# Project Overview: Holistic Financial Assistant

The overarching goal is to create a personalized, easy-to-manage application that drives user self-reliance and financial knowledge through gamification, rather than dependency. It creates constraints that will remind the user of spending habits

## 1. Educational and Gamification System (The Financial Trainer)

This section defines the learning structure that aims to make users self-sufficient.

| Feature Area | User Needs |
| --- | --- |
| **Personalized Levels** | **Financial Literacy Dashboard:** Track proficiency across different domains (e.g., Level 3 in Tax, 2 in Budgeting, 5 in Investments) to provide a clear learning path. |
| **Knowledge Retention** | **Gamified Testing:** Implement tests based on terms and concepts from previous sessions, similar to Duolingo, to ensure knowledge retention. |
| **Term Explanations** | **Integrated Glossaries:** Provide simple, clear explanations for all financial, tax, and investment terms used within the application. |
| **Self-Reliance Focus** | **Trainer/Coach Functionality:** Constraints and reminders should be framed to teach economically self-sufficient habits, not just manage current spending. |

## 2. User Profile and Net Worth Tracking

This defines the core personal finance dashboard and metrics.

| Feature Area | User Needs |
| --- | --- |
| **Net Worth Calculation** | Display **Net Worth** based on a real-time calculation of **Assets** (Retirement, Investments, Accounts) minus **Liabilities** (Loans, Mortgage, etc.). |
| **Resource Spread** | Visualize the user's total capital allocation across various resource types (Government bonds, Corporate debt, Banks, Tax-advantaged accounts, etc.). |
| **Account Aggregation** | Connect all financial accounts: **Investments (Stock, Bonds, etc.)**, **Bank Accounts (Checking/Savings)**, and **Retirement Assets** to generate a holistic view. |

## 3. Tax Management and Learning

The goal is to demystify tax filing and build user knowledge over time.

| Feature Area | User Needs |
| --- | --- |
| **Form Guidance** | **Form Breakdown:** Provide term explanations and show the **connections between elements** of the relevant tax forms (e.g., Form 11). |
| **Updates & Comparisons** | Highlight significant **tax law updates** from the previous year. |
| **Filing Options** | Offer different methods for completing taxes: **Page-by-Page Guidance** and a **Questionnaire/Wizard** approach ("Are you married? Do you have shares?"). |
| **Pension/Tax Calculation** | Implement tools to calculate **pension relief and its impact on tax liability**. |
| **Knowledge Building** | Ensure every tax-related action teaches the user something new about the |

## 4. Investment Portfolio Analysis

Focus on clarity, risk assessment, and portfolio optimization.

| Feature Area | User Needs |
| --- | --- |
| **Data Ingestion** | **Flexible Data Input:** Allow users to input tickers: manually inputting stock holdings or **upload data via screenshots** or API access from disparate brokerage sources. |
| **Reporting & Clarity** | **Stock/Bond Report Decoder:** Provide tools to **make sense of complex stock listings** and understand **quarterly reports**. |
| **Scenario Planning** | **Uncertain Returns & Impact Analysis:** Model potential returns (**bull vs. bear estimates**) and show how buying a new asset affects the portfolio's **sector, geographic, or asset-type division**. |
| **Portfolio Visualization** | **Visual Data Segmentation:** Offer a clear visual breakdown of the portfolio by: **Currency, Geography, Industry/Sector, Bonds vs. Equities, Dividends**. |
| **Deep Dive Industry Analysis** | **Granular Sector Risk:** Analyze sub-sectors (Growth, Hardware, Mag 7 within Tech) for **safety, risk, and growth outlooks**. |
| **Comparable Assets** | Suggest **similar stocks or bonds** to the user's current holdings. |

## 5. Budgeting and Cash Flow Management

Focus on spending control, goal tracking, and complete cash flow visibility.

| Feature Area | User Needs |
| --- | --- |
| **Financial Goal Setting** | Define and track progress towards key goals: **Emergency Fund, Loan Repayment, Retirement/ESPP Savings**. |
| **Comprehensive Income Tracking** | Track and categorize all income sources: **Salary (Gross/Net), Bonus, Dividends, Bond Coupons**. |
| **Detailed Expense Categories** | Track expenses across a wide range of detailed categories: **Home (Mortgage, Utilities, Property Tax), Insurance, Family/Creche, Transport, Subscriptions, Shopping, etc.** |
| **Spending Constraints** | Implement controls and reminders that track spending against **established budget limits**. |

## 6. Banking and Employment/Freelance

This covers operational and structural financial data.

| Feature Area | User Needs |
| --- | --- |
| **Bank Account Optimization** | **Savings Benchmarking:** Track the **amount in savings vs. non-savings accounts**, compare their **returns against other banks and other revenue streams**. Highlight potential **investment opportunities** offered by the user's bank. |
| **Employment/Tax Breakdown** | **Salary Clarity:** Clearly display **Gross vs. Net Salary**, and detail all deductions including **Insurance, PRSI, PAYE, and USC taxes**. |