

# *TRIPSPLIT*

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Made by Tyler Tomlin, Shanaia Buggy, Richard Terrile, Jake Hugenberg and Amirul Mohd Zahari

# Vision Statement

For groups of people who want to efficiently and fairly divide shared costs, TripSplit is a budget utility that cuts out the tedious nature of paying numerous people small amounts by consolidating group costs into an easy to view format that clearly displays how much each group member has contributed and is owed.

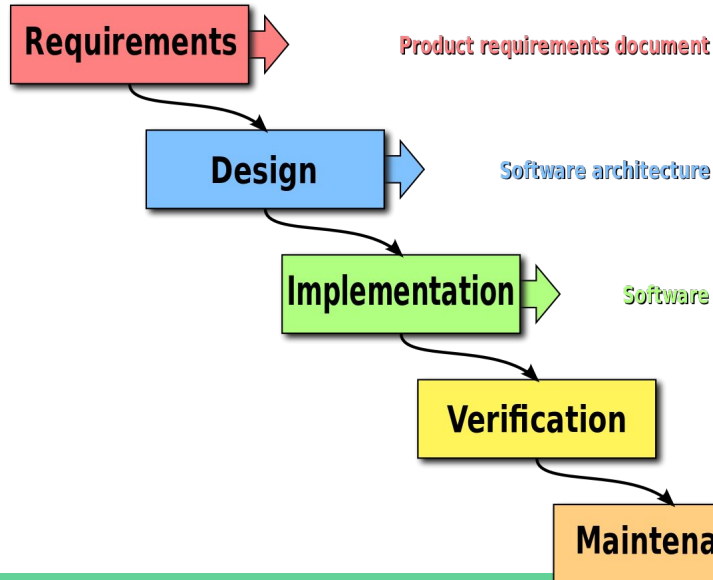
# Project Demo

# The Tools

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# Waterfall (Methodology)

It is a straightforward approach to application development and allows for early design changes. Development checkpoints worked parallel with Project Milestones.



## Trello (Project Tracker)



A visual management tool. We used Trello to portion out the work for our project.

Rating: 1/5

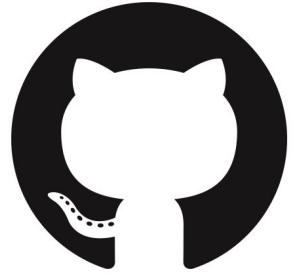


## PostgreSQL (Database)

A Database. Was used in our project to update and store our information

Rating: 4/5

## Github (VCS Repository)



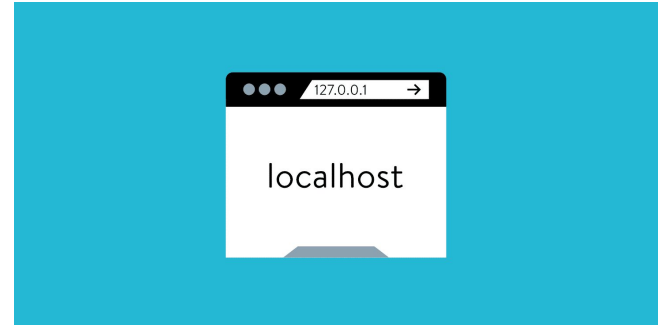
Github is a software development version control service, using Git.

Rating: 5/5

## Localhost (Testing)

We used the local host port to view and test our application before we put it online. This helps when checking for errors or bugs in the system.

Rating: 4/5



## Node.js (Framework)

We used node.js in our application to make our application dynamic and reactive to user interaction.

Rating: 4/5



## Adobe XD (Design)

We Used Adobe XD as a visualization tool. We created our first Wireframes and designs on the software

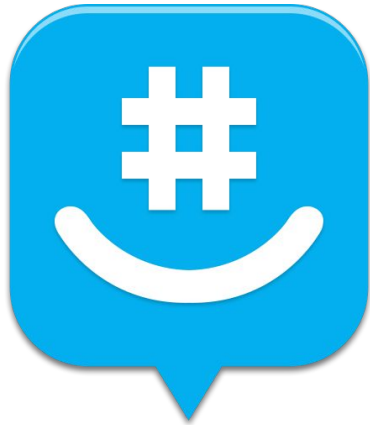
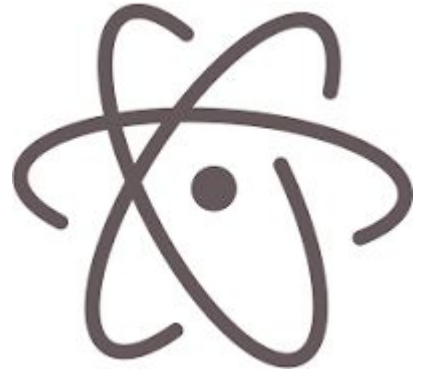
Rating: 4/5



## Atom (Editor)

Atom was used as a tool to examine and edit the code

Rating: 5/5



## GroupMe (Communication)

We used GroupMe for the majority of group communications and planning.

Rating: 5/5

## Google Drive (File-sharing)

Was used to record milestones, relay messages and general file-sharing

Rating: 5/5



## Heroku (Deployment)

platform as a service (PaaS). Used with Node.js, Postgres

Rating: 5/5

# The Challenges

- The Pandemic
  - No in-person meetings
  - Group members needing to travel home
  - Communication lapses
  - Group members falling sick
  - Alternative means of communication
- Node.js and Cloud Hosting Labs are at the end of semester
  - These are pivotal components of our final design
- Web app vs Mobile app
  - Limited programming knowledge for mobile
  - Explored mobile frameworks (ie. PhoneGap)

# Additional Components and Next Steps

1. Login Verification
2. Add Expense to Database
3. Heroku Hosting