Exercise 1

**Aim:**  
Project Definition and objective of the specified module and Perform Requirement Engineering Process.

**Definition:**  
An Expense Tracker Application helps individuals or businesses keep track of their expenditures. It is a system used to document and categorize spending, aiding in budget management and financial planning. Expense tracking can be done using paper, spreadsheets, or specialized software.

**Information:**  
Expense tracking is a process of recording and managing all financial transactions. It is essential for both personal and business finances to ensure proper budgeting and financial health. Traditional methods include keeping receipts and manually logging expenses, but modern applications offer automated tracking, real-time data analysis, and integrated financial management features. This system aims to simplify expense management by providing a user-friendly interface for recording and analysing expenses.

**Objectives:**

* To facilitate the recording of expenses for individuals or businesses.
* To categorize expenses for better budget management and financial analysis.
* To provide insights into spending habits and help in planning future expenses.

**Functions:**

1. **Administrator**
2. **User**

**Administrator:**  
The administrator has the rights to manage user data, add new users, provide unique identifiers for each user, and assign roles. The administrator can also generate reports and provide financial analysis.

**User:**

* **Individual:** Can log personal expenses, categorize them, and view spending reports.
* **Business:** Can log business expenses, manage multiple accounts, and generate detailed financial reports.

**Features:**

* **Expense Tracking:** Easily log and track daily expenses with categories such as food, travel, entertainment, utilities, etc.
* **Budget Management:** Set monthly or yearly budgets and get notified when nearing the limit.
* **Financial Reports:** Generate detailed financial reports to analyze spending patterns.
* **Multiple Accounts:** Manage multiple bank accounts and wallets from one app.
* **Data Syncing:** Sync data across multiple devices for seamless access.
* **Expense Categories:** Customize and manage expense categories.
* **Recurring Transactions:** Set up and manage recurring expenses like subscriptions and bills.
* **Notifications:** Receive reminders for bill payments and due dates.
* **Export Data:** Export expense data to CSV or Excel for further analysis.
* **Security:** Secure login and data protection with encryption.