

# CS 180 Split Team Design Document

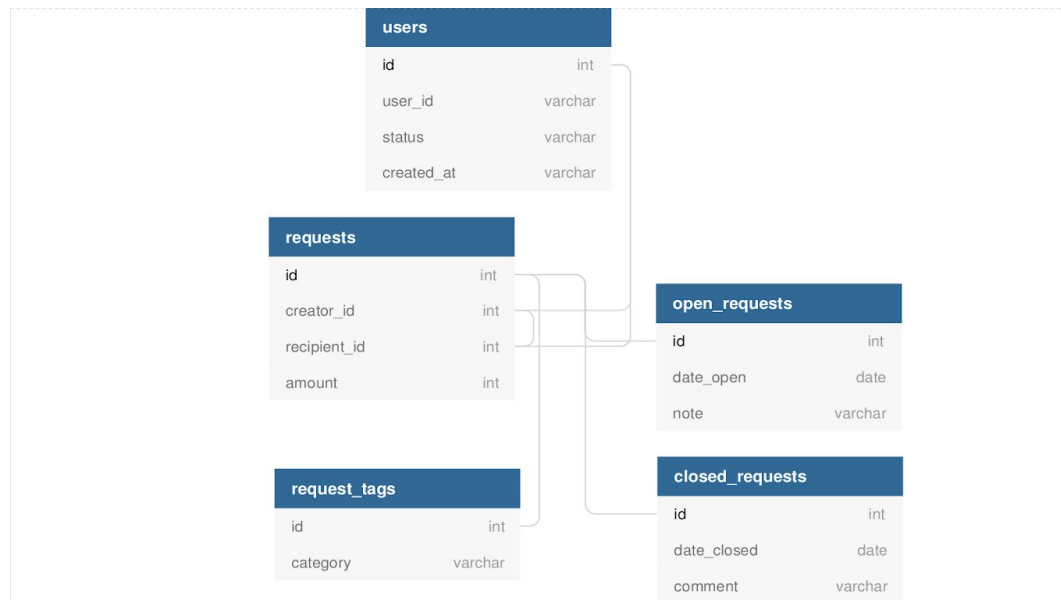
## Overview

Split household bills with roommates, to figure out costs for a group vacation, or just to remember when a friend spots you for lunch, view your balances, track spending trends, set up email reminders for bills, and much more!

## Design

### Database

Using Firebase, we will have our data organized as in the provided ER diagram.



### User

This class holds the unique user ID number, username, password, fullname, picture, and location and uses these private variables to create a user profile in our webapp, Split. Users will be able to search for other users to create requests and vice versa.

Bare Minimum:

Unique user Id number:

Username:

Password:

Full name:

## Request

The request class has a unique request ID number, amount requested, tags pertaining to the request, a creator and recipient. Users will be able to send requests, send reminders, as well as close/complete requests when they are finished.

Bare Minimum Request:

Recipient:

Amount:

Comment: (optional)

## Alternatives Considered

## Testing

Unit Testing will be performed using a JavaScript testing tool. (probably one of this list:)

<https://www.pixelcrayons.com/blog/web/top-5-javascript-testing-tools-for-your-web-developer/>

\*(Testing should be completed before branching to github)

## Roadblocks

