

Code Screenshot for OOPS project iteration-1:

```
PS C:\Users\nitan\OneDrive\Desktop\coding\java\SmartExpenseManager> cd "c:\Users\nitan\OneDrive\Desktop\coding\java\SmartExpenseManager\" ; if ($?) {  
javac ExpenseManager.java } ; if ($?) { java ExpenseManager }  
Welcome to the Smart Expense Manager!  
  
--- MENU ---  
1. Set Budget  
2. Add Income  
3. Add Expense  
4. Show Transactions  
5. Show Balance  
6. Exit  
Choose an option: 2  
Enter income description: Job  
Enter amount: $15000  
Enter date (MM-DD-YYYY): 03-01-2025  
Income added successfully! Total Balance: $15000.0  
  
--- MENU ---  
1. Set Budget  
2. Add Income  
3. Add Expense  
4. Show Transactions  
5. Show Balance  
6. Exit  
Choose an option: 1  
Enter budget: $8000  
Budget set to: $8000.0  
  
--- MENU ---  
1. Set Budget  
2. Add Income  
3. Add Expense  
4. Show Transactions  
5. Show Balance  
6. Exit  
Choose an option: 3  
Enter expense description: Grocery  
Enter amount: $764  
Enter date (MM-DD-YYYY): 03-03-2025  
Enter category: card  
Expense added successfully! Remaining Balance: $14236.0
```

```
Enter expense description: Grocery
Enter amount: $764
Enter date (MM-DD-YYYY): 03-03-2025
Enter category: card
Expense added successfully! Remaining Balance: $14236.0
```

```
--- MENU ---
```

1. Set Budget
2. Add Income
3. Add Expense
4. Show Transactions
5. Show Balance
6. Exit

```
Choose an option: 3
```

```
Enter expense description: Movie
Enter amount: $89
Enter date (MM-DD-YYYY): 03-09-2025
Enter category: card
Expense added successfully! Remaining Balance: $14147.0
```

```
--- MENU ---
```

1. Set Budget
2. Add Income
3. Add Expense
4. Show Transactions
5. Show Balance
6. Exit

```
Choose an option: 3
```

```
Enter expense description: Trip
Enter amount: $5321
Enter date (MM-DD-YYYY): 03-15-2025
Enter category: cash
Expense added successfully! Remaining Balance: $8826.0
```

```
--- MENU ---
```

1. Set Budget
2. Add Income
3. Add Expense
4. Show Transactions
5. Show Balance
6. Exit

```

Enter category: cash
Expense added successfully! Remaining Balance: $8826.0

--- MENU ---
1. Set Budget
2. Add Income
3. Add Expense
4. Show Transactions
5. Show Balance
6. Exit
Choose an option: 4

--- Transaction History ---
ID: 5ab36b9d-851b-48f9-a5e5-705ac9da8367 | Date: 03-01-2025 | Description: Job | Amount: +$15000.00
ID: 4bd9ad6a-2b61-4dd7-8b81-9276f078d51e | Date: 03-03-2025 | Category: card | Description: Grocery | Amount: -$764.00
ID: 92b33cea-56fd-483d-bbd3-1141fc78338d | Date: 03-09-2025 | Category: card | Description: Movie | Amount: -$89.00
ID: ed126ffc-d56b-4b91-a918-e968bf53fe2f | Date: 03-15-2025 | Category: cash | Description: Trip | Amount: -$5321.00
-----
Total Income: $15000.00 | Total Expenses: $6174.00 | Remaining Balance: $8826.00

--- MENU ---
1. Set Budget
2. Add Income
3. Add Expense
4. Show Transactions
5. Show Balance
6. Exit
Choose an option: 5
Remaining Balance: $8826.00

--- MENU ---
1. Set Budget
2. Add Income
3. Add Expense
4. Show Transactions
5. Show Balance
6. Exit
Choose an option: 6
Exiting Smart Expense Manager... Goodbye!
PS C:\Users\nitan\OneDrive\Desktop\coding\java\SmartExpenseManager> 

```