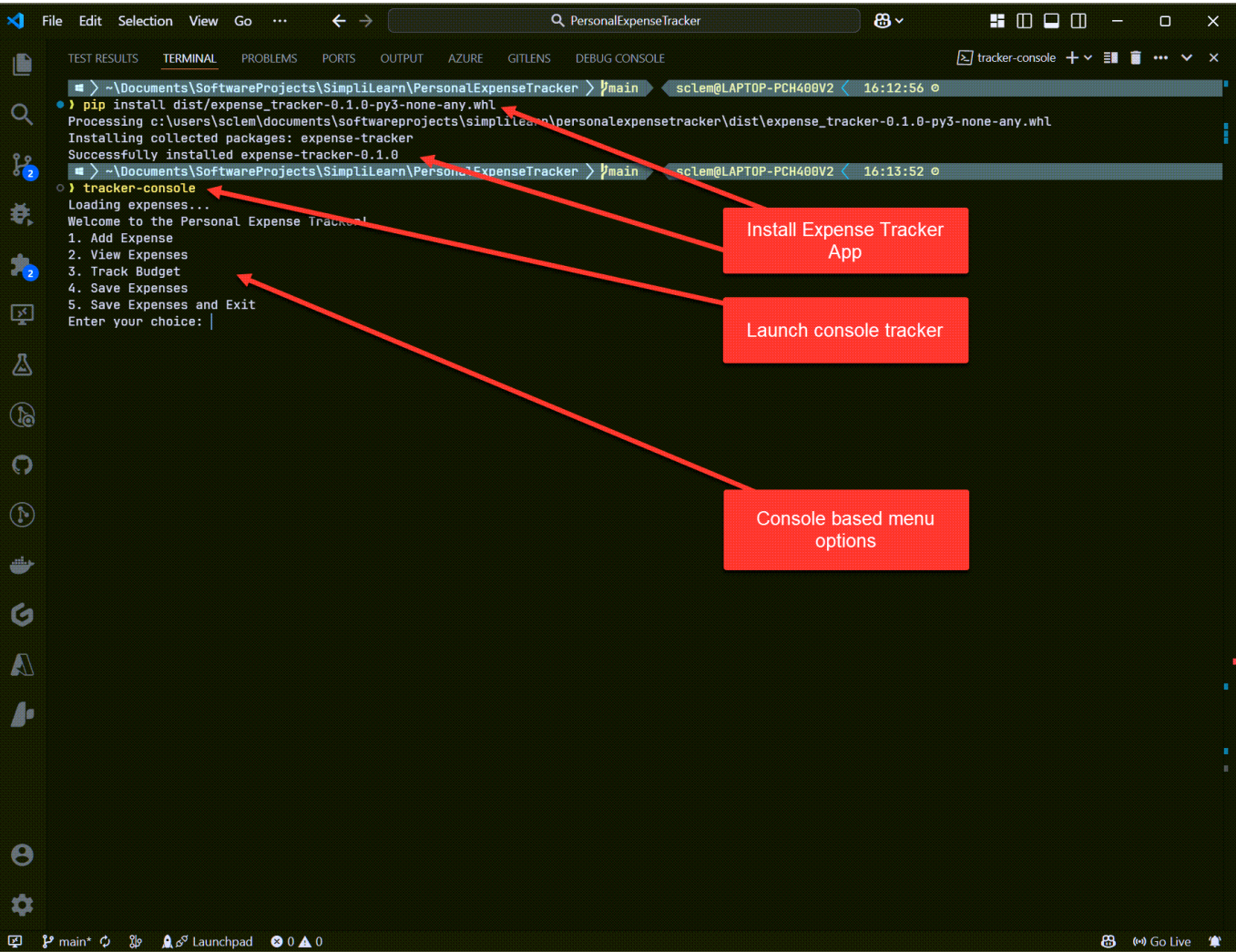


Personal Expense Tracker

Example of running the Personal Expense Tracker application



```
File Edit Selection View Go ... PersonalExpenseTracker
TEST RESULTS TERMINAL PROBLEMS PORTS OUTPUT AZURE GITLENS DEBUG CONSOLE
> pip install dist/expense_tracker-0.1.0-py3-none-any.whl
Processing c:\users\sclem\documents\softwareprojects\simplilearn\personalexpensetracker\dist\expense_tracker-0.1.0-py3-none-any.whl
Installing collected packages: expense-tracker
Successfully installed expense-tracker-0.1.0
> tracker-console
Loading expenses...
Welcome to the Personal Expense Tracker!
1. Add Expense
2. View Expenses
3. Track Budget
4. Save Expenses
5. Save Expenses and Exit
Enter your choice: 2
No expenses found.
1. Add Expense
2. View Expenses
3. Track Budget
4. Save Expenses
5. Save Expenses and Exit
Enter your choice: 1

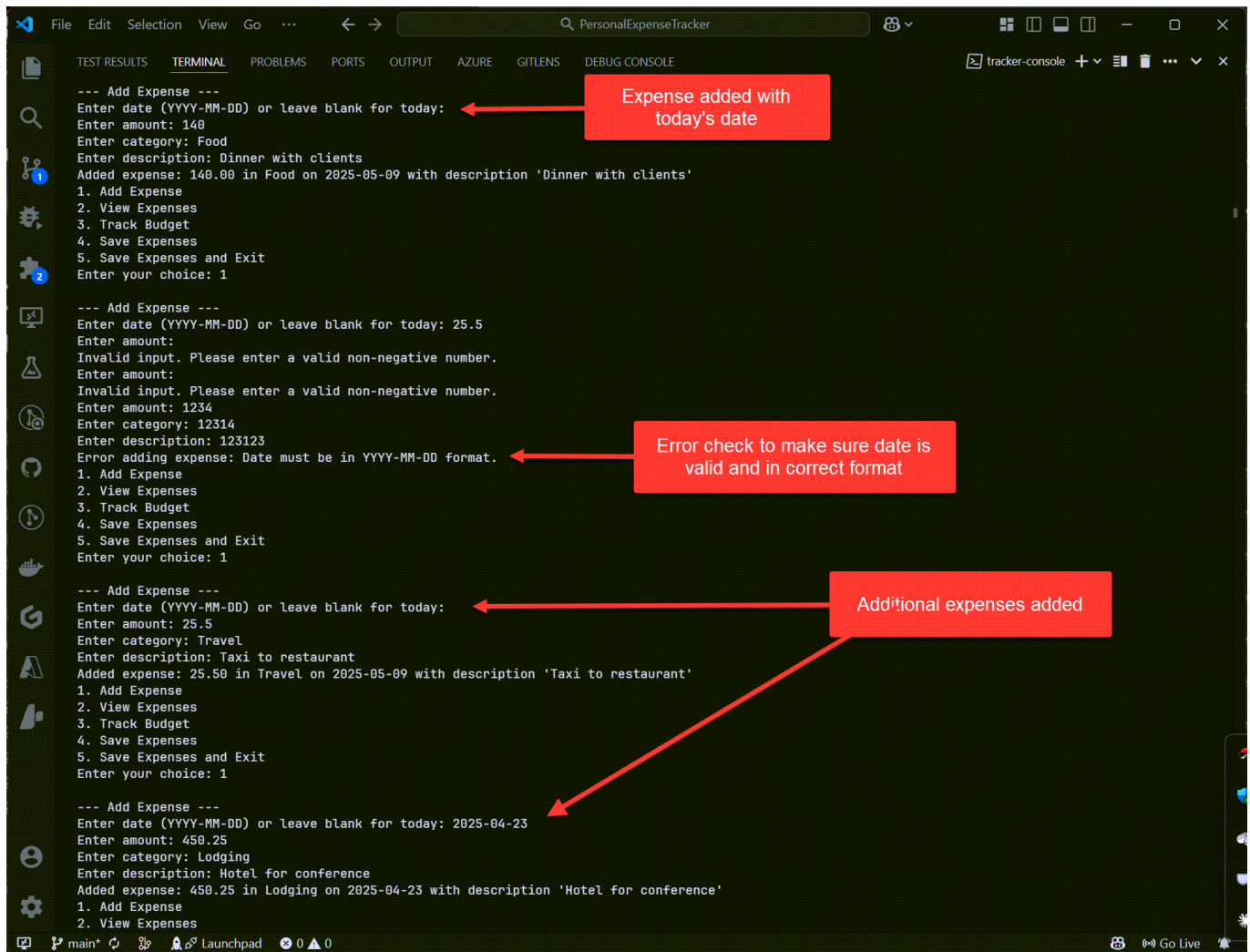
--- Add Expense ---
Enter date (YYYY-MM-DD) or leave blank for today:
Enter amount: 140
Enter category:
Enter description:
Error adding expense: Category must be a non-empty string.
1. Add Expense
2. View Expenses
3. Track Budget
4. Save Expenses
5. Save Expenses and Exit
Enter your choice: 1

--- Add Expense ---
Enter date (YYYY-MM-DD) or leave blank for today:
Enter amount: -140
Amount must be non-negative.
Enter amount: asdfg
Invalid input. Please enter a valid non-negative number.
Enter amount: 140
Enter category: Food
Enter description:
Error adding expense: Description must be a non-empty string.
1. Add Expense
2. View Expenses
3. Track Budget
4. Save Expenses
5. Save Expenses and Exit
Enter your choice: |
```

Launch console tracker

After initial install no expenses exist

Error checking to make sure each field is correctly specied and the entered amount is a valid, positive, float



```
--- Add Expense ---
Enter date (YYYY-MM-DD) or leave blank for today: 
Enter amount: 140
Enter category: Food
Enter description: Dinner with clients
Added expense: 140.00 in Food on 2025-05-09 with description 'Dinner with clients'
1. Add Expense
2. View Expenses
3. Track Budget
4. Save Expenses
5. Save Expenses and Exit
Enter your choice: 1

--- Add Expense ---
Enter date (YYYY-MM-DD) or leave blank for today: 25.5
Enter amount: 
Invalid input. Please enter a valid non-negative number.
Enter amount: 
Invalid input. Please enter a valid non-negative number.
Enter amount: 1234
Enter category: 12314
Enter description: 123123
Error adding expense: Date must be in YYYY-MM-DD format.
1. Add Expense
2. View Expenses
3. Track Budget
4. Save Expenses
5. Save Expenses and Exit
Enter your choice: 1

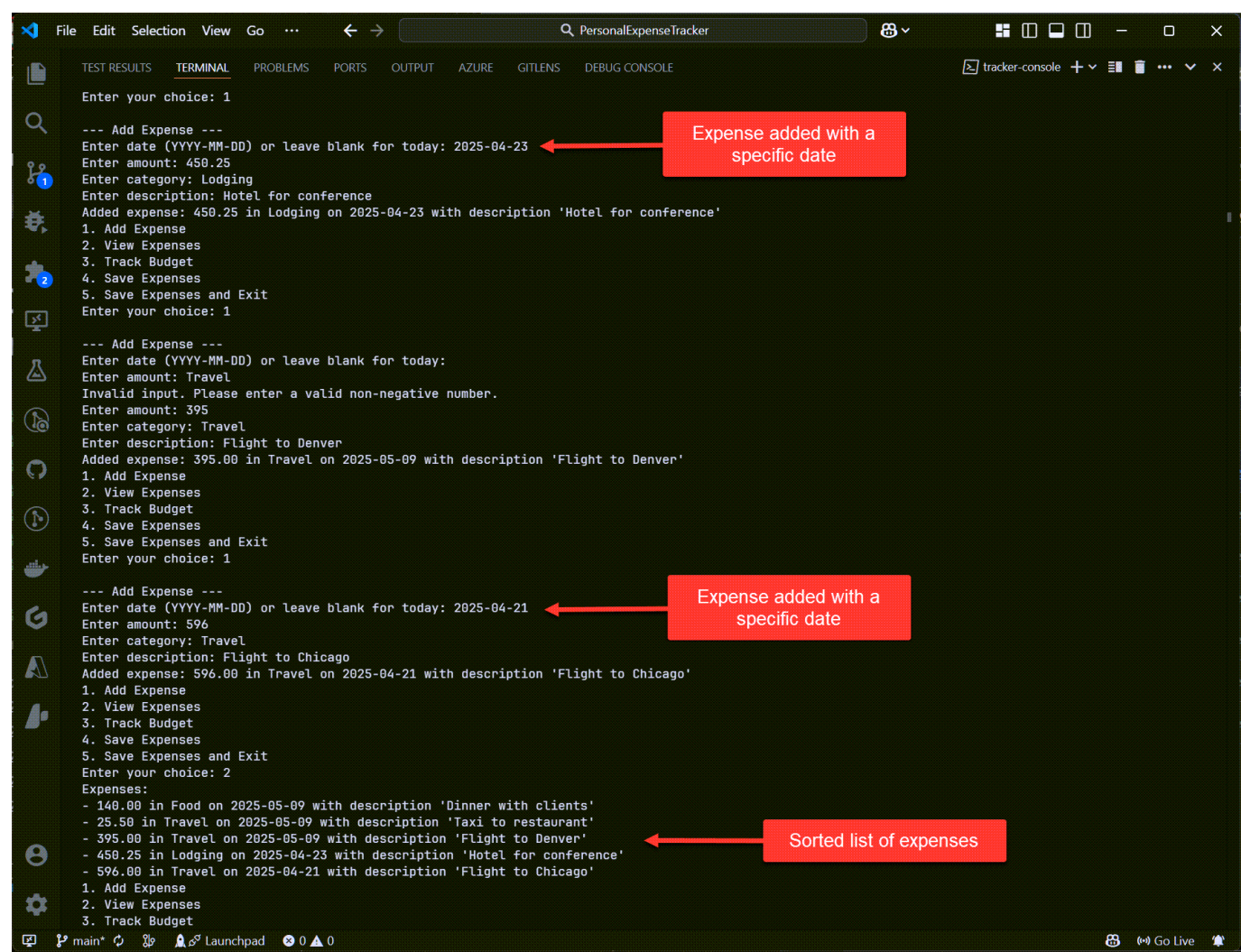
--- Add Expense ---
Enter date (YYYY-MM-DD) or leave blank for today: 
Enter amount: 25.5
Enter category: Travel
Enter description: Taxi to restaurant
Added expense: 25.50 in Travel on 2025-05-09 with description 'Taxi to restaurant'
1. Add Expense
2. View Expenses
3. Track Budget
4. Save Expenses
5. Save Expenses and Exit
Enter your choice: 1

--- Add Expense ---
Enter date (YYYY-MM-DD) or leave blank for today: 2025-04-23
Enter amount: 450.25
Enter category: Lodging
Enter description: Hotel for conference
Added expense: 450.25 in Lodging on 2025-04-23 with description 'Hotel for conference'
1. Add Expense
2. View Expenses
```

Expense added with today's date

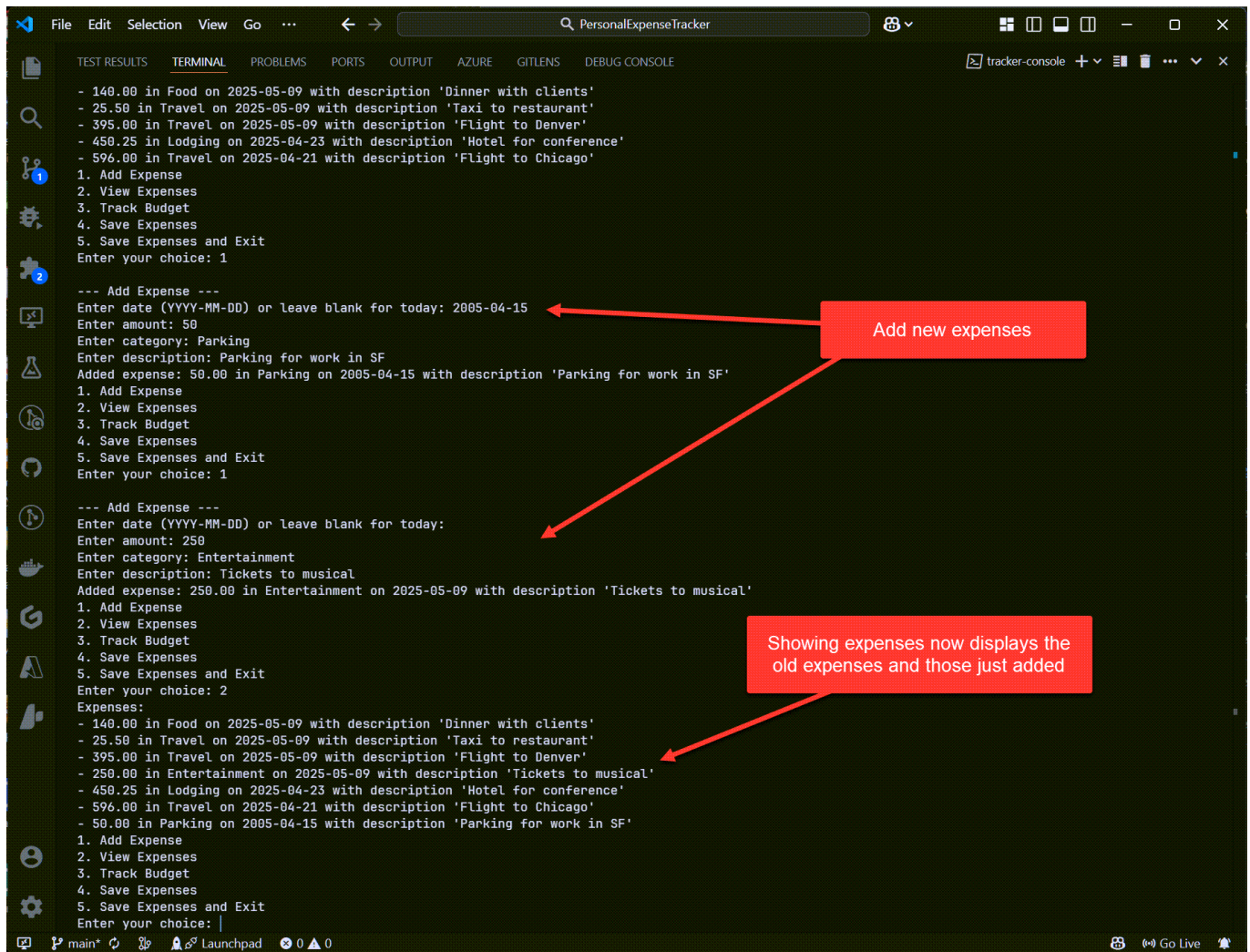
Error check to make sure date is valid and in correct format

Additional expenses added



Budget calculation and whether expense exceed the budget is based on current month (May).

Saved expenses are loaded the next time the app is started



```
File Edit Selection View Go ... PersonalExpenseTracker
TEST RESULTS TERMINAL PROBLEMS PORTS OUTPUT AZURE GITLENS DEBUG CONSOLE
- 140.00 in Food on 2025-05-09 with description 'Dinner with clients'
- 25.50 in Travel on 2025-05-09 with description 'Taxi to restaurant'
- 395.00 in Travel on 2025-05-09 with description 'Flight to Denver'
- 450.25 in Lodging on 2025-04-23 with description 'Hotel for conference'
- 596.00 in Travel on 2025-04-21 with description 'Flight to Chicago'
1. Add Expense
2. View Expenses
3. Track Budget
4. Save Expenses
5. Save Expenses and Exit
Enter your choice: 1

--- Add Expense ---
Enter date (YYYY-MM-DD) or leave blank for today: 2005-04-15
Enter amount: 50
Enter category: Parking
Enter description: Parking for work in SF
Added expense: 50.00 in Parking on 2005-04-15 with description 'Parking for work in SF'
1. Add Expense
2. View Expenses
3. Track Budget
4. Save Expenses
5. Save Expenses and Exit
Enter your choice: 1

--- Add Expense ---
Enter date (YYYY-MM-DD) or leave blank for today:
Enter amount: 250
Enter category: Entertainment
Enter description: Tickets to musical
Added expense: 250.00 in Entertainment on 2025-05-09 with description 'Tickets to musical'
1. Add Expense
2. View Expenses
3. Track Budget
4. Save Expenses
5. Save Expenses and Exit
Enter your choice: 2
Expenses:
- 140.00 in Food on 2025-05-09 with description 'Dinner with clients'
- 25.50 in Travel on 2025-05-09 with description 'Taxi to restaurant'
- 395.00 in Travel on 2025-05-09 with description 'Flight to Denver'
- 250.00 in Entertainment on 2025-05-09 with description 'Tickets to musical'
- 450.25 in Lodging on 2025-04-23 with description 'Hotel for conference'
- 596.00 in Travel on 2025-04-21 with description 'Flight to Chicago'
- 50.00 in Parking on 2005-04-15 with description 'Parking for work in SF'
1. Add Expense
2. View Expenses
3. Track Budget
4. Save Expenses
5. Save Expenses and Exit
Enter your choice: |
```

Add new expenses

Showing expenses now displays the old expenses and those just added

```
File Edit Selection View Go ... PersonalExpenseTracker
TEST RESULTS TERMINAL PROBLEMS PORTS OUTPUT AZURE GITLENS DEBUG CONSOLE
3. Track Budget
4. Save Expenses
5. Save Expenses and Exit
Enter your choice: 2
Expenses:
- 140.00 in Food on 2025-05-09 with description 'Dinner with clients'
- 25.50 in Travel on 2025-05-09 with description 'Taxi to restaurant'
- 395.00 in Travel on 2025-05-09 with description 'Flight to Denver'
- 250.00 in Entertainment on 2025-05-09 with description 'Tickets to musical'
- 450.25 in Lodging on 2025-04-23 with description 'Hotel for conference'
- 596.00 in Travel on 2025-04-21 with description 'Flight to Chicago'
- 50.00 in Parking on 2005-04-15 with description 'Parking for work in SF'
1. Add Expense
2. View Expenses
3. Track Budget
4. Save Expenses
5. Save Expenses and Exit
Enter your choice: 4
Expenses saved.
1. Add Expense
2. View Expenses
3. Track Budget
4. Save Expenses
5. Save Expenses and Exit
Enter your choice: 5
Expenses saved.
Exiting...
C:\Documents\SoftwareProjects\simplyLearn\PersonalExpenseTracker > .\main
tracker-console
Loading expenses...
Welcome to the Personal Expense Tracker!
1. Add Expense
2. View Expenses
3. Track Budget
4. Save Expenses
5. Save Expenses and Exit
Enter your choice: 2
Expenses:
- 140.00 in Food on 2025-05-09 with description 'Dinner with clients'
- 25.50 in Travel on 2025-05-09 with description 'Taxi to restaurant'
- 395.00 in Travel on 2025-05-09 with description 'Flight to Denver'
- 250.00 in Entertainment on 2025-05-09 with description 'Tickets to musical'
- 450.25 in Lodging on 2025-04-23 with description 'Hotel for conference'
- 596.00 in Travel on 2025-04-21 with description 'Flight to Chicago'
- 50.00 in Parking on 2005-04-15 with description 'Parking for work in SF'
1. Add Expense
2. View Expenses
3. Track Budget
4. Save Expenses
5. Save Expenses and Exit
Enter your choice: |
```

Saving and reloading the updated expenses behaves the same way, all expenses are re-loaded