# Roommate Ledger Design Document

## What is Roommate Ledger?

Roommate Ledger is an app that manages finances amongst roommates. The goal is to provide an easy method of keeping track of purchases so that people who live together can find out how much money they are spending and whether or not money is owed to one another.

## What is the purpose of Roommate Ledger?

Finances can often cause fighting and stress for people who live together. Roommate Ledger seeks to alleviate this pain by making it easy to keep track of purchases made for the mutual benefit of a household. For example, next time you buy groceries for you and your roommates, you can easily enter the total cost of the groceries into your phone using the Roommate Ledger app. This way, your roommates will know exactly how much you paid for the groceries, and the app will let them know what their portion of the cost will be.

## Who is Roommate Ledger for?

Roommate Ledger is not just for college roommates sharing a house. This app can be used any time you need to quickly and easily figure out how to divide money amongst a group of people. For example, next time you need to plan a party, create a ledger for you and your co-planners so everyone can keep track of how much they have spent on party supplies.

## What features does Roommate Ledger have?

* Roommate Ledger will have an account associated with your mobile device so that only you can view and manage your ledgers.
* Roommate Ledger will allow you to create multiple ledgers, so you may have a different ledger for each budget you need to keep track of.
* Roommate Ledger will include the following views:
  + A home screen that displays all ledgers associated with your account.
  + A page for showing the details of one ledger, including recent purchases and payments
  + A roommate page for displaying current roommates included in a ledger as well as balances for each roommate.
  + An add page for adding purchases and payments to a single ledger.
* Roommate Ledger will allow you to invite other people to install the application and join your ledger so that they will be able to contribute to and view the ledger as well.
* Roommate Ledger will allow you to add amounts for purchases and payments into the ledger, and will automatically update the balance and owed amounts accordingly.
  + Note: A payment is when one member of the ledger gives money to another member of the ledger, thus eliminating the corresponding amount owed.
* Roommate Ledger will provide the creator of the ledger with admin access.
  + Admin access allows a user to delete the ledger, add or delete members, or award admin access to other members of the ledger.
    - Note: a member may be added to the ledger without actually possessing the Roommate Ledger app.
* Roommate Ledger will by default notify all members of the ledger when a purchase or payment is added to the ledger, but will have options to disable such notifications.

## What platform is Roommate Ledger built on?

Roommate Ledger will be deployed on the Android platform. It is possible that it will also be deployed on iOS in the future.

## How much will Roommate Ledger cost?

Roommate Ledger is free. It is possible that a pro version with some added features will be offered in the future.