**Expense Tracker Software Requirements Specification**

***1. Introduction***

**1.1 Purpose**

The Expense Tracker is a comprehensive software solution aimed at aiding individuals and businesses in managing their expenses effectively by providing a user-friendly interface to record, categorize, analyse, and track expenditures.

**1.2 Scope**

This system will enable users to effortlessly log their expenses, categorize them based on predefined or customizable categories, generate insightful reports, set budget limits, and gain a clear understanding of their spending habits. The scope of an expense tracker is quite broad and adaptable, making it an invaluable tool for numerous financial management purposes across personal and professional domains.

**1.3 Definitions, Acronyms, and Abbreviations**

SRS: Software Requirements Specification

UI: User Interface

**1.4 References**

<https://www.researchgate.net/publication/373885051_Expense_Tracker>

https://www.researchgate.net/publication/369317560\_Expense\_Tracker

DOI:[10.55041/IJSREM18152](http://dx.doi.org/10.55041/IJSREM18152)

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***2. Overall Description***

**2.1 Product Perspective**

The Expense Tracker will function as a stand-alone application accessible through web browsers and mobile devices. It will interact with a backend database to store and retrieve user expense data.

**2.2 Product Features**

**Core Features**

* Expense Recording: Adding, editing, and deleting expenses with customizable details.
* Categories and Tags: Categorization and tagging options for better organization.
* Reporting and Analytics: Visual representations and summaries of spending patterns.
* Budget Setting: Allow users to set and monitor budgets for expense categories.
* Data Export: Options to export expense data in various formats.

**2.3 User Classes and Characteristics**

Regular Users: Individuals and businesses needing to track expenses.

Administrators: Manage user accounts and system settings.

***3. Specific Requirements***

**3.1 External Interface Requirements**

User Interfaces

UI Design: Intuitive, responsive design for easy navigation across devices.

Hardware Interfaces

The system shall run on standard hardware compatible with modern web browsers.

**3.2 Functional Requirements**

Expense Management

Add, edit, and delete expenses with fields for date, category, amount, and description.

Categorize and tag expenses for better organization.

Reporting and Analytics

* Generate detailed reports summarizing expense data.
* Visualize expense trends using graphs and charts.

**3.3 Performance Requirements**

The system shall maintain an average response time of 2 seconds or less to ensure a seamless user experience.

**3.4 Software System Attributes**

Reliability

Ensure data integrity and availability with regular backups.

Scalability

Architecture to accommodate increased user loads without performance degradation.

***4. Other Non-Functional Requirements***

**4.1 Usability**

- Intuitive UI design with clear navigation and user-friendly controls.

**4.2 Documentation**

Provide comprehensive user guides and documentation for easy system understanding and utilization.