**EXPANSE TRACKER**

import os

import csv

def load\_expenses():

if not os.path.exists("expenses.csv"):

return []

with open("expenses.csv", "r") as file:

return list(csv.DictReader(file))

def save\_expenses(expenses):

with open("expenses.csv", "w", newline="") as file:

fieldnames = ["date", "category", "amount", "description"]

writer = csv.DictWriter(file, fieldnames=fieldnames)

writer.writeheader()

writer.writerows(expenses)

def add\_expense(expenses):

date = input("Enter date (YYYY-MM-DD): ")

category = input("Enter category: ")

amount = input("Enter amount: ")

description = input("Enter description: ")

expenses.append({"date": date, "category": category, "amount": amount, "description": description})

print("Expense added.")

def view\_expenses(expenses):

if not expenses:

print("No expenses recorded.")

return

for expense in expenses:

print(f"Date: {expense['date']}, Category: {expense['category']}, Amount: ${expense['amount']}, Description: {expense['description']}")

def track\_budget(expenses):

budget = float(input("Enter your monthly budget: "))

total\_expenses = sum(float(expense["amount"]) for expense in expenses)

balance = budget - total\_expenses

print(f"Total Expenses: ${total\_expenses:.2f}")

if balance < 0:

print("Warning! You have exceeded your budget.")

else:

print(f"Remaining Balance: ${balance:.2f}")

def expense\_menu():

expenses = load\_expenses()

while True:

print("\nExpense Tracker")

print("1. Add Expense")

print("2. View Expenses")

print("3. Track Budget")

print("4. Save and Exit")

choice = input("Choose an option: ")

if choice == "1":

add\_expense(expenses)

elif choice == "2":

view\_expenses(expenses)

elif choice == "3":

track\_budget(expenses)

elif choice == "4":

save\_expenses(expenses)

break

else:

print("Invalid option")

if \_\_name\_\_ == '\_\_main\_\_':

main()