Requirements Traceability Matrix (RTM)

Project Information

- **Project Name**: Personal Expense Tracker

- **Project Type**: Web Application Development

- **Project Start Date**: 11/01/2024

- **Project End Date**: 11/08/2024

- **Project Sponsor**: SpendSmart Solutions

- **Primary Driver**: EL

Requirements Traceability Matrix

ID	Assoc ID	Technical Assumption(s) / Customer Need(s)	Functional Requirement	Status	Technical Specification	Test Case Number	Verification
001	1.1.1	Users need to track expenses easily	The system should allow users to add, edit, and delete transactions.	Approved	Tech Spec v1.0	TC-01	Test Results
002	2.2.2	Users prefer visual insights	The system should provide category-wise expense breakdown.	In Progress	Tech Spec v1.1	TC-02	Peer Review
003	3.3.3	Predict future expenses based on historical data	The system should predict monthly expenses.	Approved	Predictive Model Spec	TC-03	Test & Validation
004	4.4.4	Users want access to a monthly summary	The system should generate a monthly expense summary report.	In Progress	Summary Report Spec	TC-04	User Testing
005	5.5.5	Security of sensitive data is crucial	The system should encrypt user data both in transit and at rest.	Approved	Security Spec v1.0	TC-05	Security Audit
006	6.6.6	Users need to categorize transactions by custom tags	The system should allow users to create and assign custom tags to transactions.	Planned	Custom Tagging Spec	TC-06	Design Review
007	7.7.7	Users want insights on spending trends	The system should provide a year-over-year comparison of spending.	In Progress	Trends Analysis Spec	TC-07	Data Validation

Instructions for Using the Matrix

- **ID**: Assign a unique identifier to each requirement for easy reference throughout the project.

- **Assoc ID**: List any associated high-level IDs or links to specifications that relate to the requirement.

- **Technical Assumption(s) / Customer Need(s)**: Document any technical assumptions or specific user needs that guide this requirement.

- **Functional Requirement**: Provide a clear and concise description of what the system must achieve for this requirement.

- **Status**: Track the current state of the requirement (e.g., Approved, In Progress, Completed, Planned) to monitor progress.

- **Technical Specification**: Link to any technical documentation relevant to the requirement for reference by developers or engineers.

- **Test Case Number**: Reference the test case number associated with this requirement, allowing for easy traceability during testing.

- **Verification**: Indicate how the requirement was confirmed or validated (e.g., Test Results, Peer Review, Security Audit).