**SplitApp**

Build with the MERN stack (MongoDB, Express, React and NodeJS).

**MERN Stack Group Expense Splitting Application**

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**Introduction**

Splitwise is an app that makes it easy to split bills with friends and family. We organize all your shared expenses and bills in one place, so that everyone can see who they owe. Whether you are sharing a ski vacation, splitting rent with roommates, or owe someone for lunch, Splitwise makes life easier. We store data and authentication too is done .

**How it works**

You signup and enter your your infrmation then create a group and add members to it then add a bill with details of each person payed how much and then press the split button to display the user dues among the group members

**What does this come with?**

* A react native app of the splitwise app clone which consists of the basic functionalities like creating group,organizing bills and splitting bills etc.
* A backend API managing the authentication and database of the app with the help of hasura's data and auth api.

**Key Features**

* Create user groups and track group expense
* Keep track of shared expenses and settle your corresponding balances in a convenient and personalized way.
* Get Analytical graphs to understand your expenditure trend
* Multiple user registration.
* Authentication using JSON web token (JWT)

**Technologies used**

This project was created using the following technologies.

**Frontend**

* React JS
* Redux (for managing and centralizing application state)
* Axios (for making api calls)
* Material UI (for User Interface)
* Chart.js (To display various analytics graphs)
* React-chartjs-2
* Gravitar (for user profile picture)

**Backend**

* Express
* Mongoose
* JWT (For authentication)
* bcryptjs (for data encryption)

**Database**

MongoDB (MongoDB Atlas)