Presentation Written Report

Vision Statement

To transform shared living by simplifying household organization and helping people find the perfect roommates.

Key Objectives:

- **Efficient Organization:** Streamlines expense tracking and chore management, reducing the complexity of shared living arrangements.
- **Informed Decisions:** The app enables users to find roommates who match their living style based on honest feedback from previous roommates.
- **Convenience:** Automated reminders and notifications keep users on top of payments and tasks, fostering a more organized and stress-free living environment.

Core Features

- **Shared Expenses Calculator:** Users can add and track expenses such as rent, groceries, and insurance, with a clear view of how much each person owes.

- **Tasks Organizer:** Roommates can assign and manage household chores, ensuring that responsibilities are clearly defined and everyone knows their tasks.

- **Reminders and Notifications:** The app sends alerts for upcoming payments and pending tasks, helping users stay organized and on track.

- **Rate Your Roommate:** Users can rate and provide detailed feedback about their roommates, offering valuable insights that help future users make informed decisions.

Technology Stack

- **Front End:**

  - **React.js:** A robust library for building interactive and dynamic web interfaces, ensuring a responsive and engaging user experience. React.js will be utilized for the web version of the Roomies app.

  - **Flutter:** A cross-platform framework for creating high-performance applications for mobile, web, and desktop from a single codebase, ensuring a consistent look and feel across different devices. Flutter will be used for the mobile and desktop applications.

- **Back End:**

  - **Express:** A minimal and flexible Node.js web application framework that is ideal for handling HTTP requests and server-side logic efficiently, making it a suitable choice for API development.

  - **Database: Amazon RDS:** A managed relational database service that supports MySQL, offering automated backups, scaling, and high availability. This will serve as the primary database for the

app, ensuring robust data management and reliability.