

Python Expense Tracker - Project Brief

Introduction

Create a Python program that helps users track their daily expenses. The application will allow users to log expenses, categorize them, and view a summary of their spending.

Project Requirements

1. **Welcome Message:** Display a welcome message to the user.
2. **Log Expense:**
 - Ask for the expense amount.
 - Ask for the expense category (e.g., Food, Transport, Entertainment).
 - Ask for a description of the expense.
3. **Store Data:** Save the expense data (use a list or dictionary).
4. **Display Summary:**
 - Show the total amount spent.
 - Show the total amount spent in each category.
 - Show a list of all expenses with their details.
5. **Data Validation:** Ensure valid input by checking that the user enters a positive number for the amount and selects a valid category.
6. **Thank You Message:** Thank the user for using the expense tracker.

Design Considerations

- Structure your program to include clear main functions and subroutines.
- Ensure your code is modular and readable.