Split Smart: Group Expense Sharing and Settlement Application

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Project Guide

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1. Introduction

An app for seamless expense management. Effortlessly track, split, and settle shared costs with friends, family, or colleagues.

- Problem Identified :

  - Group expense tracking is often confusing and leads to disputes.

- Solution Proposed :

  - We selected 'Split Smart' to create a clear, efficient way to split and manage shared costs.

2. Objectives

1. To help users monitor their spending and stay within budget for group activities.

2. To make it easy for groups to split bills and expenses fairly, without manual calculations.

3. To provide a clear and organized record of who owes what, ensuring accountability and transparency.

4. To ensure security of the user information by implementing a passcode based entry system.

3. Scope

1. **Can be applied in shared living arrangements**: The platform can be used by roommates to easily track and split expenses such as rent, utilities, and groceries.

2. **Can be useful to students and travelers**: Groups of students or travelers can manage shared expenses during trips or group projects, making it easy to settle payments without confusion.

3. **Can be applied in office or professional settings**: Teams working together on projects can split business-related expenses.

4. Feature /Functionality

1. **Feature 1** : Options to Login and Sign Up process.

2. **Feature 2** : Option to add and edit expenses.

3. **Feature 3** : Users enter a passcode to access the group's room after it has been created

4. **Feature 5** : Options to settle up payments.
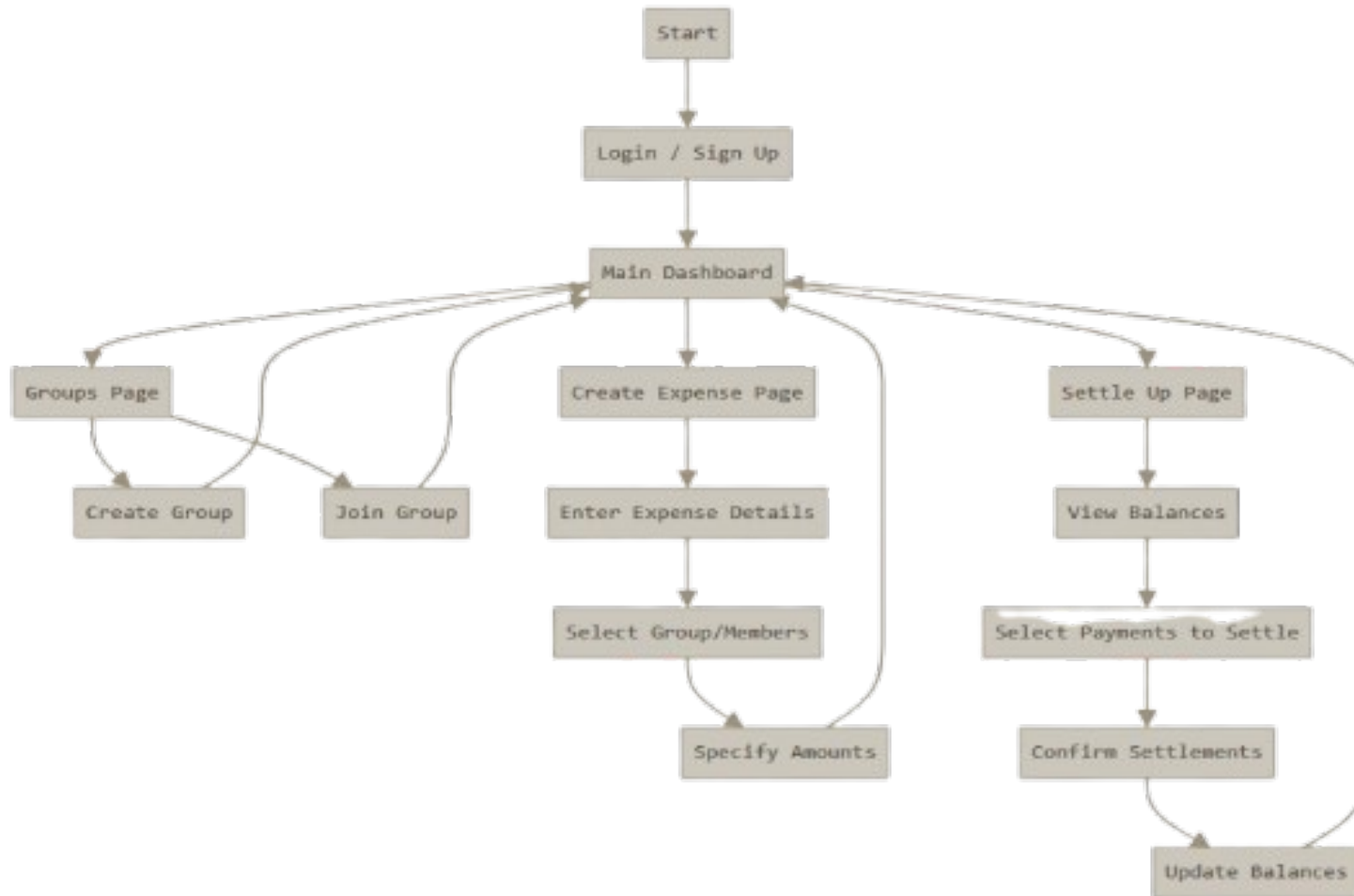
5. Outcome of Project

1. User Can log in.

2. User can create or join rooms.

3. Multiple member can join the room.

4. User can split amount among them.

6. Technology Stack

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- Frontend: Java .

- Backend: MySQL (Database Management)
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7. Block Diagram

Thank You...!!!!!