

Application

Project - Expense Tracker using Python

Respected ma'am
With due respect It's brief detail of our
Project (Expense Tracker using Python). This is
Final outcome of our whole Python Training
conducted by Sumit Bajaj Sir.

This Project consist of Python code with function
and Module.

Team Member

Jasvant - B.Tech (A.I) - 2207861520020

Nishant Sengar - B.Tech (A.I) - 2207861520034

Faculty Signature:

Ayushi Gupta,

forwarded to Dr. Garima
Srivastava ma'am


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while True:
    print("Select the category of your expense.")
    for i, category_name in enumerate(expense_categories):
        print(f"{i+1}. {category_name}")

    value_range = f"[1-{len(expense_categories)}]"
    selected_index = int(input(f"Enter the category number ((value_range)): ") - 1)

    if selected_index in range(len(expense_categories)):
        selected_category = expense_categories[selected_index]
        print(selected_category)

        new_expense = Expense(name=expense_name, category=selected_category, amount=expense_amount)

        return new_expense
    else:
        print("Invalid category")

def save_to_file(expense, expense_file_path):
    print(f"Saving the expense to file: {expense} at {expense_file_path}")
    with open(expense_file_path, "a") as file:
        file.write(f"{expense.name},{expense.category},{expense.amount}\n")

def summarize_expenses(expense_file_path, budget):
    print("Summary of user expenses:")
    expenses = []
    with open(expense_file_path, 'r') as f:
        lines = f.readlines()
        for line in lines:
            expense_name, expense_category, expense_amount = line.strip().split(",")
            print(f"{expense_name} {expense_amount} {expense_category}")
            line_expense = Expense(name=expense_name, amount=float(expense_amount), category=expense_category)
            expenses.append(line_expense)

    amount_by_category = {}
    for expense in expenses:
        key = expense.category

        if key in amount_by_category:
```

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project.py - C:/Users/Admin/OneDrive/Desktop/project.py (3.12.1)
File Edit Format Run Options Window Help
def summarize_expenses(expense_file_path, budget):
    print("Summary of user expenses:")
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    with open(expense_file_path, 'r') as f:
        lines = f.readlines()
        for line in lines:
            expense_name, expense_category, expense_amount = line.strip().split(",")
            print(f"{expense_name} {expense_amount} {expense_category}")
            line_expense = Expense(name=expense_name, amount=float(expense_amount), category=expense_category)
            expenses.append(line_expense)

    amount_by_category = {}
    for expense in expenses:
        key = expense.category

        if key in amount_by_category:
            amount_by_category[key] += expense.amount
        else:
            amount_by_category[key] = expense.amount

    print("Your expenses by category:")
    for key, amount in amount_by_category.items():
        print(f"{key}: {amount}")

    total_spent = sum([x.amount for x in expenses])
    print(f"Total spent: {total_spent:.2f}")

    remaining_budget = budget - total_spent
    print(f"Remaining budget: {remaining_budget:.2f}")

    now = datetime.datetime.now()
    days_in_month = calendar.monthrange(now.year, now.month)[1]
    remaining_days = days_in_month - now.day
    print(f"Remaining days in the month: {remaining_days}")

    daily_budget = remaining_budget / remaining_days
    print("Daily budget:", daily_budget)

if __name__ == "__main__":
    main()
```

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File Home Insert Page Layout Formulas

A1 X ✓ fx travelling

	A	B	C	D	E
1	travelling	misc	2000		
2	temple	misc	5000		
3	party	Food	2000		
4	games	Fun	500		
5	rent	Home	12000		
6	stationery	Work	100		
7					