

Submitted by Group 18

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DIS1 WS 19/20 - Project Milestone IV
Low-Fidelity Prototypes

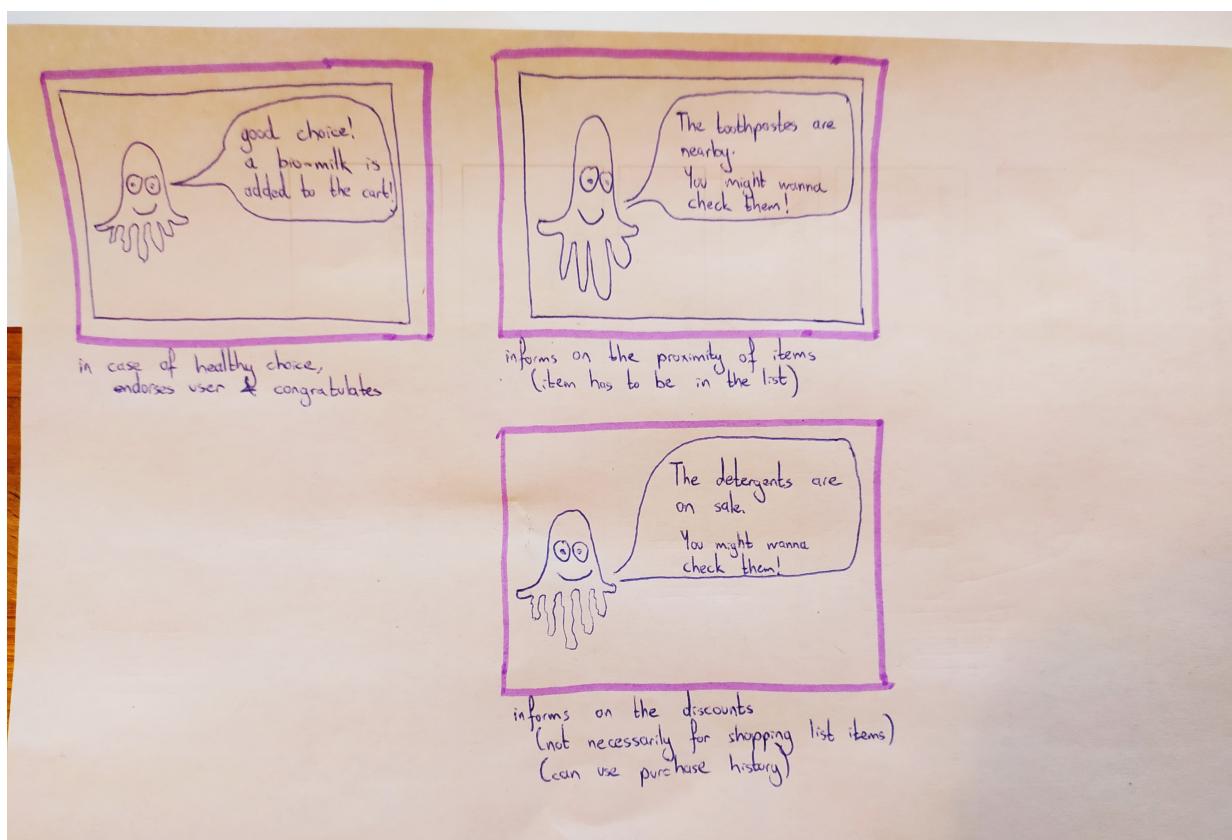
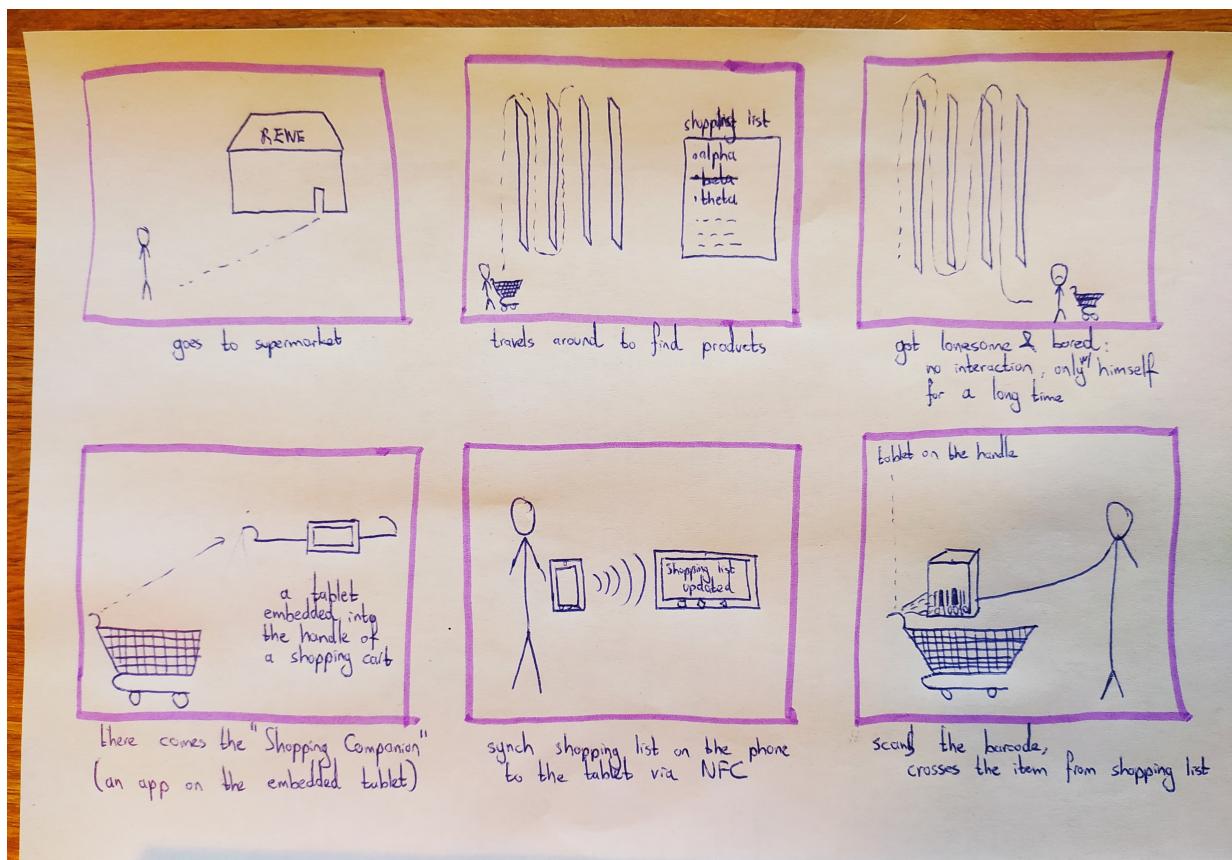
1 Low-Fidelity Prototypes

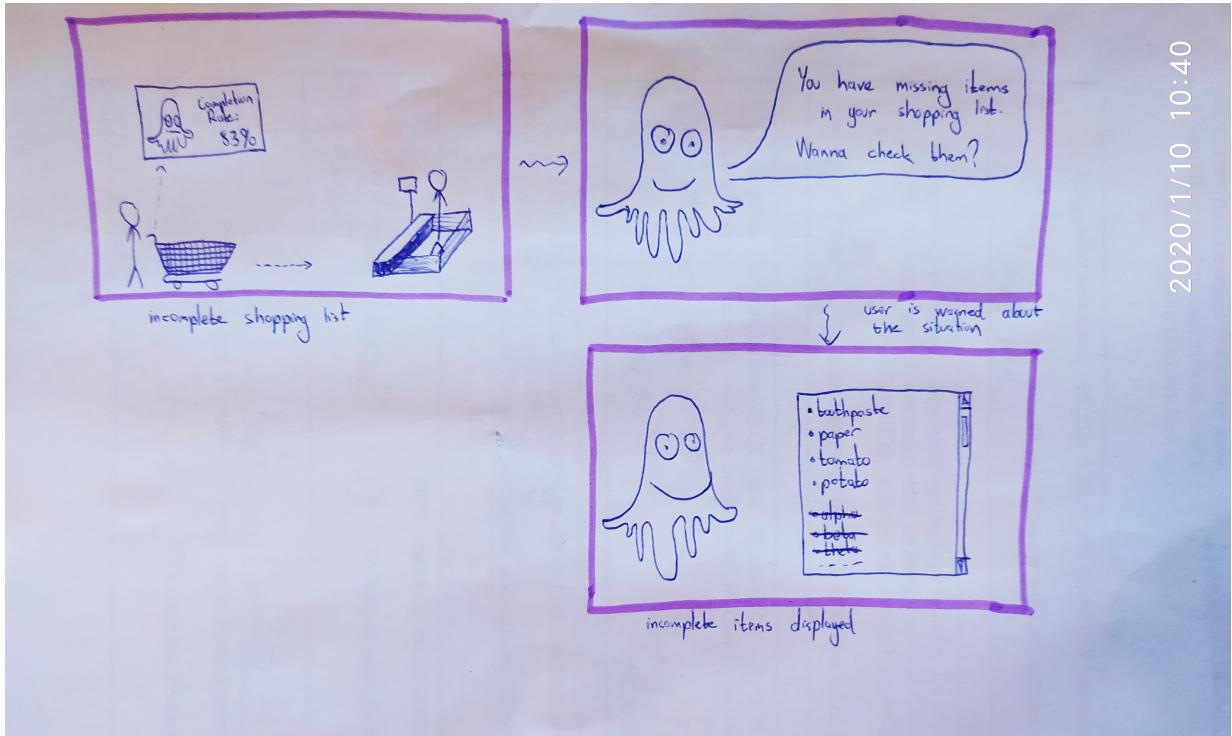
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1.1 Solution #1:

The **updated** storyboard for this solution:

(after the last discussion with our advisor, we decided to update this solution to bring more joy and enjoyment in it; and we stood away from pure efficiency)





1.1.1 Core Activities of this Solution

- synchronization of a shopping list, from a smartphone to the tablet attached to the handle of a shopping cart
- companion communicating with the user about the general shopping issues (discounts, completed percentage of a shopping list)

1.1.2 The Reason for Prototype Selection

We picked paper prototype, as we are designing a tablet application. The use of this product would be heavily depending on the interaction of a user with the graphical user interface of the application.

Although we did not glue those papers together, this prototype is designed with flipbook prototypes in mind, and will be adjusted to be displayed under a cardboard which resembles a tablet.

1.1.3 Prototyping Process Explained

We identified the core activities of this solution, as stated above. Based on those identified core activities, we also listed all the possible interactions of a user with the system. Those are:

- welcome screen
(Figure 1.1 top)
- synchronization of shopping list (from smartphone to tablet)
(Figure 1.1 bottom)
- barcode scanning, and removal of respective items from the list based on what is scanned
(Figure 1.2 top and bottom)
- notifications about proximity and discount of products
(Figure 1.3 top and bottom)
- incomplete cart notification
(Figure 1.5)

1.1.4 Prototype Itself

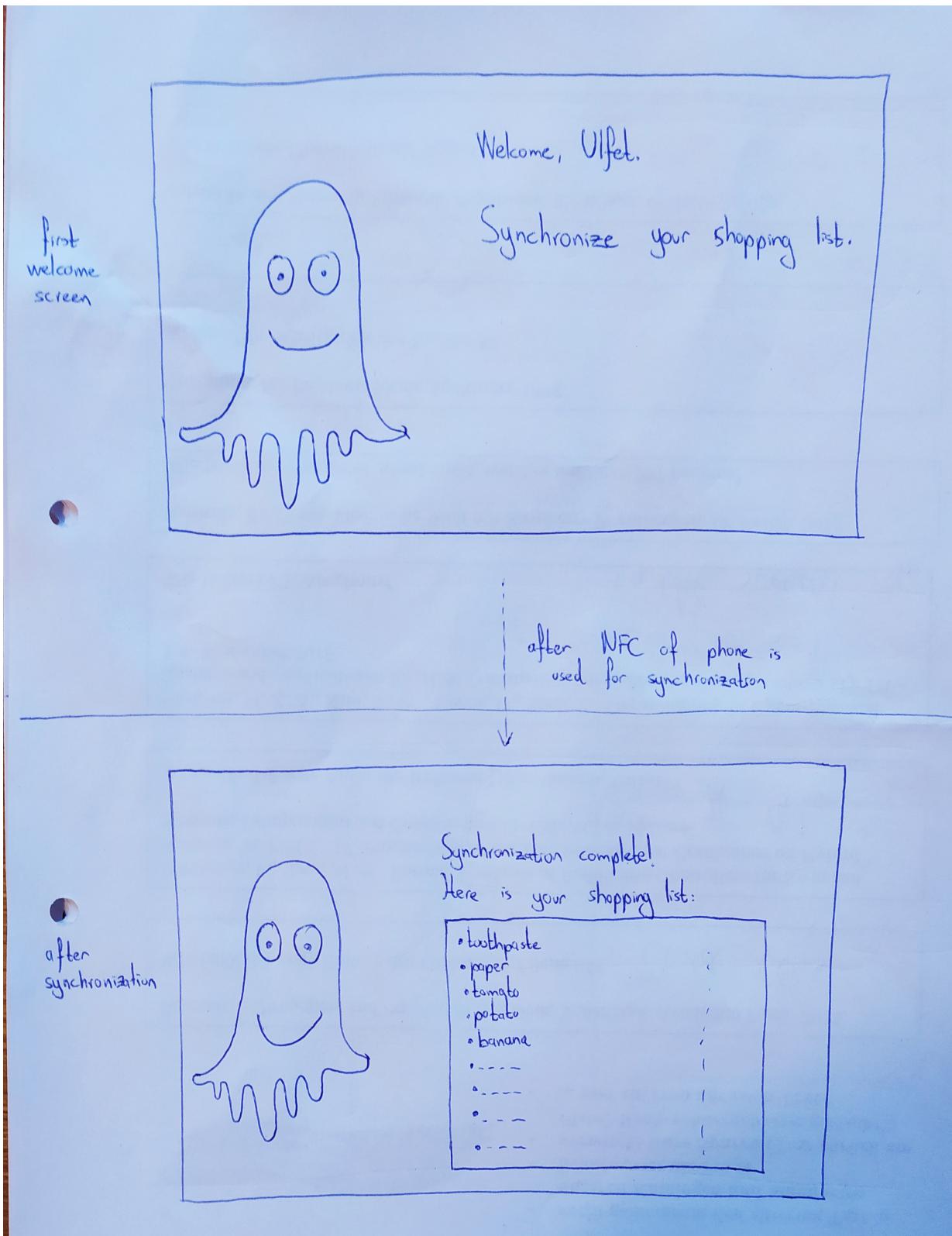


Figure 1.1: Top: The Welcome Screen for Synchronization & Bottom: after synchronization

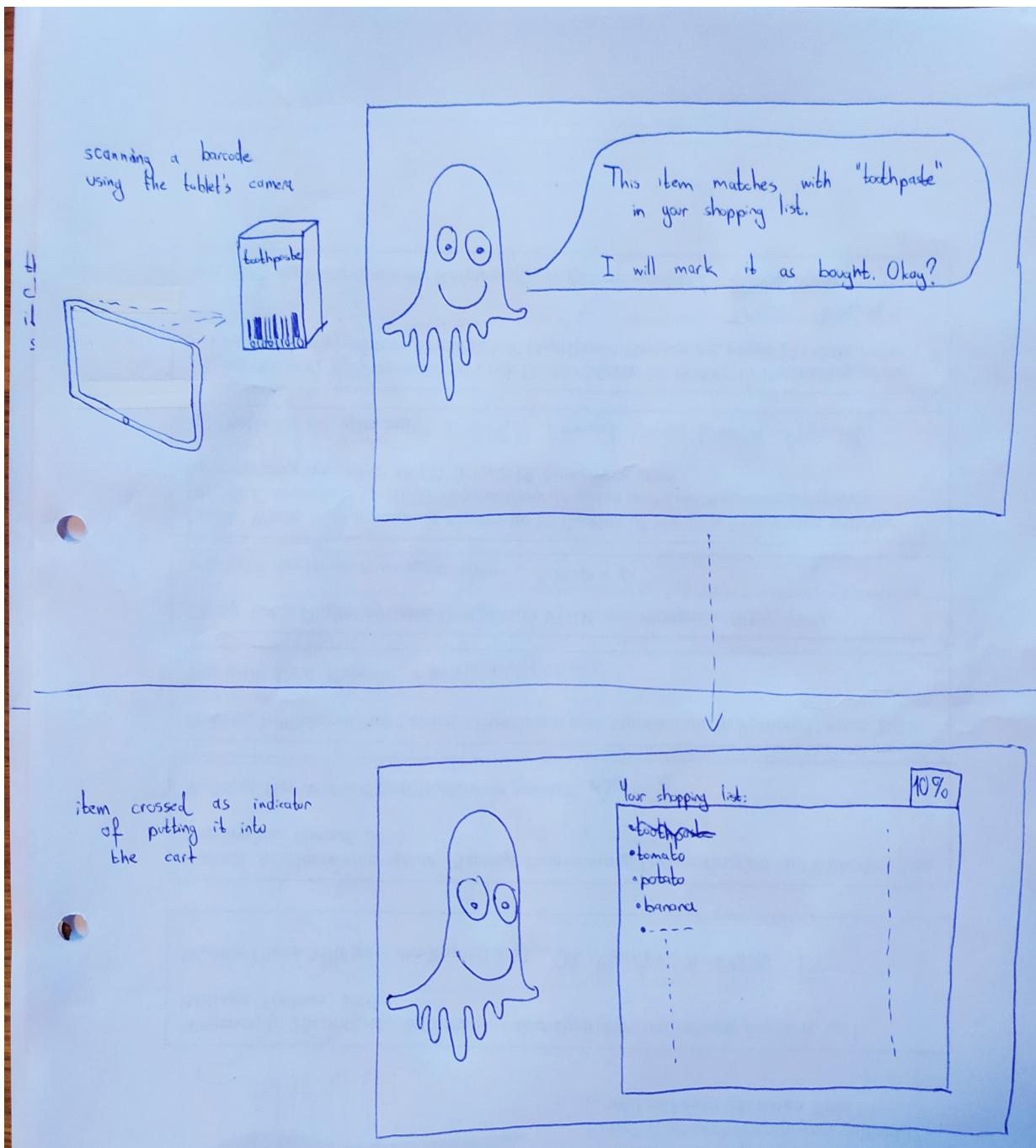
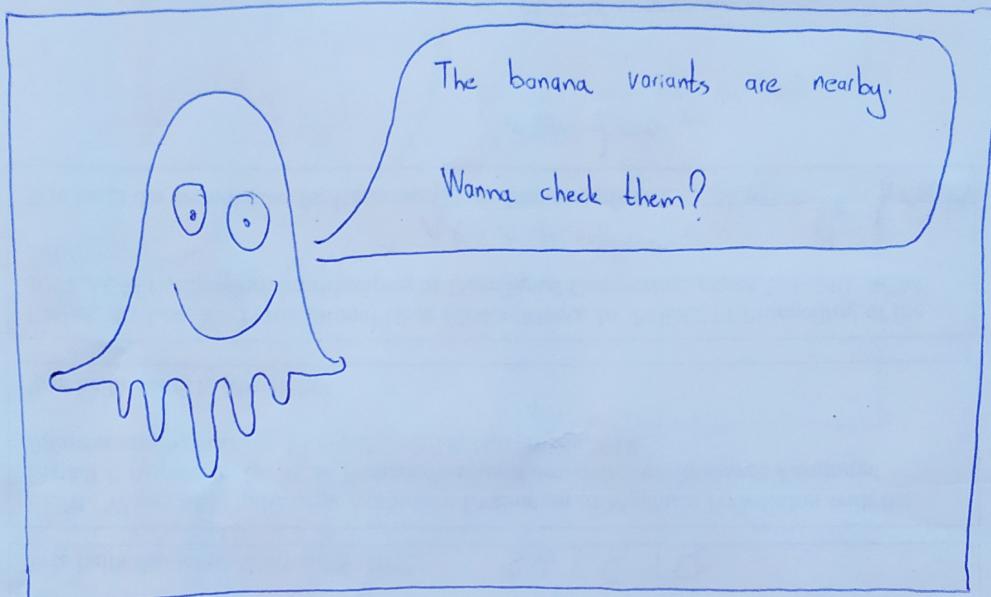


Figure 1.2: Top: Barcode Scanning & Bottom: Scanned Item Removed from the Shopping List

the user
close to an
item in the
shopping list



the user is
offered products
that are on
discount

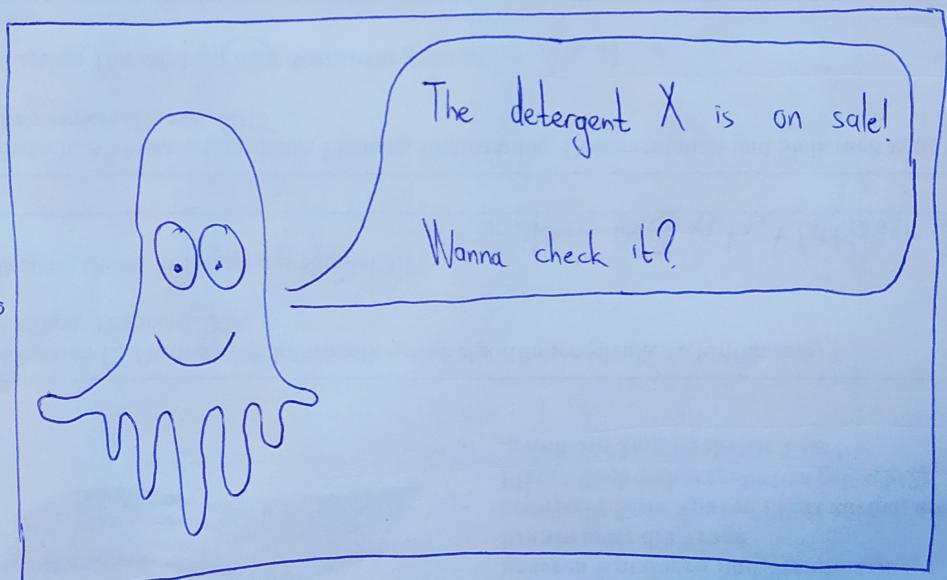
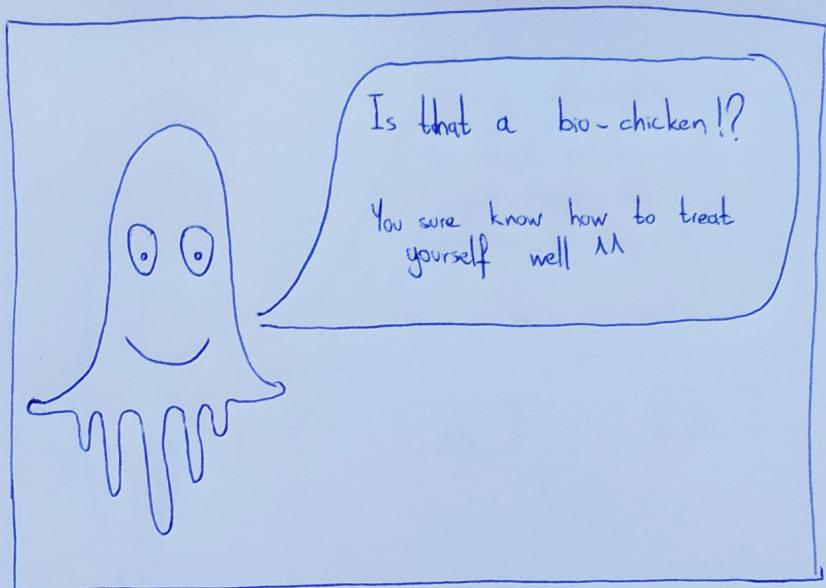


Figure 1.3: Top: Nearby Items Recommended based on Shopping List & Bottom: Discounted Items are Offered

User scanning
health-wise good
products



User scanning
health-wise dangerous
products

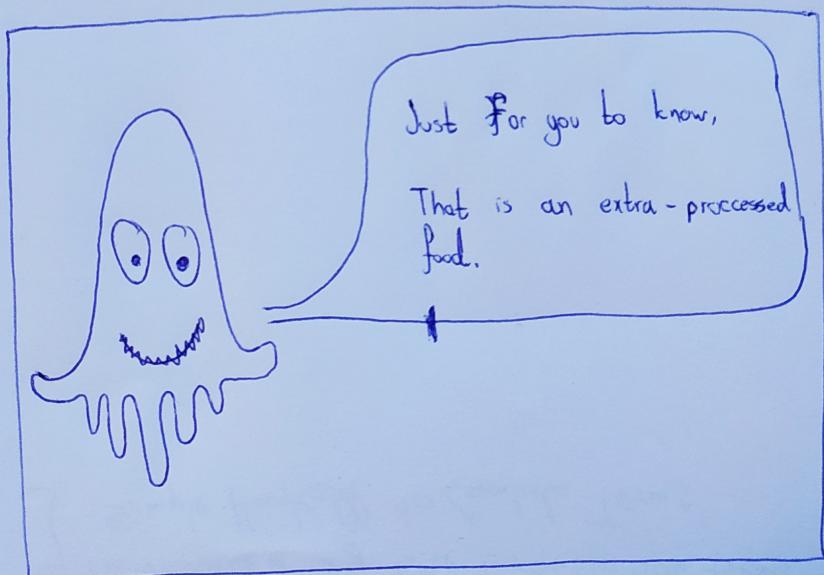


Figure 1.4: User Informed about the Quality of the Product

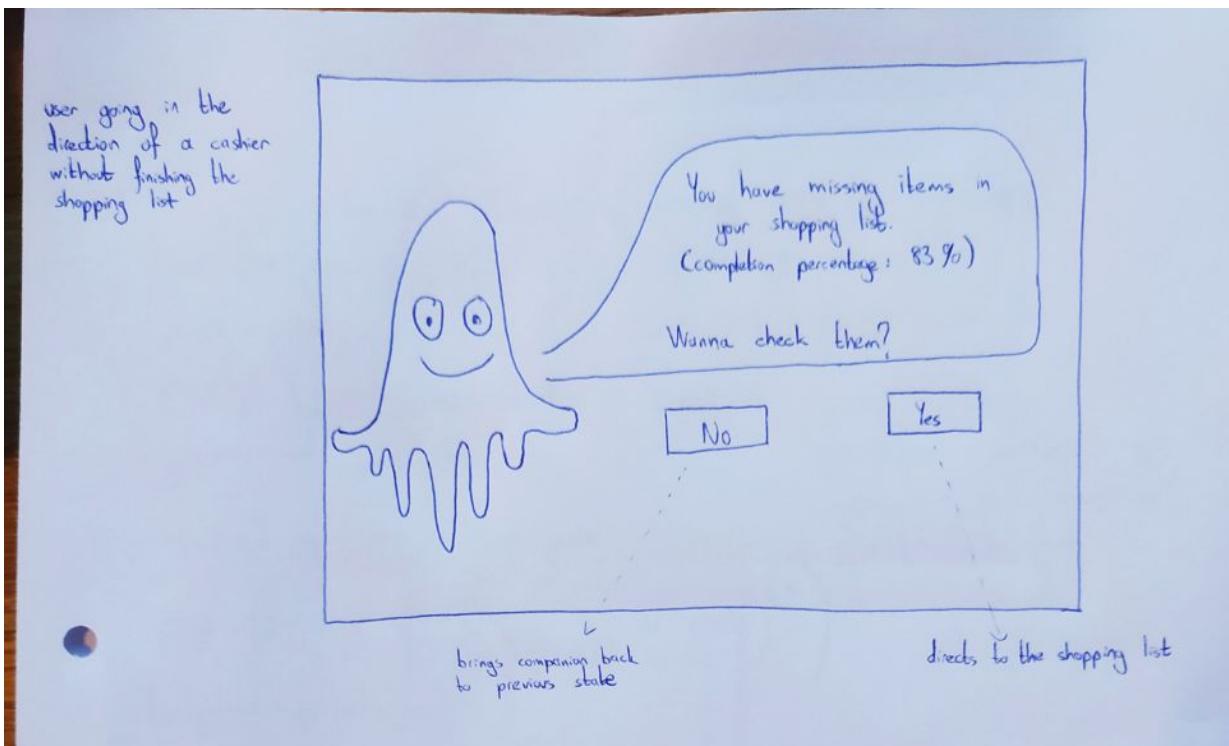


Figure 1.5: The Shopping List Completion Percentage: the user is notified about it in case it is not completed