

TABS

Cootauco, Yu, Hunger, Savage

Our App

- App Overview (mobile app):
 - digitize paper receipts
 - allocate expenses among individuals
 - seamless payments.
- Optical Character Recognition (OCR) Technology:
 - convert receipt images into editable and reviewable text
- Enables users to assign each item on a receipt to different individuals
- Partial & Shared Expense Feature:
 - Multiple users to split the cost of shared items
- Integrated Payment Solutions:
 - Integrates with payment platforms (e.g., Venmo, PayPal)



Intended Users

- **Roommates & Housemates:** Individuals sharing living spaces who frequently split household expenses like groceries, utilities, and rent.
- **Friends & Social Groups:** Groups of friends who often engage in social outings, dine-outs, or trips and need an easy way to share expenses.
- **Travel Companions:** Travelers on group trips looking to evenly distribute costs for accommodations, transportation, and activities.
- **Couples:** Partners managing joint expenses for groceries, date nights, or household bills.
- **Event Organizers:** Individuals in charge of planning and budgeting for events, needing to track and split costs among participants.
- **Small Business Teams:** Small teams or startups managing shared office expenses, team outings, or client meetings.
- **University Students:** Student roommates or project groups needing to manage shared expenses for housing, supplies, or group projects.



Why our project is relevant to us

- As college students, we are used to splitting grocery and food bills.
- Super prevalent
- Pay me back...



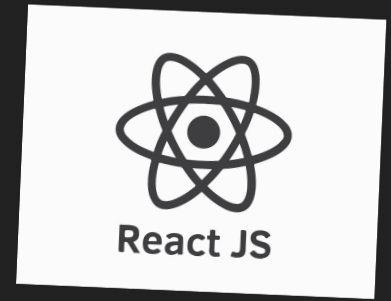
Our Plan

- End-of-Semester Goals:
 - Develop a user-friendly app with a **clean UI**
 - **Use Optical Character Recognition (OCR)**
 - convert receipt images into text
 - Allow users to **assign items to different people**
 - **Automatically calculate the total** each person owes
 - Enable users to **split items** among multiple people.
 - **Integrate with payment gateways** like Venmo, PayPal, etc., for direct payment requests.
 - Allow **users to create profiles and groups** for frequent use
- Stretch Goals:
 - Improve on UI, ease of use, speed.



The technical: Architecture/Tech Stack

- Uses HTML/CSS and React.js, Node
- Firebase Auth
- Chose react because of its:
 - Efficiency & Performance
 - Data flow
 - Auto-updating UI
- Google Cloud Vision API
 - Offers powerful pre-trained machine learning models through REST and RPC APIs.
- PayPal API:
 - For secure and straightforward payment processing.



Thank you for Listening

Questions?