Authors: Silvia Barbagallo, Riccardo Gangitano, Giulia Pecorella, Carlotta Santoro
Referring teacher: Salvatore Costantino
School: Liceo Classico Giovanni Meli
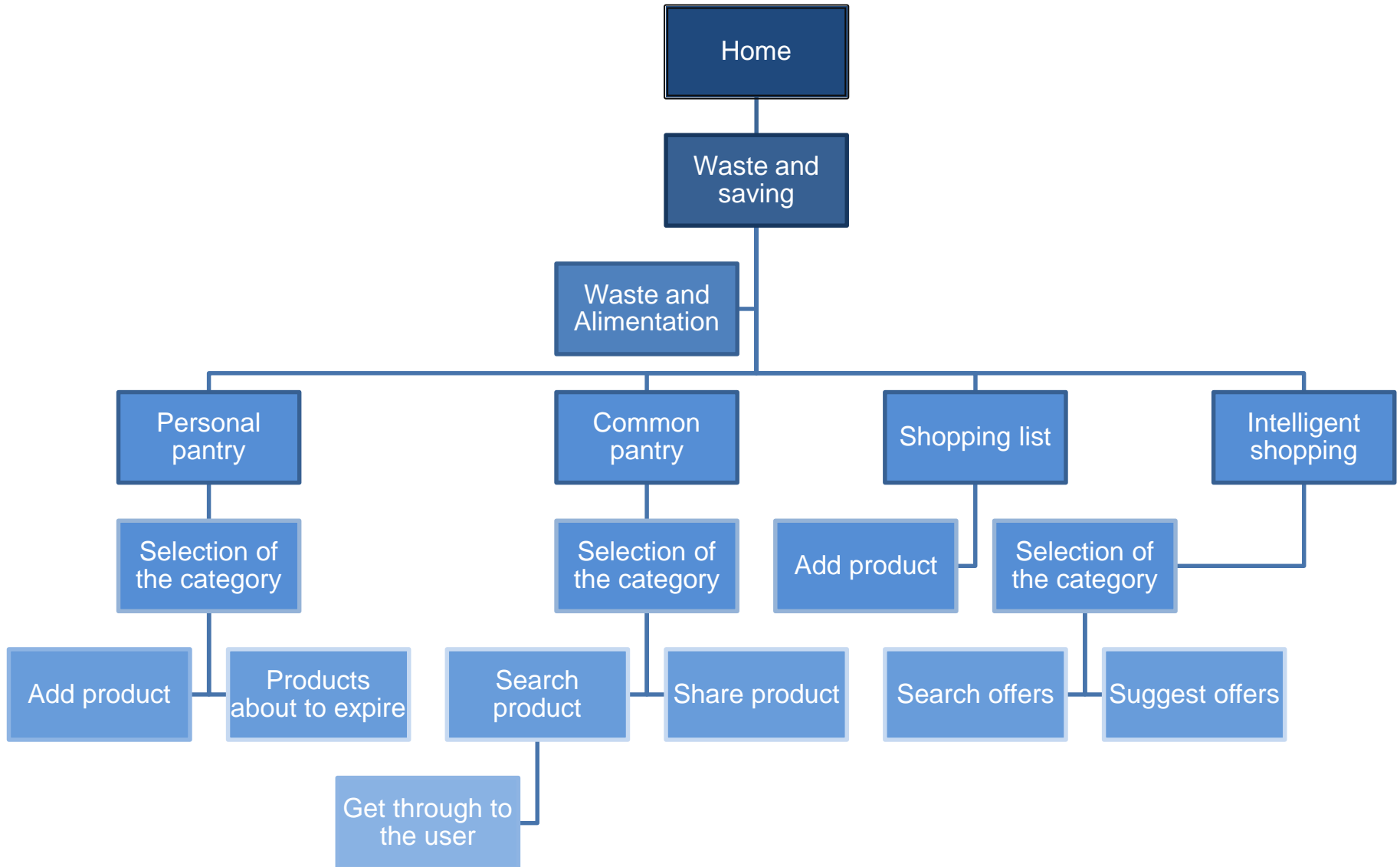Class: VC
City: Palermo
Country: Italy

This is a native App, founded on the theme of the EXPO 2015 "Waste and alimentary education".

This App has an informative and educative purpose, in order to pose the attention on food waste and to make the learning interactive and easy. The interactivity, in fact, allows to use the App daily and to help the management of personal waste and personal alimentation.
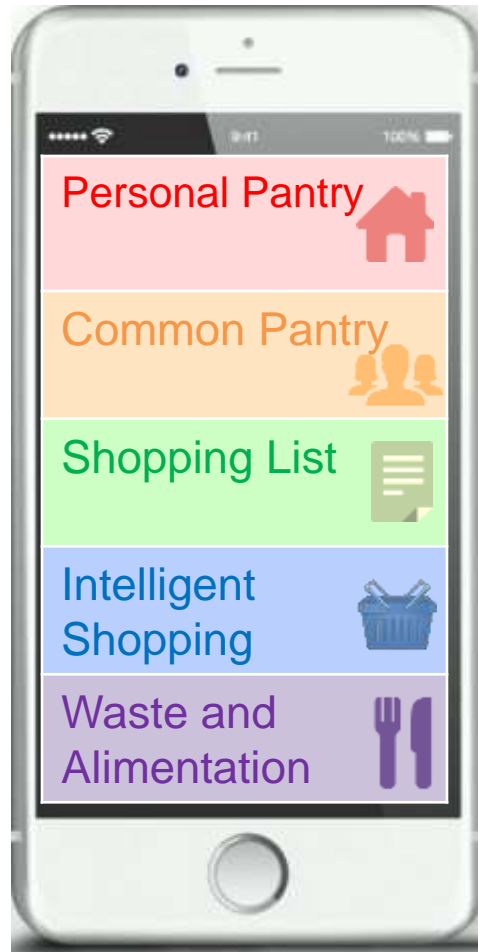
# Structure

```
                        Home
                          |
                   Waste and
                    saving
                          |
              Waste and
             Alimentation
                          |
    ┌──────────────┬──────────────┬──────────────┐
Personal        Common        Shopping list   Intelligent
 pantry         pantry                          shopping
    |              |               |               |
Selection of   Selection of   Add product    Selection of
the category   the category                  the category
    |              |                              |
┌───────┐      ┌───────┐                   ┌──────────┐
Add      Products    Search    Share       Search    Suggest
product  about to    product   product     offers    offers
         expire
            |
       Get through to
        the user
```

# Eat And Save

# Starting screen

# Waste and saving



Personal Pantry: it is possible to organize and control the pantry even if you're not at home.
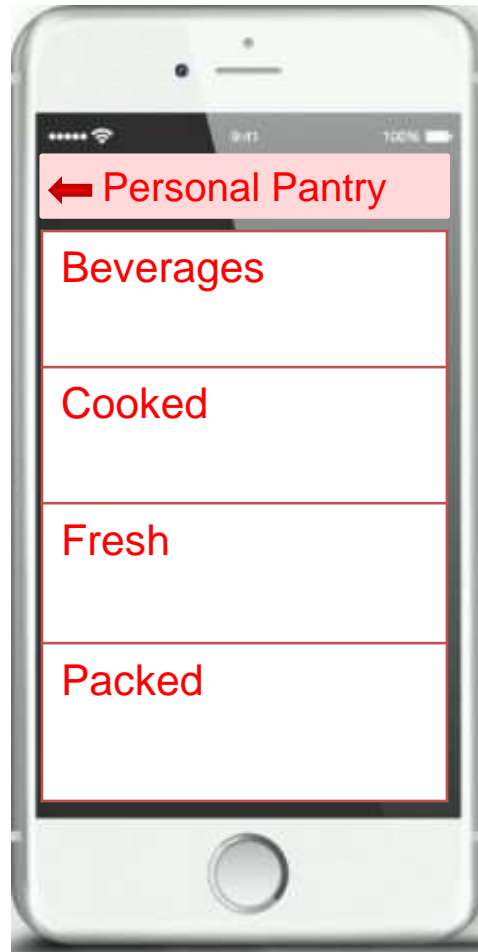
Common Pantry: it is possible to share products that you cannot use before the expiry date and everyone can do it.

Shopping List: you can add everything you need to buy.

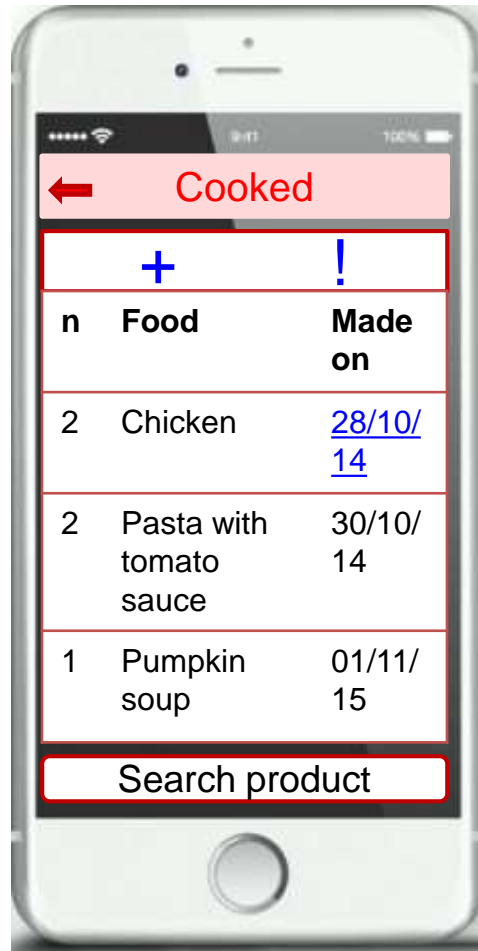Intelligent Shopping: everyone can share offers made by supermarkets.

Waste and Alimentation: there are some tips for an adequate diet and some facts about food and waste.

# Personal pantry



In this section you have the perfect technologic copy of your pantry and you can see it in your Smartphone wherever you want and whenever you need.
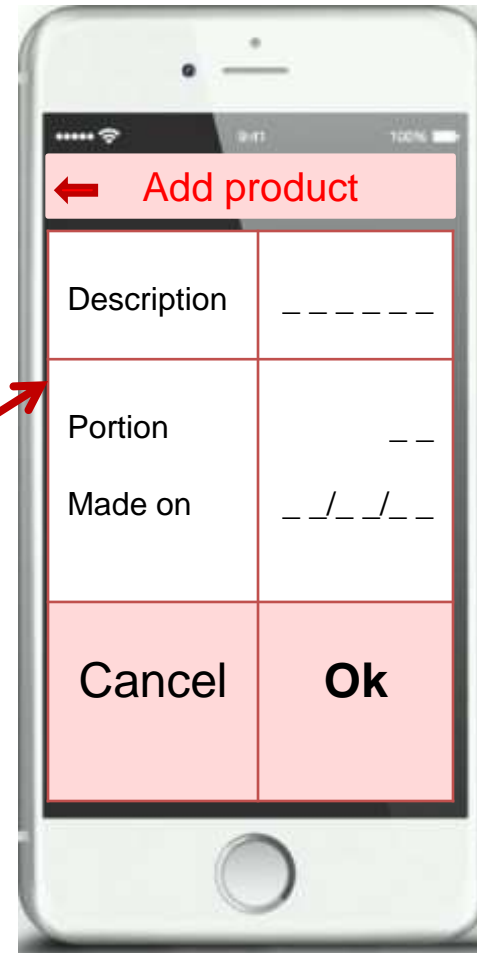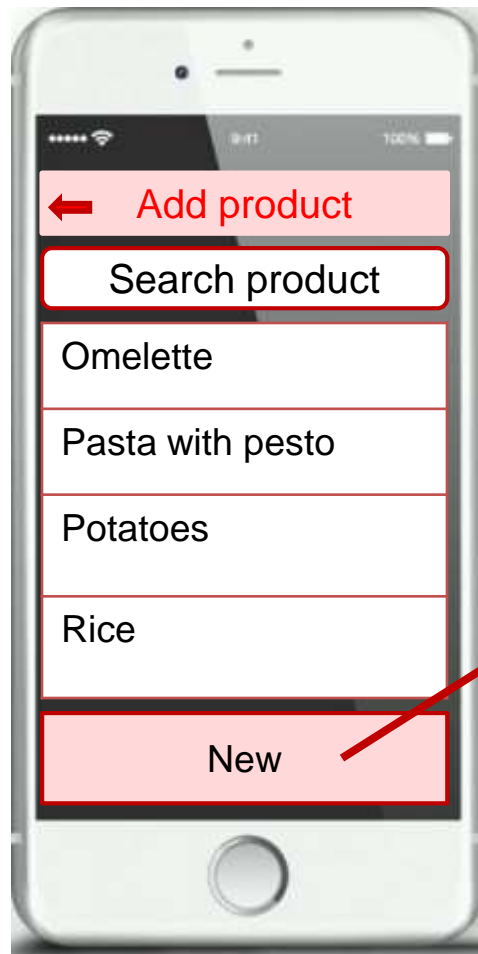
# Personal pantry: Cooked



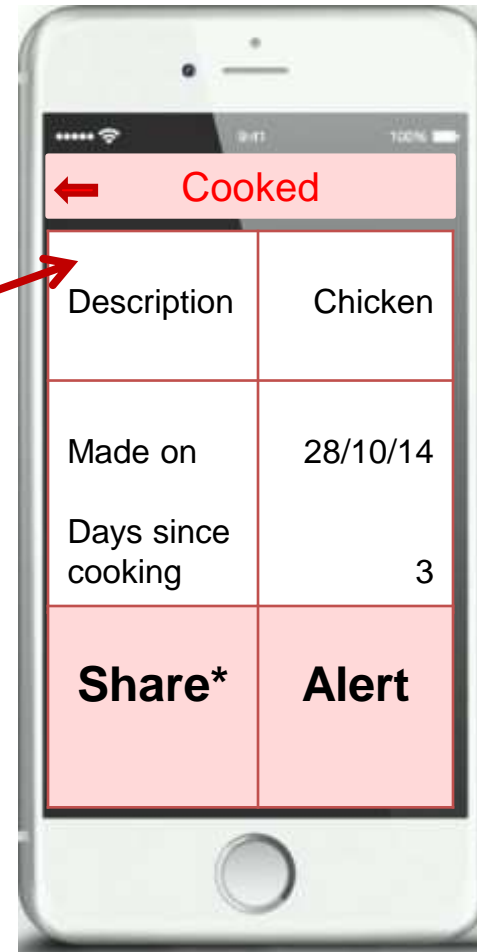In this section there are all the home cooked food of the personal pantry.

Plus: you can add a product to the personal pantry with the creation of a "new record food" or searching an available record.

Exclamation mark: you can reach the section where there is food made for more than two days and you can also activate an alarm.

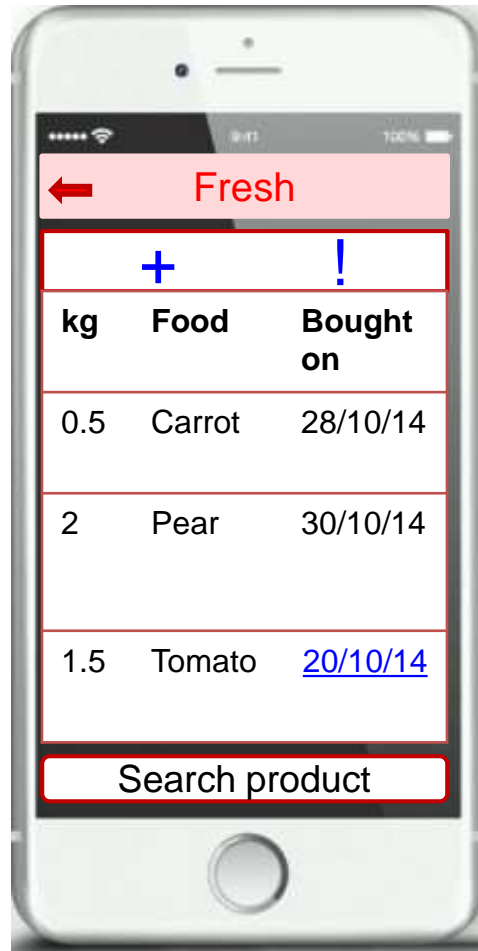# Add a cooked food to the Personal Pantry

# Food which have been cooked for a long time



*The product shared goes to the Common pantry section.
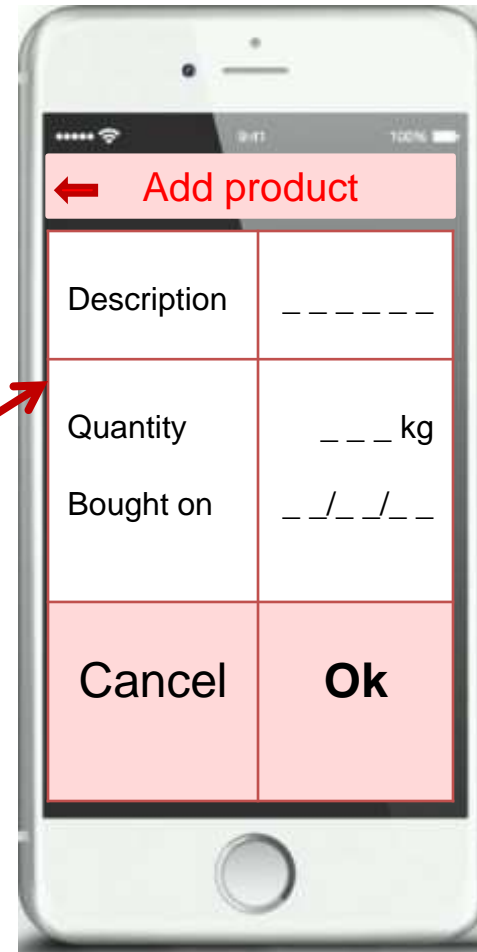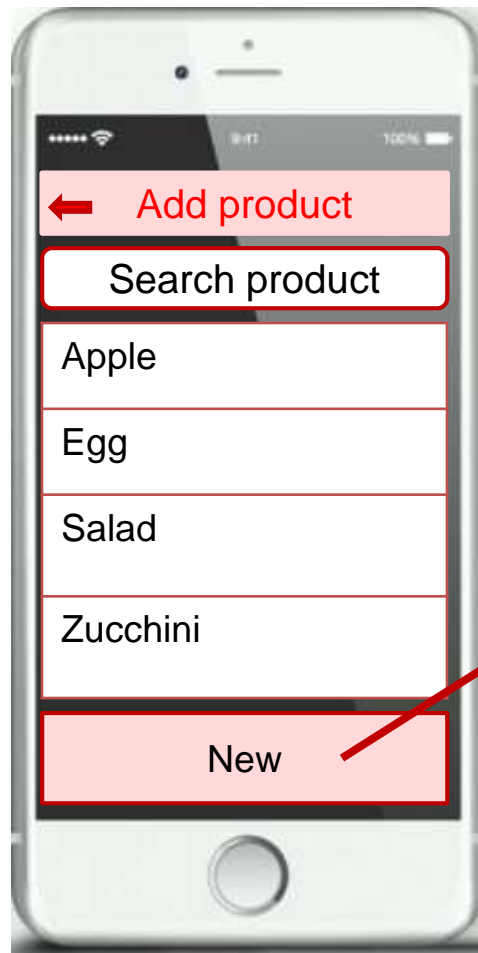
# Personal pantry: Fresh



In this section there are all the fresh food of the personal pantry.

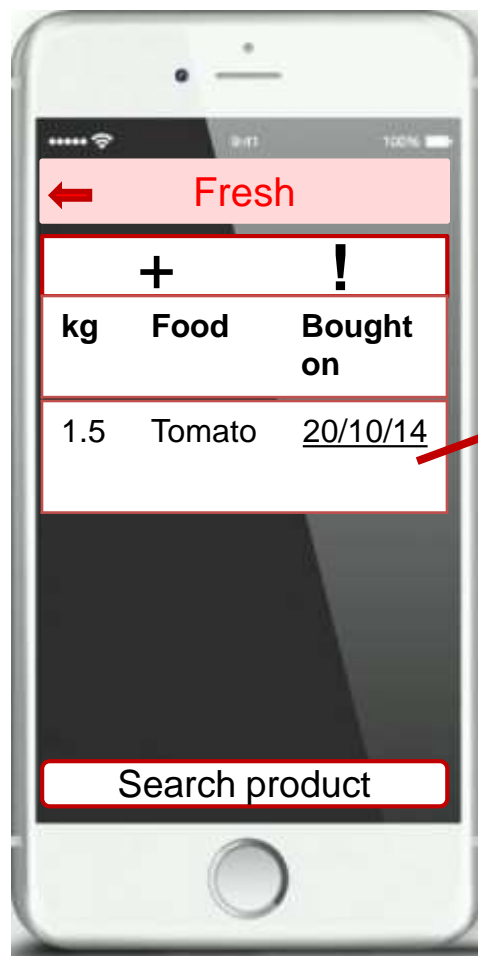Plus: you can add a food to the personal pantry with the creation of a "new record food" or search an available record.

Exclamation mark: sends you to the section where there is fresh food bought for more than five days and you can also activate an alarm.

# Add fresh food to the Personal pantry

# Fresh food which have been bought for a long time
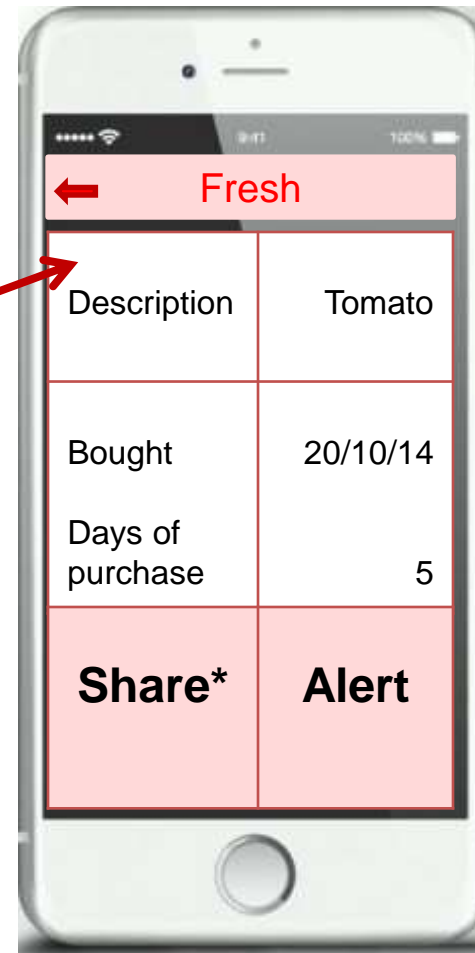


*The product shared goes to the Common pantry section.

# Personal pantry: Packed*



| n | Food | Expiry date |
|---|------|-------------|
| 2 | Penne Barilla | 20/10/15 |
| 1 | Pesto Buitoni | 20/10/15 |
| 2 | Tortiglio ni Buitoni | 20/10/14 |

Plus: you can add a product to the personal pantry with the creation of a "new record product", searching an available record or scanning the bar code.

Exclamation mark: sends you to the section where there are products with a near expiry date.

When there is only a package of a product the App underlines it and gives you the possibility to add it to the *Shopping list*.

When a product is near to the expiry date (7 days) the App underlines it and copies it in the section of the exclamation mark, giving the possibility to activate an alarm or to add it to the *Common pantry*.

* The pantry of packed product and beverages has the same structure.

# Add a packed product to the Personal pantry
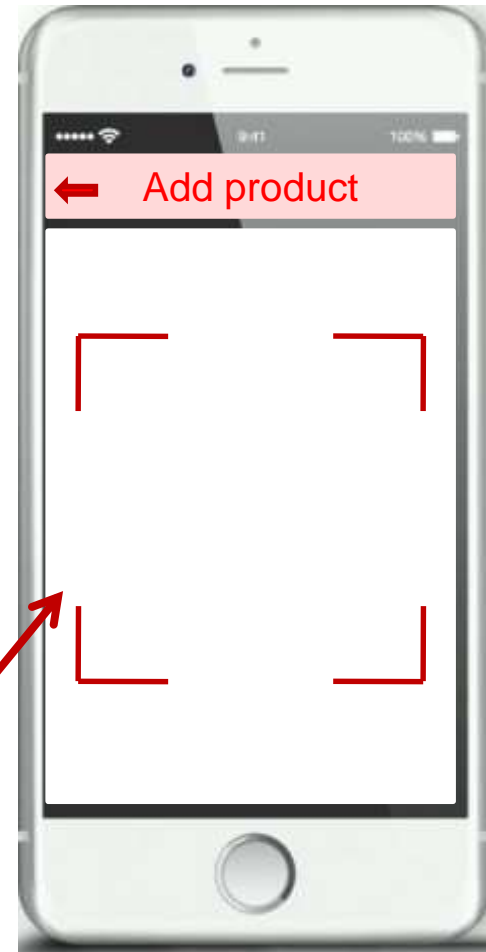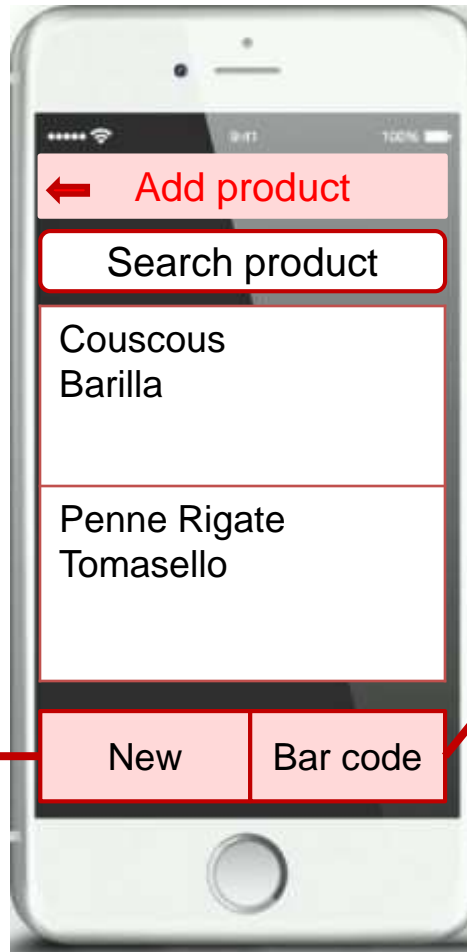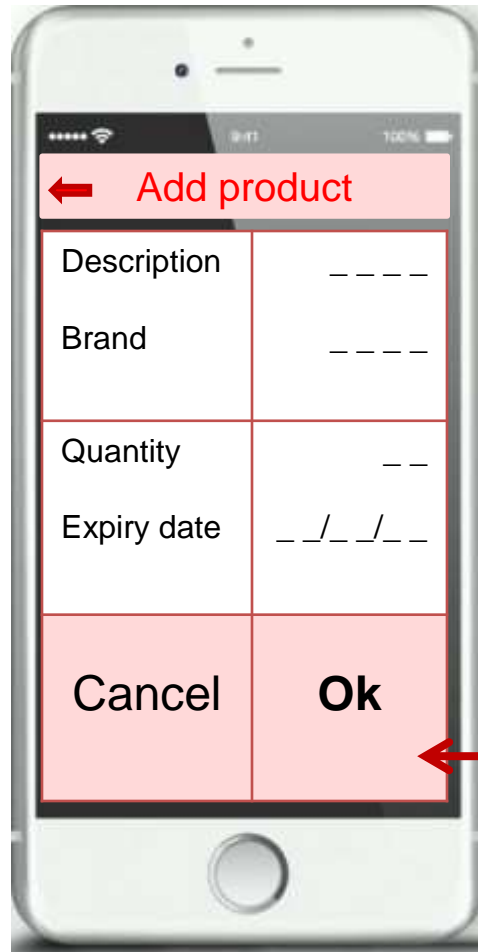
# Add a product form the Personal pantry to the Shopping list

# Products with a near expiry date
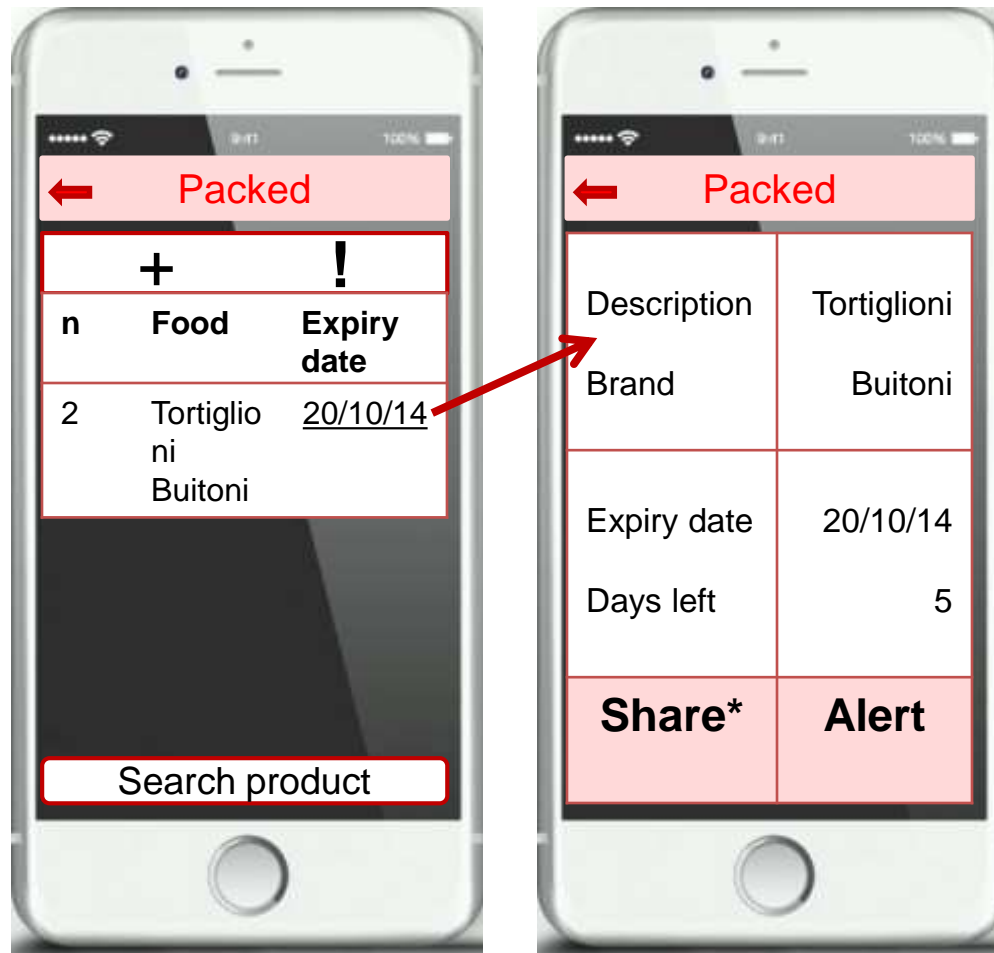


You need pay attention to the expiry date written on the label of the products.
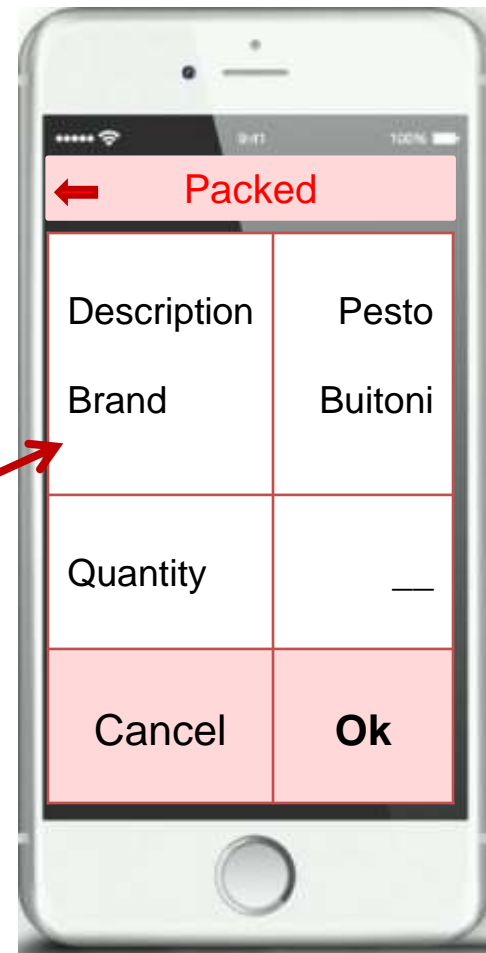
"Within" means that the product belongs to the consumption only until the date written (as for milk and yogurt), knowing that there is an allowance for every product.

"Best before" indicates the date until the product preserves his specific qualities; in this case the product belongs to the consumption even after the date written.

*The product shared goes to the Common pantry section.

# Common Pantry
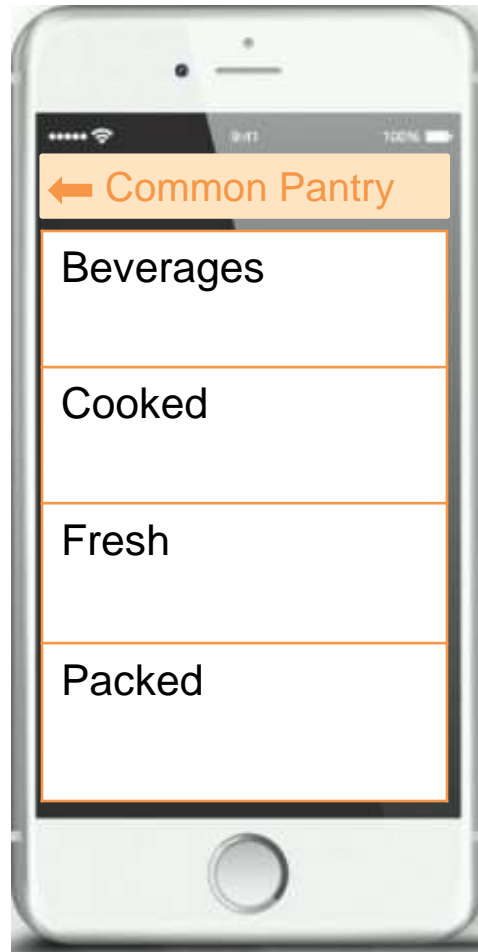


All the products shared by the users are in the Common pantry. The user who needs a product can get in touch with the user who shares it.

# Common pantry: Cooked



**Screen 1 (Cooked detail):**

| Description | Chicken |
|---|---|
| Quantity | 2 portions |
| Made on | 28/10/14 |
| User | Mario Rossi |
| Address | Via Libertà,9 |
| Cancel | **Send a message** |

**Screen 2 (Cooked list):**

| **+** | | |
|---|---|---|
| n | Food | Made on |
| 2 | Chicken | 28/10/14 |

Search product

**Screen 3 (Add cooked):**

| Description | _ _ _ _ |
|---|---|
| Quantity | _ _ portion |
| Made on | _ _ / _ _ / _ _ |
| User | _ _ _ _ _ |
| Address | _ _ _ _ _ |
| Cancel | **Add** |

# Common pantry: Fresh



**Screen 1:**

| Description | Tomato |
|---|---|
| Quantity | 1.5 kg |
| Bought | 20/10/14 |
| User | Mario Rossi |
| Address | Via Libertà,9 |
| Cancel | **Send a message** |

**Screen 2:**

**Fresh**

**+**

| kg | Food | Bought on |
|---|---|---|
| 1.5 | Tomato | 20/10/14 |

Search product

**Screen 3:**

| Description | _ _ _ _ _ |
|---|---|
| Quantity | _ _ _ kg |
| Bought on the | _ _/_ _/_ _ |
| User | _ _ _ _ _ |
| Address | _ _ _ _ _ |
| Cancel | **Add** |

# Common pantry: Packed*

| Description | Tortiglioni |
|---|---|
| Brand | Buitoni |
| Quantity | 2 pack. |
| Expiry date | 20/10/14 |

| User | Mario Rossi |
|---|---|
| Address | Via Libertà,9 |

| Cancel | **Send a message** |
|---|---|

**Packed**

| **+** | | |
|---|---|---|
| **n** | **Food** | **Expiry date** |
| 2 | Tortiglioni Buitoni | 20/10/14 |

Search product

**Packed**

| Description | _ _ _ _ _ |
|---|---|
| Brand | _ _ _ _ _ |
| Quantity | _ _ |
| Expiry date | _ _/_ _/_ _ |

| User | _ _ _ _ _ |
|---|---|
| Address | _ _ _ _ _ |

| Cancel | **Add** |
|---|---|

\* The pantry of packed product and beverages has the same structure.

# Shopping List



In the Shopping List you can add all the products that you need to buy and update them.

# Add a product to the Shopping List
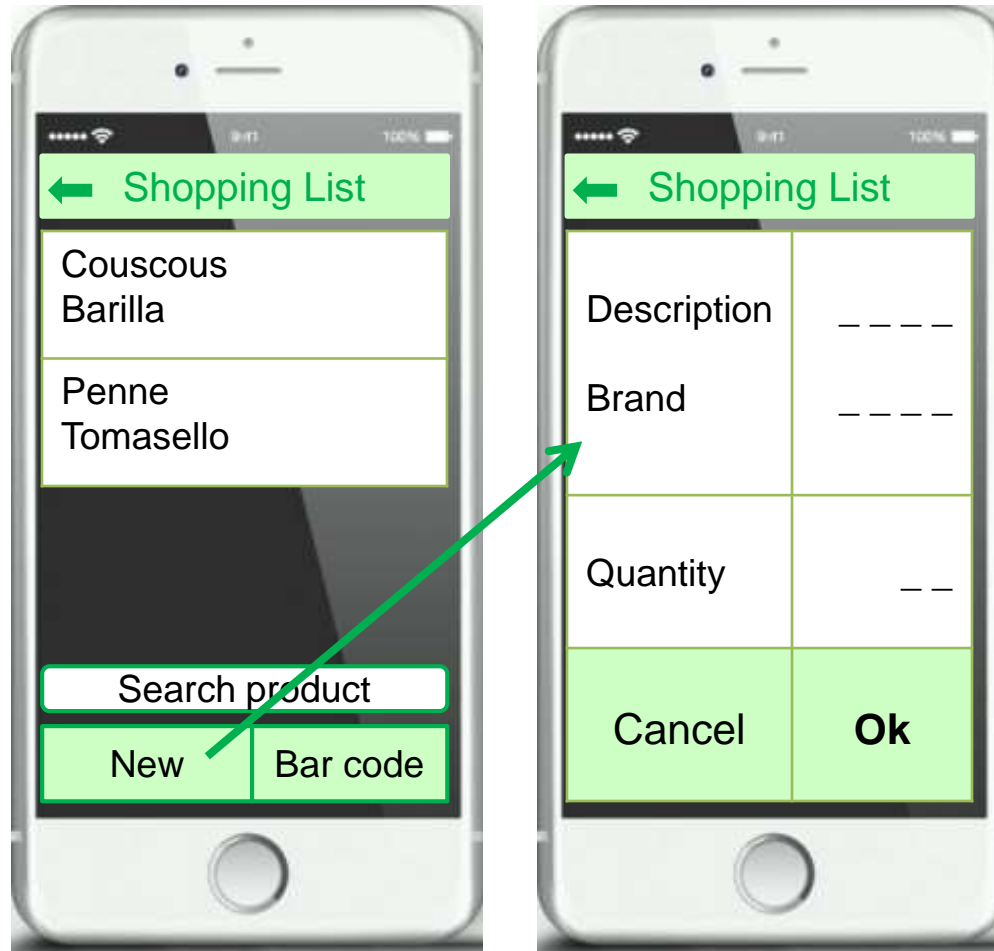


In the Shopping List you can search a product that you have bought yet, create a "new record" or use the bar code in order to include the product in the List.

# Intelligent Shopping
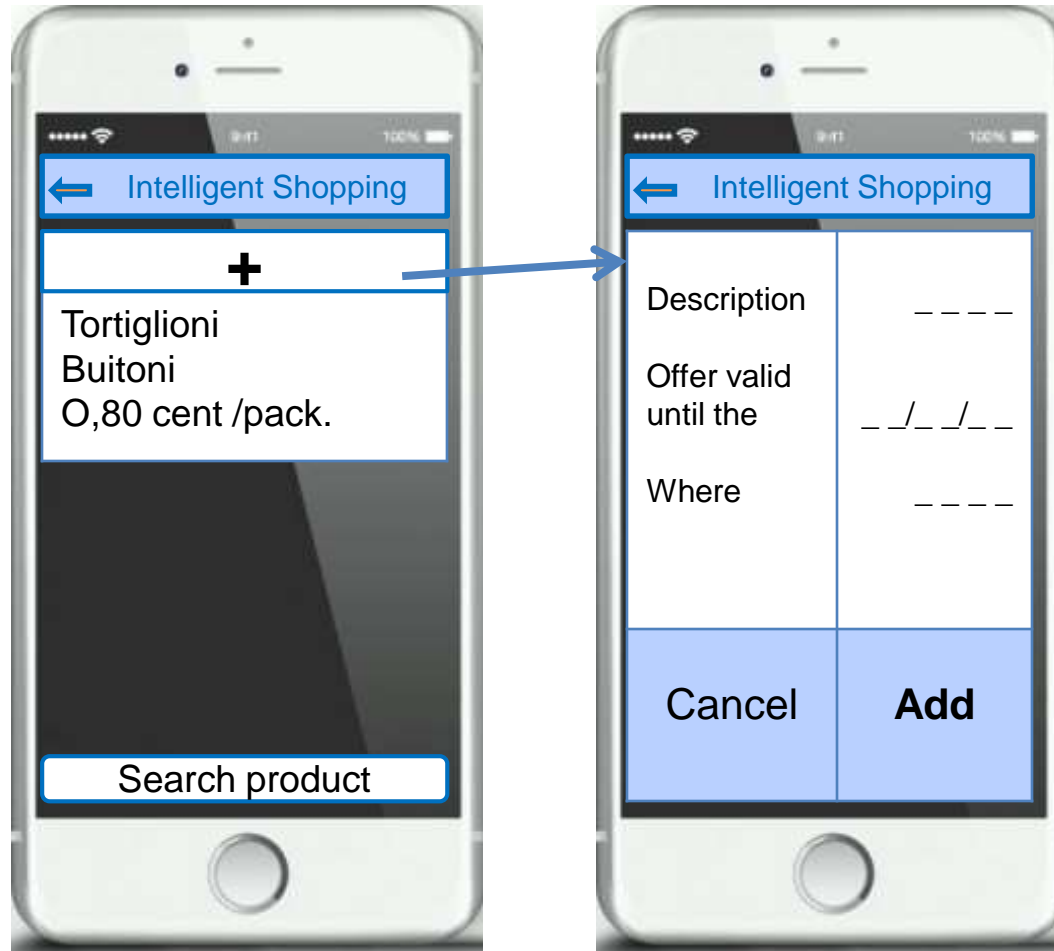


In this section there are offers suggested by the users.

# Waste and Alimentation
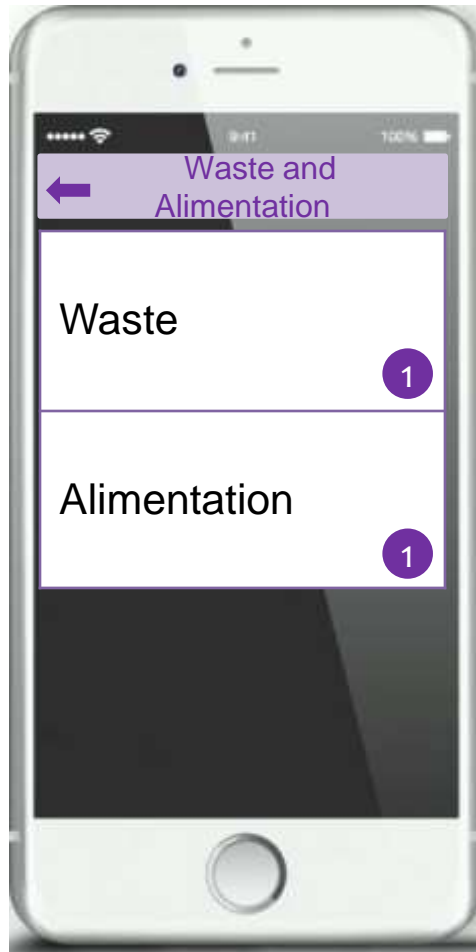


Circle: Every day the App shows a fact about waste or one about alimentation, which appears in the circle; you will open it by clicking on the box.

# Waste



Waste

According to the FAO, women are equal to men as farmers, but produce lower yields of 20/30% because they have less access to resources, especially in developing countries. Bridging the gap could reduce the number of undernourished people to 130 million.
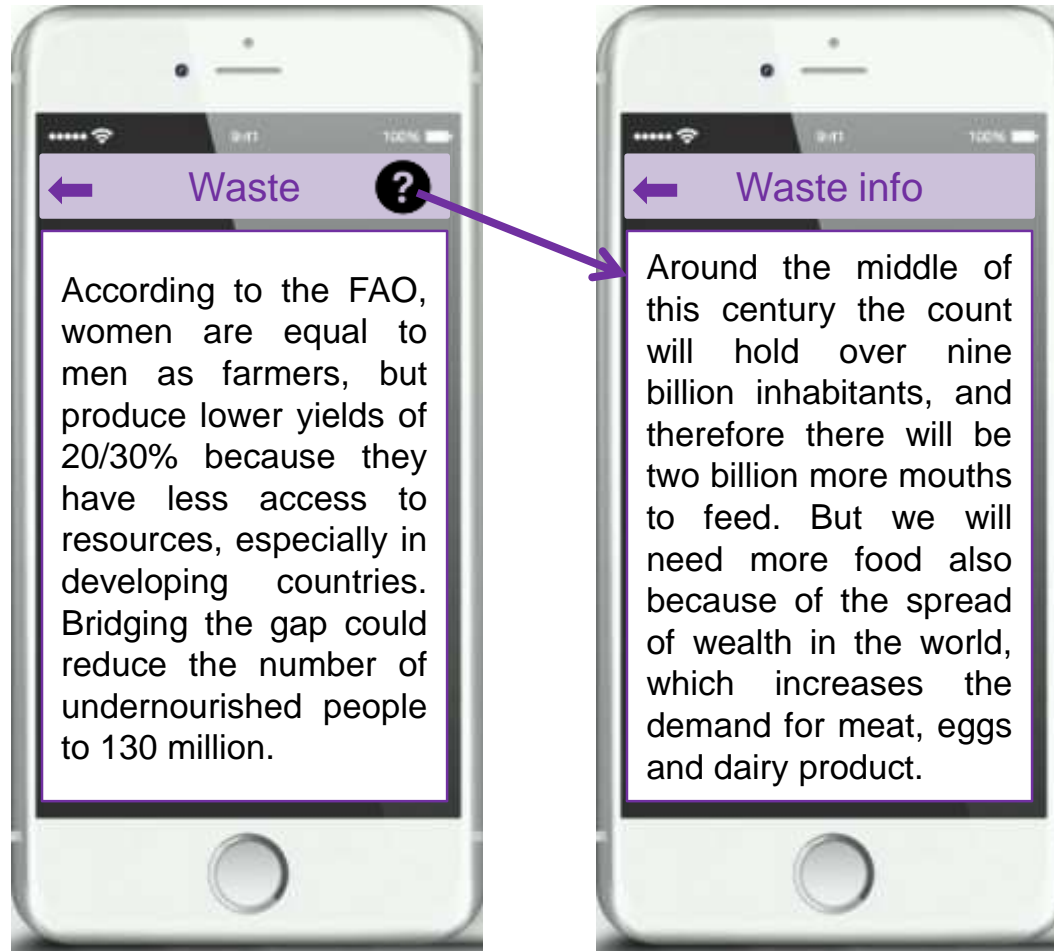


Waste info

Around the middle of this century the count will hold over nine billion inhabitants, and therefore there will be two billion more mouths to feed. But we will need more food also because of the spread of wealth in the world, which increases the demand for meat, eggs and dairy product.
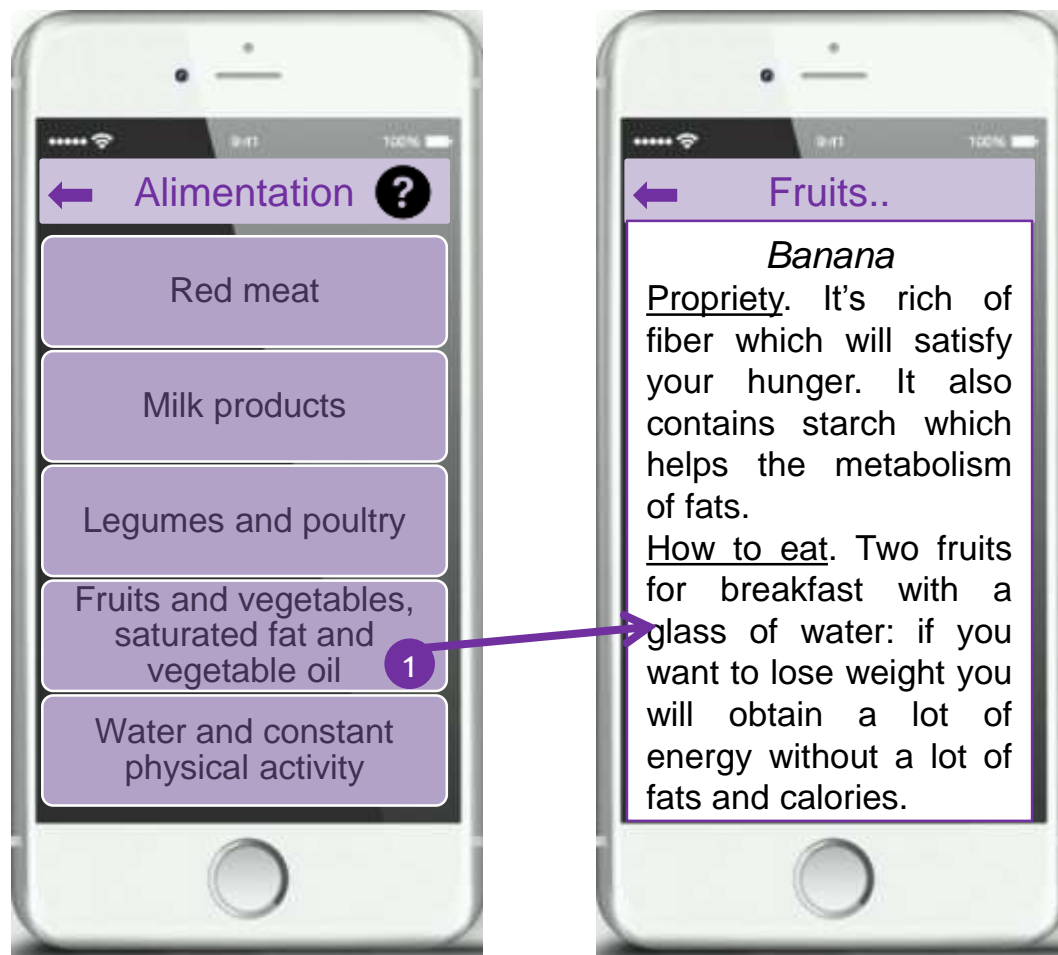
This box contains all the facts about waste and saving.

<u>Question mark</u>: sends you to the section where there are all the information about waste.

The entire list of the facts about waste and the one about all the information about it are attached to the presentation.

# Alimentation

### Screen 1: Alimentation

← **Alimentation** ❓

- Red meat
- Milk products
- Legumes and poultry
- Fruits and vegetables, saturated fat and vegetable oil ①
- Water and constant physical activity

### Screen 2: Fruits..

← **Fruits..**

*Banana*

Propriety. It's rich of fiber which will satisfy your hunger. It also contains starch which helps the metabolism of fats.

How to eat. Two fruits for breakfast with a glass of water: if you want to lose weight you will obtain a lot of energy without a lot of fats and calories.

---

This is an "alimentation pyramid": at the basis there is what you have to do and eat every day and on the top there are the products that you should eat once a week.

Circle: you will open the fact by clicking on the box.

Question mark: sends you to the section where there are all the information about an adequate diet.

The entire list of the facts about food and the one about and adequate diet are attached to the presentation.

# THE END

Thank you for the attention you paid to our project.