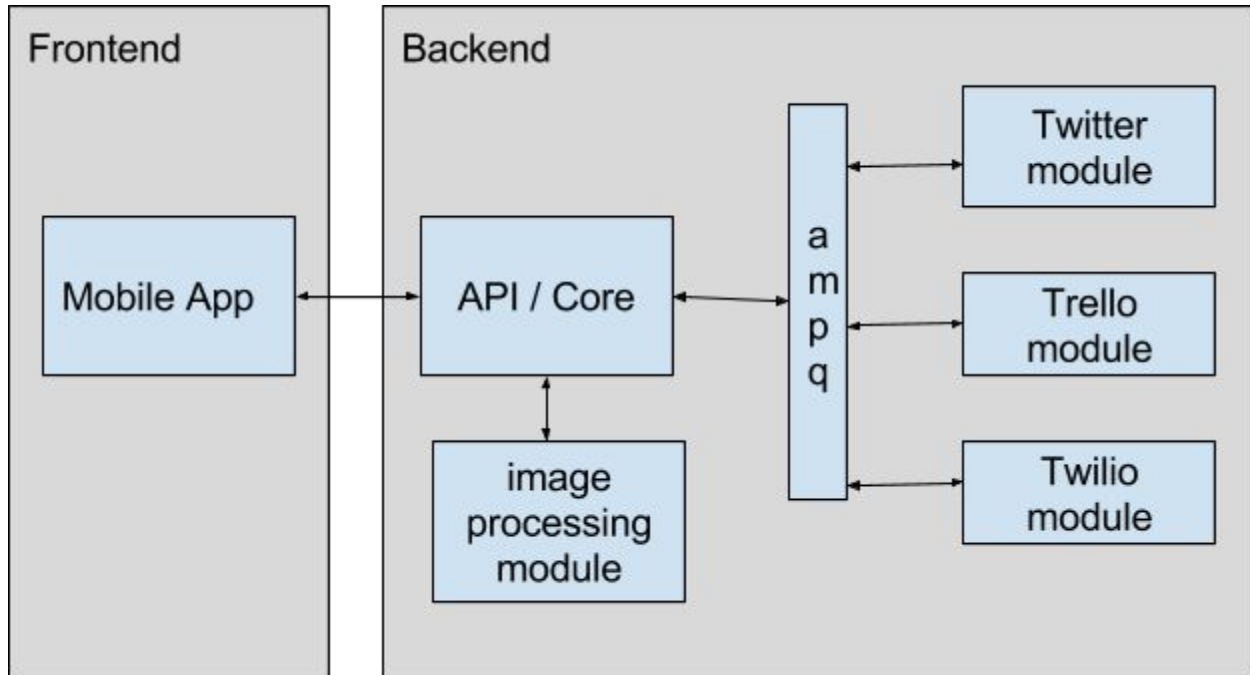# StickTrack

A smart item-labeling platform.

Architecture:

Mobile app:

- Use cases:
    - Scan any QR / bar code as an item identifier, add item labels, metadata (GPS coords, timestamp, user identifier) and save it
    - If the identifier found in the DB provide item info (in case the user is the same as the one who entered the item also provide possibility to delete it)
- Design
    - Something sweet - TBD
- Technology:
    - PhoneGap - JavaScript

API:
- Design
    - A model for the ITEM entity:
        - labels (FK)
        - location
        - id (bar / QR code value)
        - user_id
        - timestamp….

○ A simple REST-ful HTTP endpoint providing the interface between frontend and backend and simple ITEM operations such as list items / add item / delete item

Image processing module
- input: picture of the object containing QR code / bar code
- output: code value

Twitter module:
- Tweets out whenever item status has changed
- Respond to queries provided via tweet

Original proposal:

Title	*StickTrack - The Future is Now!*
Description	*StickTrack is a platform that finally brings order to ICCLab's fridge! (or any other multi user environment)* *Label your food with pre-printed QR codes (**stick**), scan it with your phone and let StickTrack do the rest - process QR code (cloud) and notify network (**track**). Other trackies can easily check food info simply pointing their phones on any item in the fridge. Twitter integration ensures that every item tweets out all the info such as item added by, item disposed by, item is about to expire, … and saves our fridge from a serious threat of rotten food.*
Idea supplied by...	*Vojtech (Team-V) but generally discussed in the successful corner.*
Who else may be interested	***Essential:*** *Android app developer (design, implementation):* *Backend dev (db, API endpoint, Twitter): Martin* *Backend dev (image processing): Vtech* ***Additional:*** *Web developer (design, implementation):* *Backend dev (twitter integration):* *TV app developer:*