

Product Backlog - Roomedy

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Problem Statement

Roommates, even the good ones, struggle with communication. Until now, there has been no singular solution to help roommates gently remind each other and keep track of everything in their house. We plan to provide the one-stop solution for roommates to check on each other and keep track of everything from their debts to the contents of their fridge. Other solutions to roommate management exist, however ours is different in that it allows you to take all actions, such as paying your share of the bills, without leaving the app through integration with services most people already use. Other solutions simply provide reminders, we provide you resources to act.

Background Information

There are many aspects of living with roommates that can be difficult to manage. Fiscal responsibilities can be mismanaged due to poor communication or unmatched expectations and chores are not always divided evenly. Our app, Roomedy, seeks to provide a one-stop solution to help alleviate these issues and make life simpler for roommates. We seek to deliver a modular application that can be molded and updated to address the needs of all roommates across the world.

We acknowledge that there are already services out that provide a similar service for roommates. However, while services like Homeslice and Goodmate allow you to send messages to your roommates and keep track of grocery lists, they don't allow you to pay for the groceries your roommate bought within the application itself. Services like Splitwise allow you to keep track of you and your roommates' financial information, but don't keep track of what you have in your home, and what you need. Our application, Roomedy, will provide one location for you to do everything you need to manage your home and your roommates, using services many people already use. With modularity as a focus, we will be able to constantly push out product updates based on consumer needs and feedback. Other apps are built with the initial features in mind, ours is built with the knowledge that consumer needs evolve and our application will need to grow with these needs.

Requirements

Functional Requirements

Financial

- As a user, I want to be able to pay or request money from my roommates.

- As a user, I want to be able to keep track of how much my roommates owe me.
- As a user group, we want to be able to pay our bills by splitting up the total cost.
- As a user, I want to be notified when bills are due.
- As a user group, we want to be able to pool money together for group expenses.
- As a user, I want to keep track of my monthly expenses, and see statistics about my financials.
- As a user, I want to be able to do all of this using a common service such as Paypal or Google Wallet.

Inventory

- As a user group, we want to be able to have a common shopping list.
- As a user group, we want to be able to maintain a list of our current food and supplies.
- As a user group, we want to know how much our inventory is worth, based off of average prices of our items or the price we enter.
- As a user, I want to be reminded of items that I commonly purchase.
- As a user, I want to be suggested cheaper alternatives to items on my shopping list. (if time allows)

Reminders and Events

- As a user, I want all of my events synced to my calendar.
- As a user, I want to receive text, email, and push notifications of events on my calendar.
- As a user group, we want to have a common calendar with all of our schedules.
- As a user, I want to be able to send global notifications to my group.
- As a user, I want to receive text, email, and push notifications when a financial event happens.
- As a user, I want to be able to opt out of notifications.
- As a user group, we want to be able to have a rotating schedule of chores.
- As a user group, we want to be able to pin messages to a message board.
- As a user group, we want to be able to set up a voting system to make group decisions. (if time allows, mainly for larger scale houses)
- to be able to receive common notifications about new events made to the common calendar.
- to be able to send messages to one of the house members.

Account Management

- As a user, I want to be able to start a house account, and then invite other users.
- As a user, I want to be able to create a personal account.
- As a user, I want to be able to manage my personal account (change password, change profile photo, etc.).
- As a user, I want to be able to recover my account if I forget my password.
- to be able to edit my personal information.
- As a user, I want removing users that do not live with me anymore.

- As a user, I want to be able to access the website on my phone without trouble.

Non-Functional Requirements

- As a user, I don't want any chance of the service being down if I need to pay a bill.
- As a developer, I will want to easily deploy builds with no downtime.
- As a developer, we will require dedicated hosting for our server software.
- As a sysadmin, I want to be able to easily scale the service.
- As a user, I want a secure service taking no chance with payment and private information.
- As a user, I want a design focused on effectiveness and ease of use.
- As a developer, I want modularity of features to allow for future proofing of the application, allowing easier development of new features later on.
- As a user, I want my transactions to complete quickly.
- As a user, I want my notifications to appear on time.
- Must be compatible with all major Web Browsers.