

The Fridge application displays an overview of the products in the fridge.

To access the application, two roles have been added: **admin** and **user** (to add new roles, e.g., **Editor**, it can be done through the code).

The **admin** can access the **User Management** page by clicking on the **User Management** item in the top right corner.

The **admin** has access to all functionalities of the application, including managing all users.

The admin can **edit**, **block**, and **delete** users.

When a **user** logs in, they can access the full Fridge application but are only allowed to **consume (eat) products**.

Other operations such as **adding**, **editing**, or **deleting products** are restricted — if the user attempts them, a message will appear stating

they do not have permission.


Users can register through the **login form** when trying to access the application.


The **administrator** can assign the **admin role** if needed; otherwise, the user is granted access to the application by default.

The main page of the application displays the

following information:

 Today's Date: **25.06.2025** (Displays the current date)

 **Total Quantity in Fridge: 43** (Displays the current quantity of products in the fridge)

 **Capacity: Pieces: 36/50, Liters: 3/10, Glasses: 4/10** (Prikazuje kapacitet frizidera)

 **Fridge Capacity is 70 and Rules are:** 
Maximum: 50 pieces, 10 liters, and 10 glasses

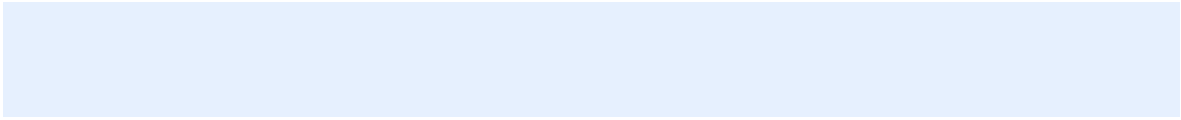
If there is only space left in the fridge for **pieces**, you can add anything as a **piece**, even drinks.

- If the **piece limit** (50 pieces) is full, you cannot add anything as a **piece**, **liter**, or **glass**.
- If **10 liters** or **10 glasses** have already been used in the fridge, you can no longer add **drinks** using those units.
- **Piece has priority**, as it is used as a universal unit for all categories when **liter/glass** capacity is full

 You can **always add pieces** if there is space.

 You can add **liters or glasses** only if there are **less than 50 pieces** stored.

This helps keep the fridge balanced and efficient.   



Below is the functionality for **adding a product**, followed by the **overview of all products**, each with the following actions:

Edit (only the product name can be changed), **Delete**, and **Consume**.

When adding a product, the following details are entered:

- Product name
- Date of storage
- Expiration date

- Quantity
- Category
- Unit of measure

Based on the storage and expiration dates, the product status is determined as follows:

- **Expired** – if the expiration date has passed
- **OK** – if the expiration date is more than 3 days after the storage date
- **Expiring Soon** – if the expiration date is between 1

to 3 days after the storage date

Product categories include:

Fruit, Vegetable, Drink, Canned, Eggs, Milk

(Currently, new categories can be added through code.)

Units of measure include:

Piece, Liter, Glass, with category-based restrictions.

For example, **eggs cannot be added as liter**, and **fruit cannot be added as glass**.

Products can be filtered by **status**.

Hylastix fridge Management Panel

Product Name

Quantity

Category

-- Select --

- -- Select --
- Fruit
- Vegetable
- Drink
- Canned
- Eggs
- Milk

Unit of Measurement

-- Choose --

- -- Choose --
- Piece
- Liter
- Glass




Expiration + Add Product






















Filter by Status:

-- Select --

- -- Select --
-  OK
-  Expiring Soon
-  Expired

 Filter

Prod uct name	Qu ant ity	Cat ego ry	Unit of Measure ment	Add ed date	Expir es date	Status	Edit prod uct	Delete produ ct	Eat prod uct
Fruit yogur t	1	Mil k	Glass	23.0 6.20 25	24.0 6.20 25	Expire d			

Yogurt	3	Milk	Glass	25.0 6.20 25	26.0 6.20 25	Expiring soon			
Raspberries	20	Fruit	Piece	25.0 6.20 25	26.0 6.20 25	Expiring soon			
Apples	7	Fruit	Piece	25.0 6.20 25	28.0 6.20 25	OK			
Cabbage	1	Vegetable	Piece	25.0 6.20 25	28.0 6.20 25	OK			
Milk	2	Milk	Liter	25.0 6.20 25	30.0 6.20 25	OK			
Orange juice	1	Drink	Liter	25.0 6.20 25	02.0 7.20 25	OK			
Chicken pate	2	Canned	Piece	25.0 6.20 25	05.0 7.20 25	OK			

! Products Expiring Soon

- Yogurt - in 1 days
- Apples - in 3 days
- Raspberries - in 1 days
- Cabbage - in 3 days
-

⊘ Expired Products

- Fruit yogurt - Expired on 24.06.2025



Eaten Products History

- Salami - Qty: 1, Expired: 26.06.2025, Eaten: 25.06.2025

Messages related to product management:

You do not have permission to add a product. Only an admin can perform this action."

Expiration date cannot be in the past!"

Product with this name already exists in the fridge!"

Invalid unit for selected category! Only 'Piece' is allowed.

Invalid unit for Drink! Only 'Liter' or 'Glass' are allowed."

Invalid unit for Eggs! Only 'Piece' are allowed."

Maximum of 50 pieces reached!"

Maximum of 10 liters reached!"

Maximum of 10 glasses reached!"

You can't add liters/glasses while piece capacity is full!"

Product is successfully added in fridge!"

You do not have permission to delete the product. Only an admin can perform this action."

You have successfully deleted the product

You have successfully eaten the product!");

You do not have permission to edit the product.Only an admin can perform this action."

You do not have permission to edit the product.Only an admin can perform this action."

Product updated successfully!