Software Requirements Specification (SRS)

Purpose

The purpose of this document is to describe the software requirements for the "TrackIt" finance tracking website. This website is designed to help users manage their income and expenses, provide reminders for bill payments, and offer insights into their financial status through detailed reports and visualizations. The intended audience includes end-users, developers, and project managers.

Scope

The scope of the "TrackIt" project encompasses the development of a personal finance management tool that offers the following functionalities:

- Income and Expense Tracking
- Budget Management
- Financial Reports
- Account Management
- User-Friendly Interface

Product Perspective

TrackIt is a standalone web application designed to help users manage their personal finances. It integrates functionalities such as income and expense tracking, budget management, financial reporting, and account management to provide a comprehensive personal finance management solution.

Product Functions

- **Income and Expense Tracking:** Users can record and categorize their income and expenses.
- **Budget Management:** Users can create, monitor, and adjust budgets.
- **Financial Reports:** Users can generate detailed financial reports with visual representations.
- **Account Management:** Users can manage multiple accounts and their details.
- **User Authentication:** Users can register, log in, and manage their accounts securely.

Functional Requirements

1. **User Authentication and Authorization**

   - Users must be able to register and log in to the website.
   - User details must be encrypted during registration.
   - There will be two types of users: Admin and User.

2. **Income and Expense Tracking**

- Users can record all their income sources (e.g., salaries, freelance earnings, investments).
- Users can categorize expenses (e.g., bills, groceries, entertainment).

3. **Budget Management**

- Users can create monthly, quarterly, or annual budgets.
- The system provides real-time updates on budget performance.
- Users can adjust their budgets as needed.

4. **Financial Reports**

- Users can generate detailed reports summarizing income, expenses, and budget performance.
- The system provides visual representations (graphs and charts) of financial data.

5. **Account Management**

- Users can manage multiple accounts (e.g., savings, cash, investment accounts).
- Users can add new accounts or delete old ones.

Non-Functional Requirements

1. **Usability**

- The interface must be intuitive and easy to navigate.
- The design should cater to users with varying levels of financial literacy.

2. **Security**

- All user data must be encrypted.
- The system must adhere to data protection regulations.

Software and Hardware Requirements

1. **Software Requirements**

- **Operating System:** Windows, macOS, or Linux for development**.**
- **Web Server:** Apache**.**
- **Database:** MySQL**.**
- **Programming Language:** HTML, CSS, JavaScript, PHP.
- **Browser Compatibility:** Latest versions of Chrome, Firefox, Safari, and Edge.
- **Development Tools:** Visual Studio Code or any preferred IDE, Git for version control.

2. **Hardware Requirements**

- **Processor:** Intel Core i3 or higher.
- **RAM:** 4GB or higher.
- **Storage:** 128GB or higher.