Expense Tracking & Splitting: Centsible

CSCI 49900 – Advanced Applications: A Capstone for Majors
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Your Groups

Flagstaff Group Trip

You owe $33.15

3 Musketeer Household!!

You are owed $49.38

Personal

$0.00

Create a Group

Flagstaff Group Trip

Sep 10	Movie Tickets	You paid $29.81	You are owed $21.30
Sep 10	Drive Thru	Ahnaf paid $29.81	You owe $13.51

In this group you are owed $7.79

New Expense   **Record Payment**

Some_Username

Edit Account Info

Edit Currency Info

Edit Friends & Groups

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PRODUCT DEFINITION
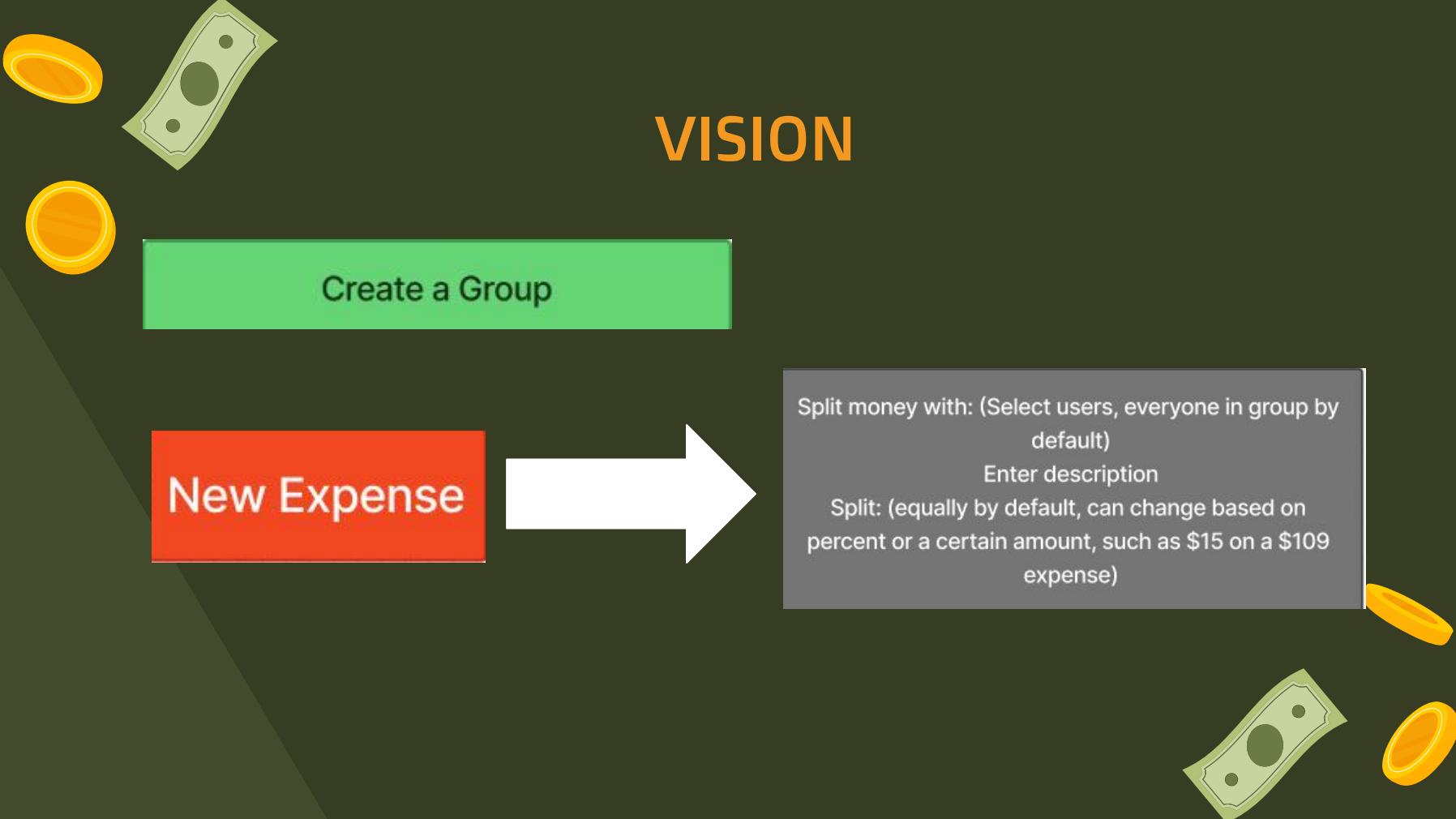
VISION: In order to make splitting group expenses effortless and fair,

TARGET AUDIENCE & PROBLEM: our product will solve the problem young adults and friend groups face when sharing costs,

STRATEGY: by giving them a simple web app with receipt scanning and automatic balance tracking.

GOALS: We know our product works when we see groups easily settle debts without confusion or disputes.

VISION

Create a Group
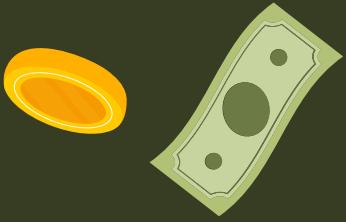
New Expense ➜ Split money with: (Select users, everyone in group by default)
Enter description
Split: (equally by default, can change based on percent or a certain amount, such as $15 on a $109 expense)

TARGET AUDIENCE

PROBLEM

贾斯汀 12:44 PM
The hiking trip was fun. How much do I owe you guys?

Ax2_00 12:44 PM
I paid $45 for groceries so u guys owe me $15 each

ozypall72 12:46 PM
Wait we didn't all get the same groceries. I never had any of the Gatorade.

Ax2_00 12:47 PM
we still agreed to split evenly

贾斯汀 12:47 PM
I paid for half of Halil's Airbnb. He owes me $378

ozypall72 12:48 PM
Also for the drive thru, Ahnaf you got the 13.99 meal plus tax and I got the 8.99 meal plus tax and Justin you got 12.99 meal plus tax

贾斯汀 12:48 PM
I also need to pay you $14 for the first aid kit

ozypall72 12:48 PM
So with the 8.75% sales tax that's... wait let me calculate that

STRATEGY

Web Application:
- Ensure accessibility across devices
- Quick iteration and improvements

Mobile friendly:
- Mobile users may make up a majority of users

TECHNOLOGIES AND PLATFORMS

FRONT-END: HTML, CSS, JAVASCRIPT

BACK-END: PYTHON

DATABASE: POSTGRES

VERSION CONTROL: GIT & GITHUB

WORK DISTRIBUTION

Zara: has extensive experience building applications using Python. Will be responsible for building out the backend of Centsible. Is learning about Postgres simultaneously in database management class so will also contribute to setting that up.

Ahnaf: Most proficient in frontend development. Will be responsible for most frontend development.

Halil: has some proficiency with all of the technologies listed. Responsible for helping the building of backend and helping with the DB tables.

Justin: Also more proficient in frontend development and will try to implement an account registration feature.

Tony: Will help with account verification and learn other languages and tools required for the project.

MINIMUM VIABLE PRODUCT GOALS

Core Features:
1. Account Registration
2. Group Creation
3. Expense Logging
4. Automatic Balance Calculation
5. Payment Tracking
6. Categorized Expenses

IN ADDITION TO MVP GOALS

Stretch Features:
1. Receipt Scanning
2. Alerts and Reminders
3. Export Reports
4. Payment Integrations

THANK YOU