Python programming and practice

Expenditure Management Program Production Project

Progress Report #2

Date: 2023.12.08

Name: Kim Liha

ID: 204201

1. Introduction

1) Background

People are having a hard time saving due to increased consumption that they don't need due to incorrect consumption habits. You need a program that can simply check your consumption and help you develop the right consumption habits.

2) Project goal

Store the user's expenditure details by content and allow you to check the average consumption per month.

3) Differences from existing programs

If you look at the amount of consumption only in units of numbers, you may not feel it, so you can feel more intuitively how much you saved through the price of the product (e.g., coffee, chicken).

2. Functional Requirement

1) Function 1 1 Expenditure storage function

- ability to store one's spending, calculate the amount of spending for the month.

2) Function 2 User convenience features

- Features that increase convenience and intuition, such as storing fixed monthly expenses. (cell phone bills, utility bills, etc.)

3. Progress

1) 기능 구현

(1) Save Expenditure History

- Enter: Expenditure (spending, amount, date, category)
- Output: Saved
- Explanation: When the user enters the expenditure details, it is saved with the date in the csv file.
- Use csv, function, pandas, numpy, shutil
- code screenshot

2) 테스트 결과

(1) Save Expenditure History

- Enter the expenditure history information from the user and save it to the csv file

커피구매,7000.0,2023-06-05,식비,2023-06-05,2023,6,5,Monday 화장품구매,45000.0,2023-06-10,미용,2023-06-10,2023,6,10,Saturday 전기요금,55000.0,2023-06-15,생활용품,2023-06-15,2023,6,15,Thursday 운동화구매,85000.0,2023-06-20,쇼핑,2023-06-20,2023,6,20,Tuesday 의료진단비,70000.0,2023-06-25,의료/건강,2023-06-25,2023,6,25,Sunday 식료품,52000.0,2023-06-30,식비,2023-06-30,2023,6,30,Friday 여행경비,190000.0,2023-07-05,여행,2023-07-05,2023,7,5,Wednesday 음악강습,55000.0,2023-07-10,취미/교육,2023-07-10,2023,7,10,Monday 의류구매,80000.0,2023-07-15,쇼핑,2023-07-15,2023,7,15,Saturday 전화요금,35000.0,2023-07-20,통신비,2023-07-20,2023,7,20,Thursday 자동차 주유,90000.0,2023-07-25,교통비,2023-07-25,2023,7,25,Tuesday 도서구입,38000.0,2023-07-30,문화,2023-07-30,2023,7,30,Sunday 의료비,50000.0,2023-08-05,의료/건강,2023-08-05,2023,8,5,Saturday 식당외식,42000.0,2023-08-10,식비,2023-08-10,2023,8,10,Thursday 점심,8000.0,2023-12-08,식비,2023-12-08,2023,12,8,Friday 저녁밥,9500.0,2023-12-08,식비,2023-12-08,2023,12,8,Friday

(2) Checking spending history

- If you enter a specific month, output the expenditure history for that month

지출 내역을 조회할 달을 입력해주세요. 예시) 8월> 8: 3							
지출내용	 지출액 	날짜 (2023MMDD)	카테고리				
커피구매 -	8000	 2023-03-05	++ 식비				
화장품구매	50000	2023-03-10	미용				
전기요금	60000	2023-03-15	생활용품 생활용품				
운동화구매	90000	2023-03-20	 쇼핑				
의료진단비	75000	2023-03-25	의료/건강				
+ 식료품 +	48000	2023-03-30	 식비 				

4. Changes in Comparison to the Plan

1) Output expenditure history

- Before: Enter year and month to output history

- After: Limit duration to months

- Reason: I tried to get the year and month intersection but failed because the datetime error continued.

5. Schedule

업무		11/3	11/26	12/8	12/22
제안서 작성		완료	완료	완료	
지출 저장			완료	수정 완료	
내역 출력	기간 지출액			완료	
	평균 지출액			근표	
기능 모듈화					진행중