

The background features decorative elements in the corners: a grid of small circles in the top-right and bottom-left, and overlapping geometric lines and rectangles in the top-left and bottom-right.

EXPENSE TRACKER USING C++

By Atharv Padile

Project on Personal Finance Management

INTRODUCTION

What is an Expense Tracker?

- A tool to monitor and categorize personal expenses.
- Helps in budgeting and understanding spending patterns.

Objective of the Project:

- To develop a simple, efficient expense tracking tool in C++.
- Key Features: Adding expenses, viewing records, categorizing

PROJECT OVERVIEW

KEY COMPONENTS:

- User Interface (console-based)
- Data Storage (file handling or arrays)
- Expense Categorization (food, travel, utilities, etc.)
- Report Generation (daily, weekly, monthly)
- Programming Language: C++

SYSTEM REQUIREMENTS

- Platform: Runs on any system with a C++ compiler
- Libraries Used: `<iostream>`, `<fstream>`, `<iomanip>`
- Input/Output: Console-based input and output

DESIGN

- Classes and Objects:
 - Expense: Class to represent an expense record
 - ExpenseTracker: Class for managing expenses (adding, deleting, reporting)
 - Key Methods:
 - addExpense()
 - viewExpenses()
 - generateReport()

CONCLUSION

Summary:

- Recap of the project goals, features, and outcomes

Learning Experience:

- Skills learned (C++ file handling, OOP concepts, problem-solving)

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THANK YOU

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