Contextual Task Analysis Personal Finance Tracker

Team Members:

22L-7912 Saad Tariq

22I-2505 Tayyab Kamran Sami

22L-7983 Imran Ahmad

22I-1503 Uzair Ahmad

22L-7964 Hasnain Ali

5th November, 2023

Introduction:

Personal finance management is essential for achieving financial goals, such as saving for a down payment on a house, retiring comfortably, or starting a business. However, many people find it difficult to track their income and expenses, create a budget, and stick to it. We have developed a Personal Finance Tracker to help you overcome these challenges.

Work Environment Analysis:

As our software is an everyday use software, it is not meant to be used at a specific workplace or environment. Our User can access this software anywhere in the world. In their house, workplace or anywhere so **Work Environment Analysis** is not applicable to our project.

Task Scenarios:

Meet Thomas, a Retiree

Calculate Income

Task Description: Thomas needs to accurately input and calculate his retirement income sources using the finance tracking system to maintain financial stability during his retirement years.

Task Flow:

- 1. Thomas logs into the finance tracking system.
- 2. He navigates to the "Calculate Income" feature and enters pension, investment, and social security incomes.

3. After entering all income sources, he saves the information and reviews the total income calculated by the system.

Task Closure: Thomas ensures that all income sources are correctly entered and the total income is accurately calculated, providing a clear financial overview for his retirement.

Meet Imran, a Student

Generate Report

Task Description: Imran aims to create a financial report to analyze her monthly expenses and income as a student using the finance tracking system.

Task Flow:

- 1. Imran opens the "Generate Report" section.
- 2. He selects the last month as the date range.
- 3. He generates a report detailing expenses, income, and savings.
- 4. Imran reviews the report to assess financial trends.

Task Closure: Imran gains insights into her financial situation for the past month, aiding her in planning potential adjustments.

Meet Zainab, a Freelancer

Calculate Expenses

Task Description: Zainab, a freelancer, needs to track and record work-related expenses accurately using the finance tracking system.

Task Flow:

- 1. Zainab accesses the "Calculate Expenses" section.
- 2. He enters expenses for project-specific costs and supplies.
- 3. Categorizing expenses, he records all work-related expenditures.
- 4. Zainab saves the entered expenses for better financial management.

Task Closure: Zainab ensures that all relevant work expenses are correctly recorded for financial clarity and tax purposes.

Meet Sofia, a Small Business Owner

Set Budget/Goals

Task Description: Sofia, a small business owner, sets up budget limits and financial goals for her business using the finance tracking system.

Task Flow:

- 1. Sofia accesses the "Set Budget/Goals" feature.
- 2. She defines monthly spending limits for various business categories (e.g., marketing, operations, supplies).
- 3. Sofia sets savings goals for business expansion plans.
- 4. After confirming and saving the settings, she ensures they align with her business financial plan.

Task Closure: Sofia confirms that the set budget and savings goals are in line with her business's financial aspirations.

Meet Ahad, a Young Professional

Show Monthly Incomes

Task Description: Ahad wants to track his monthly incomes as a young professional using the finance tracking system.

Task Flow:

- 1. Ahad navigates to the "Show Monthly Incomes" feature.
- 2. He selects the desired month to review.
- 3. Analyzing sources of income received in that period, he notes any irregularities or fluctuations.

Task Closure: Ahad gains insights into his monthly income patterns, aiding him in managing his finances effectively.

Meet Sehrish, a Travel Enthusiast

Generate Report

Task Description: Sehrish wants to create a financial report to analyze his expenses and savings related to travel using the finance tracking system.

Task Flow:

- 1. Sehrish accesses the "Generate Report" section in the finance tracking system.
- 2. She selects the travel period (e.g., last vacation or the past six months).
- 3. Generating a report, he reviews expenses, savings, and income specifically related to travel.

Task Closure: Sehrish gains insights into his travel-related financial patterns, aiding in future trip budgeting and financial planning.

Meet Olivia, a Household Manager

Tax Calculation for Household Expenses

Task Description: Olivia aims to calculate tax deductions and manage household expenses for tax purposes using the finance tracking system.

Task Flow:

- Olivia accesses the "Tax Calculation" feature designed for household expenses in the finance tracking system.
- 2. She inputs various household expenses (utilities, mortgage interest, home office deductions, etc.) for the tax year.
- 3. The system computes eligible tax deductions based on household expense data.

Task Closure: Olivia ensures that the system accurately calculates eligible tax deductions related to household expenses, aiding in tax planning and reducing taxable income.

Task Sorting Exercise:

• Expense Tracking:

- 1. Adding expenses
- 2. Categorize Expense
- 3. Edit or Delete an Expense
- 4. View Expenses
- 5. Search for a specific expense

• Income Tracking:

- 1. Adding Income
- 2. Categorize Income Source
- 3. Edit or Delete Income Source
- 4. View Income Source

• Budgeting:

- 1. Add a Budget for an expense
- 2. Add a Budget Limit for an Expense Category
- 3. View Budget vs Actual Spending
- 4. View/Edit/ Delete a specific budget or Budget category.

Reporting:

- 1. View Monthly Finance Report
- 2. Customize Report Parameters (duration, category, account)
- 3. Set/Edit default duration for report.
- 4. Export Report

Bill Payment:

- 1. Add a Bill Payment Reminder
- 2. View Bill Payment History

• Security and Privacy Setting:

- 1. Change Password
- 2. Add Two Factor Authentication.
- 3. Change Username/Personal Information

Financial Goals:

- 1. Define a specific Financial Goal
- 2. Set/Edit Target amount for a Goal
- 3. Set/Edit Target Due date to achieve the goal.
- 4. Assign priority to a specific goal.
- 5. Add funds for a specific goal.
- 6. Allocate a specific amount of income for a specific goal.
- 7. View All Financial Goals
- 8. Mark a goal as completed
- 9. Delete a financial Goal

• Tax Preparation:

- 1. Calculate taxable income and deductions.
- 2. Reminders for file tax returns accurately and on time.

• Debt Management :

- 1. Loan Tracking
- 2. Debt Payment Reminders
- 3. Interest and Principal Breakdown
- 4. Credit Impact Report

User Task Organization Model:

