

Introduction

This app is designed to help groups of friends track their expenses and make sure that everyone pays their fair share. The app allows users to create an account, add their friends to the group, create a trip, add expenses to the trip, tag the group members who are responsible for each expense, upload receipts for the expenses, split the expenses evenly among the group members, and close the group once all expenses are split evenly.

Getting Started

To get started with the app, you will need to create an account. Once you have created an account, you can add your friends to the group. To add a friend, you will need to enter their email address. Once you have added your friends, you can create a trip. To create a trip, you will need to enter the name of the trip and the dates of the trip. You can then add expenses to the trip. To add an expense, you will need to enter the name of the expense, the amount of the expense, and the group members who are responsible for the expense. You can then upload a receipt for the expense. Once you have added all of the expenses to the trip, you can split the expenses evenly among the group members. To split the expenses evenly, you will need to select the "Split Expenses" button. The app will then calculate the amount that each group member owes. You can then pay each group member the amount that they owe. Once all of the expenses have been paid, you can close the group. To close the group, you will need to select the "Close Group" button.

Features

The following features are included in the app:

- User onboarding
- Creation/modification of user groups
- Expense entry
- Receipt upload
- Tagging/untagging of group members
- Payback to a selected group member in whole or in parts
- Closing of a group once all expenses are split evenly

User onboarding

The user onboarding process is designed to help new users get started with the app. The onboarding process includes the following steps:

1. Creating an account

2. Adding friends to the group
3. Creating a trip
4. Adding expenses to the trip
5. Uploading receipts for the expenses
6. Splitting the expenses evenly among the group members
7. Closing the group

Creation/modification of user groups

Users can create and modify user groups. To create a user group, users will need to enter the names of the group members. To modify a user group, users will need to enter the names of the group members whom they want to add or remove from the group.

Expense entry

Users can enter expenses. To enter an expense, users will need to enter the name of the expense, the amount of the expense, and the group members who are responsible for the expense.

Receipt upload

Users can upload receipts for expenses. To upload a receipt, users will need to select the "Upload Receipt" button and then select the receipt that they want to upload.

Tagging/untagging of group members

Users can tag and untag group members. To tag a group member, users will need to select the "Tag Group Member" button and then select the group member that they want to tag. To untag a group member, users will need to select the "Untag Group Member" button and then select the group member that they want to untag.

Payback to selected group member in whole or in parts

Users can pay back selected group members in whole or in parts. To pay back a group member, users will need to select the "Payback Group Member" button and then enter the amount that they want to pay back. Users can also pay back a group member in parts. To do this, users will need to select the "Payback Group Member in Parts" button and then enter the amount that they want to pay back and the number of parts.

Closing of group once all expenses are split evenly

Users can close a group once all expenses are split evenly. To close a group, users will need to select the "Close Group" button.

Data storage

The data for the app is stored in a database. The database is used to track the expenses and calculate the amount that each group member owes. The database also stores the receipts for the expenses.

Security

The app uses a variety of security measures to protect the data of the users. These measures include:

- Encryption
- Authentication
- Authorization