

Distribution of tasks

The following tasks with corresponding responsibilities were identified:

Documentation

- continuously update the documentation (e.g. requirements.md) to the current state
- also check for spelling, typos etc.
- *responsible*: all

Labeling

- all available images must be labeled to be sent to the ML API
- what food is on the image, what is its ripeness
- *responsible*: all

ML API

- service: [Clarifai](#)
- *responsible*: Nils, Jörn

Middleware

- main programming language: Python 3
- functionalities:
 - take and access photos
 - image processing pipeline (e.g. resolution, separation)
 - Cloud API call, upload, and receive response
 - send data to backend (database)
 - trigger push notification (to slack)
- *responsible*: all

Database

- implement a database that stores pictures and text
- connects to middleware and interface
- preferably sqlite
- *responsible*: Chris, Liuba

Web Interface

- Webserver Apache & PHP5
- basic HTML/CSS interface that shows image, notifications and date
- *responsible*: Jörn, Liuba