

# APP TITLE?

Design and Implementation of Mobile Application Project

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# 1 Document purpose

This document contain a brief description of the application showing the main concepts, we haven't gone in a deep application design yet so something could change during the development.

# 2 Main goal TODO

Help apartment mates to deal with the daily domestic problems such as payments, failures, timetables etc...

# 3 Application functions TODO

## 3.1 Basic functionality

- Payment manager
- Failures report
- Organize custom timetables
- Indicate anything on a "master" apartment calendar
- Missing stuff

## 3.2 Other functionality

- Report the apartment presence periods
- Ask for an apartment zone to remain empty for a certain period

# 4 User interface

Follows a list of all the possible screens.

- **Login/sign up screen**;
- **Join/create apartment screen** - in which the user can join an apartment or can create a new one.
- **Main screen** - made by a "tab" navigation, follows a list of each tab content:
  - **Notifications tab** - in which are listed all the notifications, differently labeled according to the their type;
  - **New action tab** - where the user can handle all the functionalities the application offer, selecting one of those. Selecting one action a new specific screen will be show to the user;
  - **Calendar tab** - shows a "monthly" calendar where are marked different types of events;
  - **Profile tab** - shows profile, apartment and settings information.

# 5 Development framework

We have decided to adopt **React Native** for the application development.

# 6 Server connection

The application will have a connection to an external server which main function is storing users data. Probably we are going to exploit one of many cloud services such as Firebase.