EXPENSE SPLITTING SITE

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OBJECTIVE

DEVELOP AN EXPENSE SPLITTING SITE THAT ALLOWS FRIENDS OR ROOMMATES TO SPLIT THE COST OF SHARED EXPENSES, INCLUDING THE TAXES ASSOCIATED WITH THE COMMODITIES BOUGHT INDIVIDUALLY.

CONTEXT

IN MANY SOCIAL AND LIVING ARRANGEMENTS, INDIVIDUALS FREQUENTLY SHARE COSTS FOR VARIOUS ACTIVITIES AND NECESSITIES. THESE INCLUDE:

01- ROOMMATES

Roommates sharing household expenses such as rent, utilities, groceries, and internet.

02- FRIENDS

Friends splitting costs during group activities like dining out, vacations, or joint purchases.

03-COLLEAGUES OR TEAMS

Colleagues or teams managing shared expenses for work–related events or projects.

CONTEXT IN WHICH THE PROBLEM ARISES

Manual Calculations

Traditionally, people manually calculate shared expenses, which can be cumbersome and prone to errors. This is especially challenging when different individuals purchase items separately, and these items include varying taxes.

Lack of Tools

Currently, there are few reliable tools that comprehensively address the nuances of splitting expenses, including tax calculations. Most available solutions are either too simplistic, failing to handle complex scenarios, or too complicated for everyday use.

O1

O2

O3

O4

Fair Distribution

Ensuring that each person pays their fair share is often complicated by differences in individual contributions, varying tax rates on items, and fluctuating shared costs.

Financial Transparency

Transparent management of shared expenses is crucial to avoid misunderstandings and conflicts. Without a proper system, there is a risk of disputes over who owes what, which can strain relationships.

SOLUTION

Our solution to the problem of managing shared expenses is a comprehensive program that offers a range of functionalities to ensure accurate, fair, and user-friendly expense management. The key features of the program are as follows:
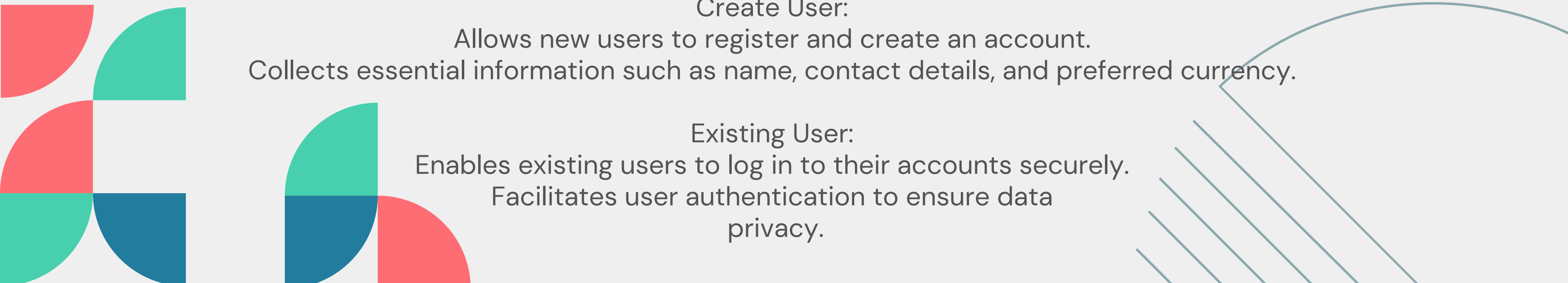
User Management:

Create User:
Allows new users to register and create an account.
Collects essential information such as name, contact details, and preferred currency.

Existing User:
Enables existing users to log in to their accounts securely.
Facilitates user authentication to ensure data privacy.

Expense Management:

Create Expenses:
Users can input new expenses, specifying the amount, category, and any relevant notes.
Allows users to include taxes associated with each item and categorize the expenses accordingly.
Retrieve Expenses:
Users can view a detailed list of all recorded expenses.
Provides filters and search options to easily find specific expenses

Participant Management:

Add Other Participants:
Enables users to add participants to an expense, ensuring everyone involved is accounted for.
Facilitates equal or customized splitting of expenses among participants.

Bill Management:

Bill Details:
Displays a comprehensive bill that includes all shared expenses, itemized commodities, and their respective taxes.
Ensures transparency by showing how each expense is split among participants and the amount each person owes.

SUMMARY

By offering an intuitive, user-friendly interface and robust functionalities, our program ensures accurate, fair, and convenient expense management for groups, enhancing financial transparency and reducing potential conflicts. This solution not only saves time and effort but also fosters better relationships by ensuring everyone pays their fair share.

THANK YOU