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Data Structure Project

PROJECT NAME: EXPENSE MANAGER

Features Implemented

- Add expense
- Remove expense
- Set expense goal
- Display Expenses and Expense Goal
- Add notes
- Display notes
- Display spending tips
- Save expenses to a file

Menu

```
Expense Manager

1. Add expense

2. Remove expense

3. Display expenses And Expense Goal

4. Set Expense Goal

5. Add Notes

6. Display Notes

7. Display spending tips

8. Save to file

9. Exit
```

ADDING EXPENSE

Add expenses along with date and category.

```
Enter choice: 1
Enter amount: 30
Enter Category: travel
Enter date (YYYY-MM-DD): 2023-10-08
Expense added.
```

REMOVE EXPENSE

With this feature, you can delete or remove expenses that you've previously added. This can be useful if you make a mistake or if you no longer need to track a specific expense.

Enter choice: 2 Enter index: 2 Expense removed.

Expenses:

1. Amount: 30.00, Description: travel, Date: 2023-10-08

2. Amount: 200.00, Description: entertainment, Date: 2023-10-10

DISPLAY EXPENSES AND EXPENSE GOAL

Display the expenses as a list and also shows the total expenses and shows if you have exceeded the expense goal or not.

Enter choice: 3

Expenses:

1. Amount: 30.00, Description: travel, Date: 2023-10-08
2. Amount: 22.00, Description: food, Date: 2023-10-09

3. Amount: 200.00, Description: entertainment, Date: 2023-10-10

Total expenses: 252.00 Expense goal: 300.00

Congratulations! You Are Within Your Expense Goal

SET EXPENSE GOAL

Setting an expense goal allows you to define a specific financial target. This could be a monthly budget, a savings goal, or any other expense-related objective. The application will help you track your progress toward this goal.

```
Enter choice: 4
Enter expense goal: 300
Expense goal set to 300.00
```

ADD NOTES

This feature allows you to add notes making it easier to understand your spending habits and you can also reduce your spending that way.

```
Enter choice: 5
Enter note title: bill payment
Enter note content: pay current bill on the next monday.
Note Added
```

DISPLAY NOTES

You can display the notes you have previously added. You can analyse these notes and make appropriate decisions.

```
Enter choice: 6
Notes:
Title: bill payment

Content: pay current bill on the next monday
```

DISPLAY SPENDING TIPS

This functionality offers financial advice or tips on how to manage your expenses more effectively. It may provide insights on saving money, budgeting, or making smarter spending choices.

```
Enter choice: 7
Spending Tips:
- Reduce expenses on non-essential items.
- Use coupons to save money.
- Buy in bulk to save money.
- Use Public Transport.
```

SAVE EXPENSES ON FILE

This feature enables you to save your expense data to a file. Saving to a file allows you to keep a backup of your financial records and analyse your spending over time.

```
Enter choice: 8
Enter the filename to save the expenses: expense
Saved to file: expense
```