

Project Charter

Project Title: Trekster – Personal Finance Tracking Web Application

Project Manager: Yuriy Voznyak

Version: 1.0

1. Project Overview

1.1 Purpose

Trekster is a .NET-based web application designed to help individuals and families track personal finances, gain clarity about their financial status at any given moment, and streamline the planning and allocation of income. With Trekster, users can easily record various sources of income, log and categorize expenses, and generate insightful reports for better budgeting and financial decision-making.

This project aims to address the common challenges individuals face when managing finances, such as:

1. Lack of clear, real-time understanding of financial standing.
2. Difficulty in planning the rational use of multiple income streams.
3. Limited or no structured approach to financial management.
4. There is a need for quick and intuitive data entry of income and expenses.

Trekster will provide a comprehensive platform that is user-friendly, supports multi-device accessibility.

1.2 Objectives

The overarching goal of Trekster is to enable diverse user groups (including children, older adults, people with multiple sources of income, individuals handling large numbers of transactions, and managers) to manage personal and household finances effectively. Specifically, the objectives are:

1. Real-time Financial Visibility

Provide a view of the user's finances at any point in time, allowing them to make informed financial decisions quickly.

2. Budget Planning and Rational Use of Income

Allow users to set up budgets, plan future expenses, and allocate income from different sources wisely.

3. Enhanced Financial Management

Offer a unified dashboard where users can manage different types of financial transactions, track both small and large expenses, and correlate them with income sources.

4. User-Friendly Data Entry

Streamline the process of entering income and expenses so that individuals with any level of technical skill can maintain accurate financial records.

1.3 Project Scope

In-Scope

- .NET Web Application: Development of a feature-rich, multi-role application accessible via standard browsers.
- User Management:
 - Unauthorized (registration, login, password reset)
 - Authorized (secure authentication, role-based features)
- Income and Expense Tracking: Ability for authorized users to add, edit, and view transactions, including categorization and multi-account management.
- Dashboard and Analytics: Real-time dashboard, charts (pie, bar), and automated reporting with filtering options.

- Account and Category Management: Creation, editing, and deletion of accounts and categories, including multi-currency support.
- Performance & Stability: Support for up to 10,000 transactions and up to 50 concurrent users without significant performance degradation.

Out-of-Scope:

- Mobile application development (to be considered in future phases).
- Integration with external financial institutions for automatic transaction imports.
- Exporting reports in .csv, excel types in initial release

1.4 Deliverables

- Fully functional Trekster web application.
- Administrative dashboard for managing user accounts and monitoring system performance.

2. Business Case

2.1 Problem Statement

Many individuals lack a clear and comprehensive understanding of their financial situation, leading to poor financial decisions. Existing solutions may be overly complex or not tailored to users with multiple income sources or those who conduct numerous cash transactions. There is a need for an intuitive tool that caters to diverse user groups, including older adults and children, to manage and track personal finances effectively.

2.2 Benefits

- Empowers users with real-time insights into their financial status.
- Facilitates informed decision-making regarding spending and saving.

- Simplifies financial management for users with multiple income streams.
- Educates younger users on financial literacy and responsibility.

3. Stakeholders

Project Manager: Yuriy Voznyak

Development Team: .NET Developers, UI/UX Designers, QA Engineers

End Users:

- Older adults seeking straightforward financial management tools.
- Children and teenagers learning financial literacy.
- Individuals with multiple income sources.
- Professionals handling frequent financial transactions, such as managers and executives.

4. High-Level Requirements

- Secure user registration and authentication system.
- Dashboard displaying an overview of financial status.
- Functionality to add, edit, and categorize income and expenses.
- Customizable reporting tools for financial analysis over selected periods.
- Budget planning and tracking features.
- Responsive design for accessibility across various devices.

5. Risks and Assumptions

5.1 Risks

Technical Risks:

- Potential delays due to unforeseen technical challenges.
- Integration issues with third-party tools or libraries.

- Slowdowns with large transaction volumes or concurrent users.

Operational Risks:

- Resource availability and potential team member turnover.
- New features beyond authorized/unauthorized user scope could delay delivery.

Market Risks:

- Competition from established financial tracking applications.

5.2 Assumptions

- Necessary resources and funding will be available as planned.
- Users will have a stable internet connection to access Trekster online.
- Future enhancements (like advanced banking API integrations) can be added after initial launch without major architectural changes.

6. Acceptance Criteria

- The MVP must be stable, secure, and provide core functionalities (income/expense logging, budget tracking).
- All high-priority user stories and features must be tested and validated.
- Application performance should meet agreed-upon SLAs (page load times under 3 seconds, 99.5% uptime).
- Data protection standards and relevant compliance requirements must be met.
- Usability & Accessibility: The UI is intuitive, supports keyboard navigation, and properly functions with screen readers.

End of Project Charter