
Expense Tracker Web Application

Project Vision Document

Version 1.0

10/1/2021

Revision History

Revision	Date	Author	Reviewed By	Summary of Changes
1.0	Oct-01-2021	T05		Initial version

Document Approval List

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1 Introduction

1.1 Purpose

The purpose of this document is to collect, analyze, and define high-level needs and features of the Expense Tracker Web Application. It focuses on the capabilities needed by the stakeholders, and the target users, and why these needs exist. The details of how the Expense Tracker Web Application fulfils these needs are detailed in the use-case and supplementary specifications.

1.2 Scope

1.2.1 In Scope

This vision document applies to the Expense Tracker Web Application. The T05 project team will develop this web application to provide the user with the ability to set personal financial goals and enter expenses and provide the user with the ability to enter expenses for other authorized household members. Users can view their spending habits and check the trend with a visual report such as a chart. All these services are provided by the web browser.

1.2.2 Out of Scope

This web application cannot be linked with an individual's bank account and is not developed as a mobile application.

1.3 Definitions, Acronyms, and Abbreviations

Term	Explanation
ET	Expense Tracker

1.4 References

Reference File Name	Version	Description

Name	Link
Mint	https://mint.intuit.com/

2 Positioning

2.1 Business Opportunity

Budgeting and expense tracking play an important role in personal finance. Unfortunately, applications that can do this target financially well-informed people, so beginners have high entry barriers. Our Expense Tracker Web Application introduces the idea of opening a household user account in addition to a typical personal account. In the case of a household account, the default user is responsible for generating a budget for the household. The secondary user has a very simple interface to enter the expense.

2.2 Problem Statement

The Problem of	Hard to manage spending issues
affects	People struggling with money management
the impact of which is	Difficulties in saving money
a successful solution would be	<ul style="list-style-type: none"> - Helps user to make a budget and to keep up on that budget. - Allow user to be aware of their spending habits and to recognize negative spending. - Efficient to set financial goals. - Helps user to be motivated towards financial objectives.

Table 1 Problem Statement

2.3 Product Position Statement

For	People who spend money without plans
Who	People who struggle to save money because they do not plan their budget and financial goals ahead.
The Expense Tracker (ET) Web Application	A web application to manage personal expenses
That	It motivates users to achieve their financial goals by providing convenient and easy UI to set financial goals and manage expenses.
Unlike	Many of the Expense tracker web apps currently on the market are focused on business owners rather than the general public and are hard to use it.
Our product	Users can create budgets and look for opportunities to reduce expenses by analyzing trends, reports, and past expense history. A primary user may or may not invite secondary users (other members of the same household) to enter expenses. An individual user is also a primary user.

Table 2 Product Position Statement

2.4 SWOT Analysis

Strengths	Weaknesses
Interactive UI and Responsive design to support other browsers.	No integration to 3rd party application that implements analytics.
Well-develop and maintainable expenses tracker.	No subscription/plan.
Provide service for family and individual user	No mobile version for both iOS and Android
Opportunities	Threats
Able to present reports and real-time monitoring of expenses.	Costly server deployment for large amounts of data in the future.
Opportunities to expand and reduce the number of expenses based on the current record and the past	Highly maintainable user information storage.
Send email reports and preview active notification for expenses.	

3 Stakeholder and User Descriptions

3.1 Stakeholder Summary

Stakeholder Name	Represents	Role
Farah Sheherin	Project Manager	This is a stakeholder that is controls, monitors, and manages the activities involved in the development.
Allan John Valiente	Software Architect	This is a stakeholder that is primary for leading the system development.
Hyunsoo Cho	Software Programmer	Performs the actual work of the project under the Project Manager including development, testing, etc.
Yoonho Hwang		

Table 3 Stakeholder Summary

3.2 User Summary

User Name	Description	Responsibilities	Stakeholder
Primary user	Primary end user of the system	create budgets and looks for opportunities to reduce expenses by analyzing trends, reports, and past expense history.	Self
Secondary user	Other members of the same household	Enter the expense so that the primary user can use the information	Self

Table 4 User Summary

4 Stakeholder Requirements

ID	Requirement	Stakeholder
001	create budgets and looks for opportunities to reduce expenses by analyzing trends, reports, and past expense history.	Primary user
002	enter or update expenses	Secondary user
003	Complete and provide project	Project Manager
004	Create and implement user interface/ user experience	Software Architect
005	Focus on the development side like coding, debugging, and testing of the project.	Software Programmer

Table 5 Stakeholder Requirements

5 System Features

ID	Feature	Stakeholder Requirement ID
001	create, view and update expense categories.	001
002	create a monthly budget	001
003	create a budget for recurring or unpredictable yearly expenses (clothes, shoes, renter insurance etc.)	001
004	update monthly budget and yearly budget	001
005	view past and present monthly and yearly budgets	001
006	enter expenses	001, 002
007	update expenses	001, 002
008	view past expense history month over month	001
009	view past expenses based on the expense categories	001
010	see if user have been sticking to the budgets	001
011	see in a pie chart how much money is budgeted to what categories,	001
012	see in a pie chart how much money is spent in what categories	001
013	see month-over-month expenses in a bar chart	001

Table 6 System Features

6 Assumptions

This project makes the following assumptions:

1. All the team members can complete their respective tasks within the schedule planned efficiently.
2. The expected project's timeline can be met, and the project will complete within the expected time.
3. The scope and specifications of the project will not undergo changes when the project takes place. However, when conducting the project, there might be cases where the scope and specifications need to be altered to cater to the requirements and needs of the project.

7 Constraints

This project makes the following constraints:

1. Development of a web application cannot be started unless the project plans are approved.
2. Development depends on design being finished.
3. Testing cannot be conducted unless the website is designed and built.