



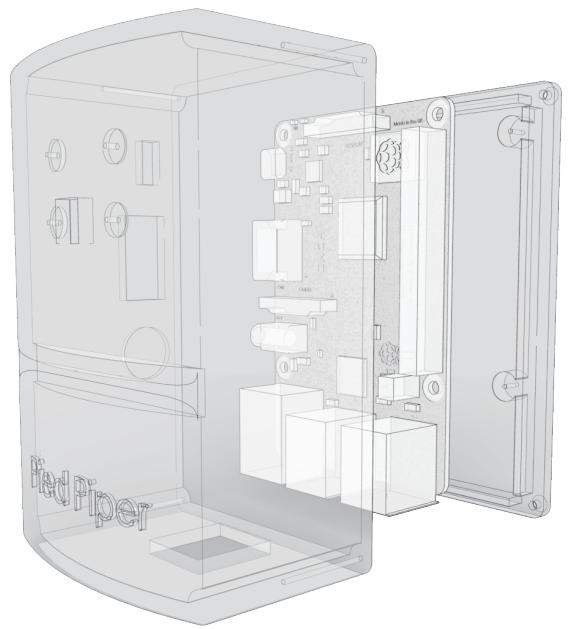
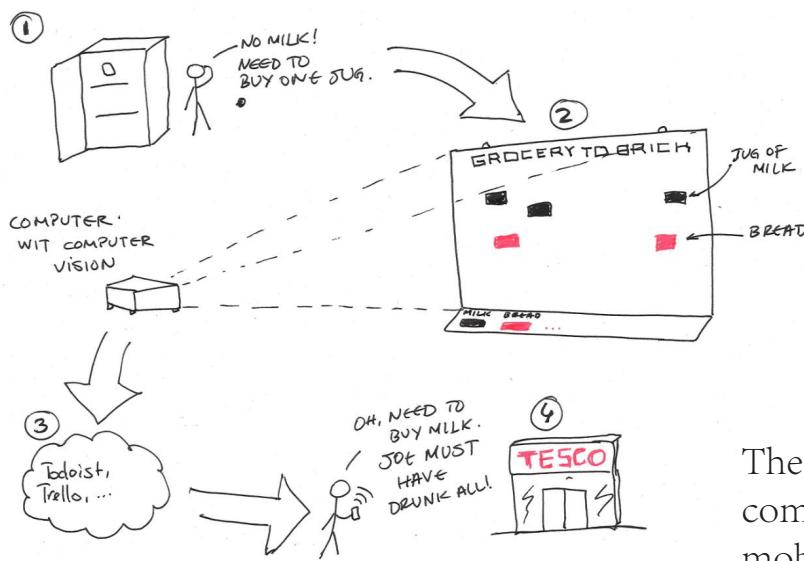
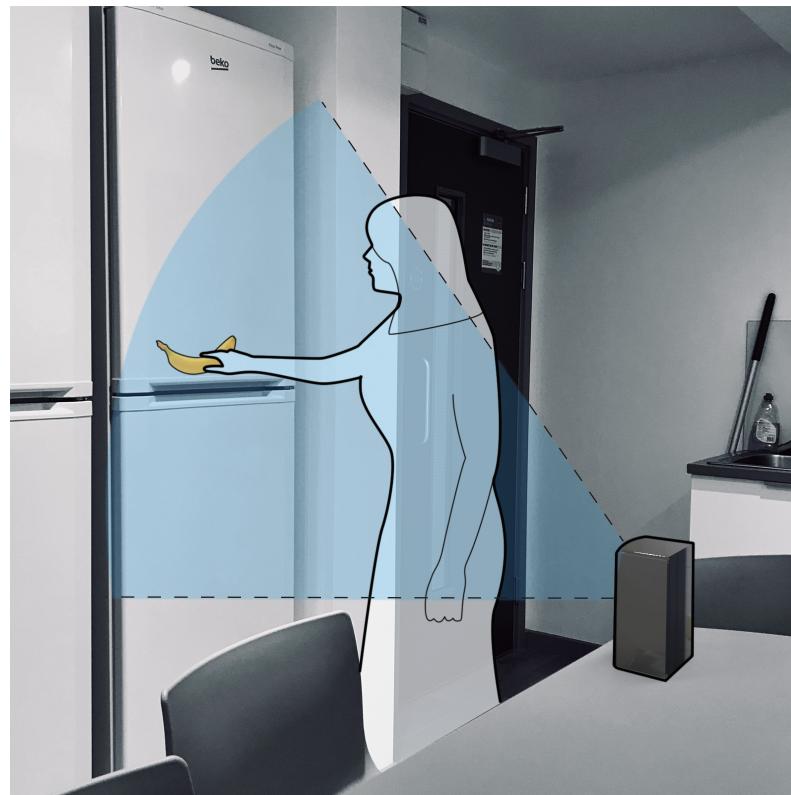
# BANANAPI:

## A TANGIBLE COMMUNICATIVE DEVICE

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Grocery-To-Brick is a task management system that organizes grocery list between flatmates. It mixes old-fashioned "pen and paper" and contemporary "fully online" styles of task scheduling.

The system uses fridge magnets to represent food items, computer vision to identify and map the magnets to the corresponding products, and cloud services to transfer the extracted list of groceries to mobile devices of all flatmates.



There are three main parts to the interactive communication: Raspberry Pi, magnets and mobile phones.

Raspberry Pi along with a camera supports image detection and processing, and data transfer. Magnets serve as a role of tangible interface, while mobile phones send messages to preset users.