Team Number – 015-5

Team Name – Team Even Steven

Team Members:

Member Name	Github	Email
Xavier Pena	xpena10	xape2951@colorado.edu
Alexander Drozdzewicz	Alex-Drozdzewicz	aldr5574@colorado.edu
Gilberto Corral	GCorra19	Gico5406@colorado.edu
Shaan Chauhan	shaanCh	Shch8555@colorado.edu
Austin Lammers	AustinLammers	Aula3830@colorado.edu

App Name - Payback

App Description – Payback is a web application for quickly and conveniently paying back and requesting money from friends. The app will allow large bills to be easily split evenly, with varying proportions and absolute requests for money. We will facilitate the sending and receiving of money through simulation as proof of concept. We had hoped to use a service like Venmo or PayPal to facilitate the transfer of money, but these services do not handle our use case correctly by default which would leave our app to securely handle payment information which we cannot reasonably do both with our current skillset and the time allotted for the project. So, we plan to build the product that would sit on top of another payment processing service if it were to be deployed for use.

Our app will offer features that enhance the experience of requesting and sending money. We will have an expense assignment tool which will take in a total value, allow you to add friends to the bill and assign costs to each person to cover the whole bill, a dashboard which displays the total amount you are owed and the total amount you owe others allowing you to quickly see where you are financially among your friends, as well as email notifications reminding users to pay off debts.

Vision Statement – For friends and family, who frequently find themselves splitting expenses. Payback is a web application that allows a quick and straightforward way to split large bills among groups of people. Unlike other sharing apps like Venmo or Zelle, our product provides a robust system to split expenses electronically, instead of busting out the calculator allowing the group to focus on the experience, not the payment.

Link to Github Repo: https://github.com/AustinLammers/Payback

Development Methodology – We will be using GitHub Projects hosted Kanban Boards to track each member's individual tasks they may be working on at any given time. We will not commit or merge directly into the main branch and use pull requests to facilitate changes to the main codebase. Any pull request must be approved by at least 2 other team members before they can be merged into the main branch unless the requester feels the circumstance holds sufficient exigence to bypass the approval process.

General Responsibilities:

- Xavier: Dashboard/Home Page

- Shaan: Profile Page

- Austin: Endpoints

- Gilberto: Database
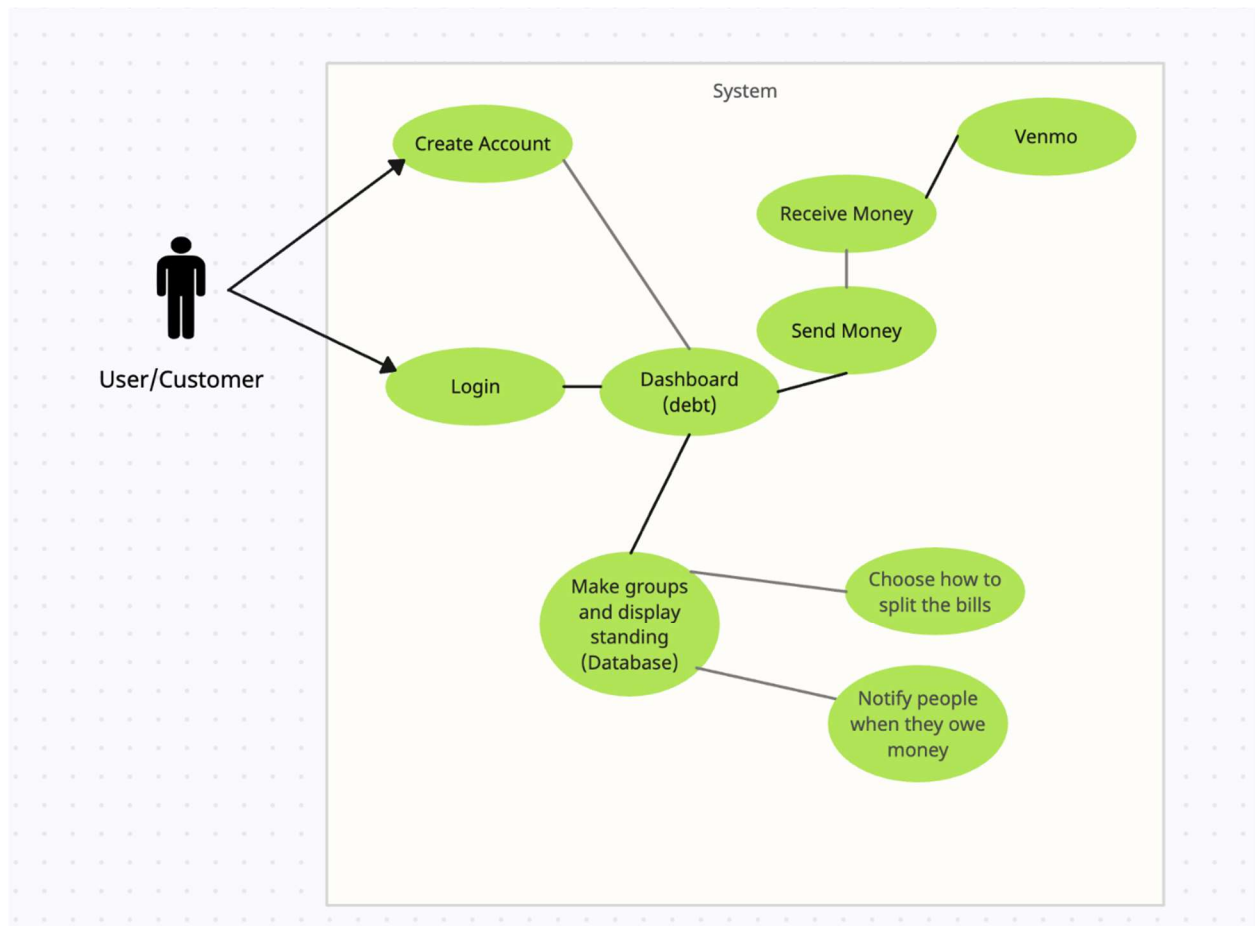
- Alex: Login/Logout/Registration/Sessions

Communication Plan – We plan to communicate through Discord and Zoom.

Meeting Plans -

TA Meeting – Mondays @ 7 PM (online)

Group Meeting – Tuesday @ 6 PM (In-Person) in the CSEL

Use Case Diagram -

Wireframes - https://docs.google.com/presentation/d/1RIjoe3C9u9Nr1-9aNQN5ll0lS0Qt2BV7HtFM3o1egvk/edit?usp=sharing

Notes:

Icon should be a shark

Venmo API has the ability to return a list of friends