StudentWise

Project Kick-Off

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# Target users

* Students who are living together with their peers in the same place (building) and use shared facilities, for example, toilet, bathroom, kitchen
* Companies or individuals who rent housing to groups of students

# Goals

* Improve and simplify the management of responsibilities each student has
* Track the events happening in the building and allow for planning new ones
* Introduce an easy way to keep track of expenses for shares items, for instance: dishwashing soap, paper towels, toilet paper
* Allow for reporting misbehavior or breaking the rules to the landlord - both personally and anonymously
* Incentivise students to stick to the schedule and fulfill their obligations
* Provide monitoring tools which will help reduce monthly expenses for the landlord

# Features

## Must-haves

* An account management system which allows for signing in and creating new accounts
* RESTful API running in the cloud, connected to the database and responding with JSON data
* A thin client which retrieves the data from RESTful API
* A system which tracks events in the building
* A system which keeps track of expenses

## Nice-to-haves

* Monitor the environmental conditions in the common area using Arduino
* Karma/points system which allows for flexible division of responsibilities

## Extras

* A notification system which after an arbitrary amount of time notifies the relevant students to return the due amount
* Provide optional 2FA with Arduino as a token

# Vision

We strongly believe our application could simplify the life of every student who will be using this system. Furthermore, it will reduce the number of communication issues between people.

While planning this project we had scalability in mind, thus, the system should work perfectly for any number of users after an appropriate configuration.