Team number: 16-3

Team name: Wallet Wizards

Team members:

Name	GitHub username	Email
Noah Bays	NoahBays	noba1295@colorado.edu
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Application name:
Divisible by Wallet Wizards

Application description:
This platform will provide an easy way to automatically manage expenses for groups from all walks of life. Primarily designed for friend groups who struggle to track shared expenses, but could be applicable for business trips or vacationing friends/family as well. Venmo is solid for individual connections at the moment, but fairly informal and limited in scope. This app will integrate some of venmo's best features and expand their uses, with more options so group settings can be tailored to individual group needs/preferences.

Functionalities (discussed in meeting):
The app will primarily be a monetary transfer app. For this, we will use Paypal and Venmo to manage transactions. Like Venmo, you will be able to send and request money between individuals, but unlike Venmo, you will also have the ability to create and manage money between groups of friends as well. Group settings include percentage cuts vs equal split, group owner, who can request and send money in a group, etc. All transactions will be dated, and all will have a small description of the charge, allowing for easy manual tracking of money as well. There will also be options to send push notifications to users who have an outstanding balance with you.

Vision statement:

For groups of friends, **who** want to make card splitting easy. [product name] is a web app for tracking expenses between friends.

Version control:

Github Repo

https://github.com/NoahBays/Group-3-Repository

Folders added to repo

Development methodology:

We will use an agile methodology. During group meetings, we will decide what features/fixes each person needs to work on next. Each person will keep a branch that they can use for their features and changes. When their code is ready, it will be pull-requested, reviewed, and merged. Then the cycle will start over.

As for ticket tracking, we will be creating and populating issues in the Github repo's Projects board.
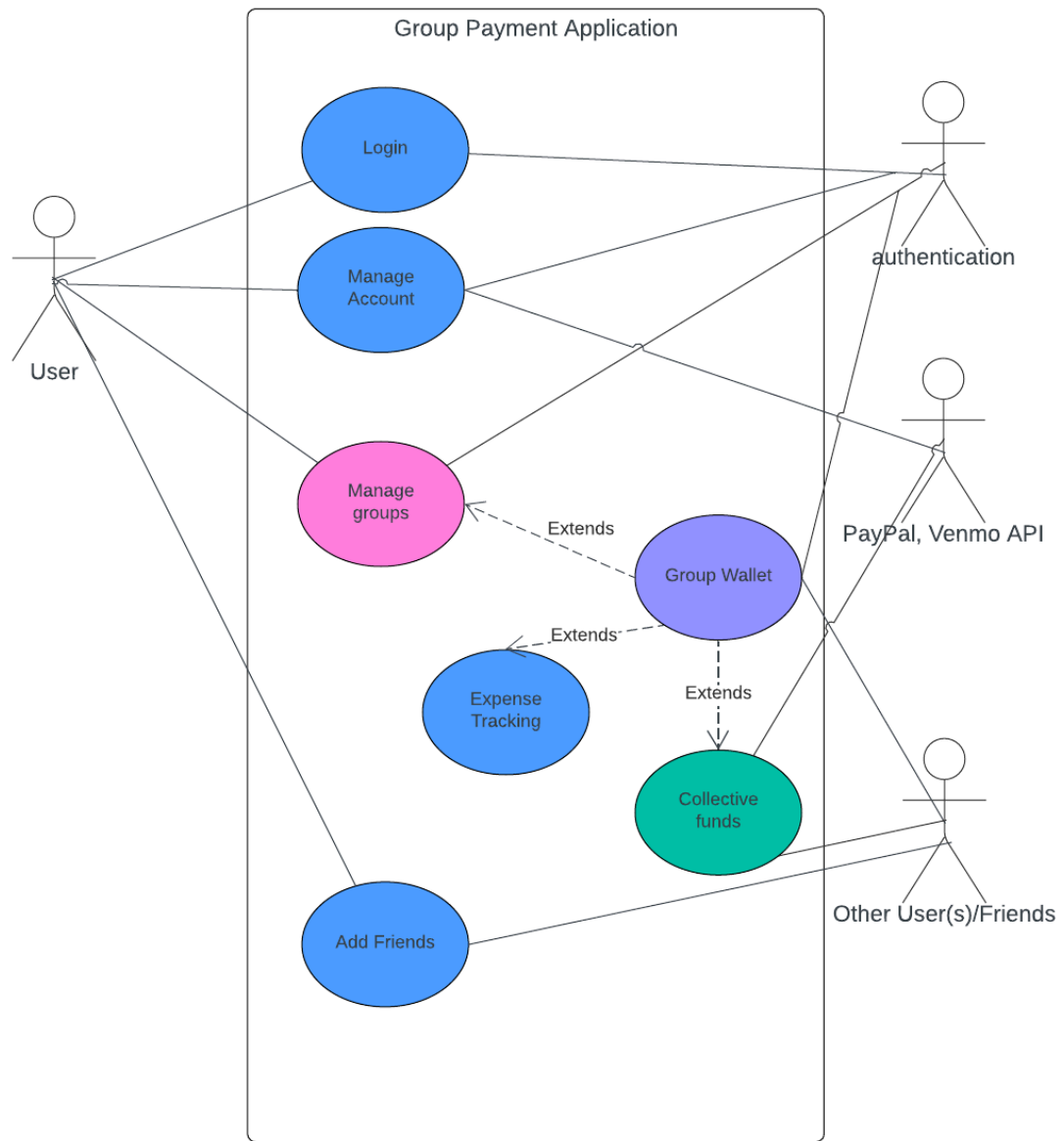
Communication plan:

The primary communication method will be through the group text and supplemented by Zoom calls when necessary.

Meeting plan:

Team Meeting: Weekly on Tuesday 2:15 - 3:15, in person in the EC
Weekly Meeting with TA:

Use case diagram:

Group Payment Application

Login

Manage Account

Manage groups

Group Wallet

Expense Tracking

Collective funds

Add Friends

User

authentication

PayPal, Venmo API

Other User(s)/Friends

Extends

Extends

Extends

Wireframes:

Login

username/email [ ]

password [ ]

+Group   +Friend

Groups
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Friends (name + pfp)

◯ ~~~~   ▢ Outstanding Balance

◯ ~~~~   ▢

◯ ~~~~   ▢

Group Name

⚙ settings

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charge name, amount, description, date

(Notification)

message partial

[Charge name]

[amount]

[Cancel] [Pay w/ Venmo] [Pay w/ PayPal]

bring up numpad

[$]

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charge name, date, amount, desc