Product Backlog

Homekeeper App
Team 9
William Huang, Jacob McKesson, Grayson Ricketts, Tanner Strom

Problem

In the modern era people are constantly on the move which makes old, written methods of communication obsolete since they can only be changed from one location. Today we need one, mobile method to communicate between members of a household in order to keep up with everybody's daily lives. Current technologies do not offer a complete experience that a household needs; our project will tie together all current, small scale technologies into one complete experience.

Background

Audience

Living with other people requires communication and coordination. Keeping track of what the household needs, what needs to be done, and who owes who can quickly become tedious. Yet, most people live with one or more people.

Existing Applications

There already exists iOS apps that try and make living together easier. There are apps to keep track of debts, share grocery lists, keep track of chores, and chat. In fact, there is an app called Homeslice that attempts to bring all of the previous apps together.

Limitations

Homeslice is slow and much of the functionality automatically ties into a collective billing tracker that some users may not be interested in. Our app will not stutter and will be focused on a larger audience that wants to live together, but not necessarily bill each other for everything.

The individual apps do their area exceptionally well. However, they are separate app, so it is difficult for a household to use all of them because each roommate has to register for each app and then consistently use each app. Our app will combine these separate tasks into a single app.

Requirements

Functional

- As a user, I would like to be able to make an account
- As a user, I would like to log in with Facebook
- As a user, I would like to be able to create a households
- As a user, I would like to be able to join a household (max of 15 people)
- As a user, I would like to have a way to remove myself from a household
- As a user, I would like to be able to be in multiple groups at the same time
- As a user, I would like to be able to change my account password or change it if forgotten
- As a user, I would like to add an object to the groceries list
- As a user, I would like to remove an object from the groceries list
- As a user, I would like to add a task to the to-do list
- As a user, I would like to remove a task from the to-do list
- As a user, I would like to sync calendars with other users
- As a user, I would like to see everyone's calendars
- As a user, I would like to be able to chat with other users
- As a user, I would like to be able to share multimedia content in a chat session (if time allows)
- As a user, I would like to be notified when an important event is happening
- As a user, I would like to notify other users of an event happening
- As a user, I would like a way to track money someone owes to me
- As a user, I would like to be able to securely pay other users (if time allows)
- As a user, I would like to be able to alter my notification settings

Non-Functional

- As a user, I would like to be able to be able to access the app from any iOS device
- As a user, I would like to have a fluid user experience with fast response times
- As a user, I would like to have a simple and intuitive user interface
- As a developer, I would like to securely process payments through the Venmo API (if time allows)
- As a developer, I would like to store users' data in a remote database
- As a developer, I would like for the database containing the information about the users and households to be scalable
- As a developer, I would like for the databases containing the lists for each household to be scalable
- As a developer, I would like for the database to sync with users' devices
- As a developer, I would like to use the client server paradigm

- As a developer, I would like to have a convenient local server to test functionality
- As a developer, I would like to limit client side processing to improve user experience