

4. Frontend Development

Time Spent: 3 hours

Technologies Used: Bootstrap, HTML, CSS, JavaScript

Subtasks:

4.1 Integrated Bootstrap theme ([Bootstrap 5.3.2](#))

Link to bootstrap: <https://themewagon.com/themes/delfood-free-responsive-bootstrap-4-restaurant-website-template/>

4.2 Adapting the theme to fit the project requirements

Suggestions for Future Development:

- 1 Assigning an individual fridge to each user account
- 2 Admin-level control for adding categories and subcategories

- 3 Option to select quantity to be consumed per product, including deletion of specific amounts
- 4 Warning messages for products nearing expiry prompting consumption
- 5 Admin-level management of role types and role-based permissions
- 6 Further enhancement of frontend functionality and UI/UX