Code Test Cases: **Aadesh and Noah**
1. User is able to view pre-loaded transactions
2. User is unable to view non-existent transactions.
3. User is able to add transaction with positive value
    a. User is able to add transaction with a description
    b. User is able to add transaction with a specific date
4. User is unable to add transaction with negative value
5. User is able to view newly added transaction
6. User is able to categorize transactions (under food, shopping, etc.).

Identifying input values for use case-based testing

Input Element	Type	Value Specs	Valid	Invalid	Exceptional Cases
amount	float	Must be from 1 to 99,999	Amount satisfies the value specs	Amount does not satisfy the value specs	0, negative amount or a very large number, <blank>
description	string	Must be a string of max char length of 100	Description satisfies the value specs	Description does not satisfy the value specs	<blank>
UI Test Cases?					

Test case generation for use case-based testing

Test Case	amount	description	Expected Outcome
1	Valid	Valid	Shows success message
2	Invalid	Valid	Shows error message
3	Valid	Invalid	Shows error message
4	~~Invalid~~	~~Invalid~~	
5	Exceptional	Valid	Shows error message
6	~~Exceptional~~	~~Invalid~~	
7	Valid	Exceptional	Shows confirmation message
8	~~Invalid~~	~~Exceptional~~	

Use case-based tests

Test Case	amount	description	Expected Outcome
1	120	Groceries from ALDI	"Success", "Transaction added successfully!"
2	10 axbb!	Groceries from ALDI	"Error", "Please enter a valid amount"
3	120	Groceries with many many many many many many many many many many many many many many many many many many many many many many many many many many many many apples	"Error", "Character limit reached"
5.1	-100	Groceries from ALDI	"Error", "Please enter a valid amount"
5.2	0	Groceries from ALDI	"Error", "Please enter a valid amount"
5.3	99999999999999999999 99999999999999999999	Groceries from ALDI	"Success", "Transaction added successfully!"
5.4	<blank>	Groceries from ALD	"Error", "Please enter a valid amount"
7	120	<blank>	"Success", "Transaction added successfully!"
~~8~~	~~10axbb!~~	~~<blank>~~	~~"Error", "Please enter a valid amount"~~

Concrete test cases using unittest (built-in) or pytest