Group Expenses System Test Plan

Test ID	Description	Expected Results	Actual Results
Test 1: testAddExpenseGroup	[Test adding an expense to a group] *Preconditions: There is a group named "A", Group A has no current expenses in it and has a group size of 5* 1. Type /add 2. select Group 3. Type A 4. From Calendar Choose Date Nov 24th 2024 5. Choose Food 6. Type 200	*The Application Responds with the following messages* "Expense of $200.0 for 'Food' added to group 'A' on 24-Nov-2024." "Each member now owes: $40.00" *In group.json in the "A" tag of the structure* In the expenses there is an object with the following content "date": "24-Nov-2024 "category": food "amount": 200.0 "hash": *### *In expense_record.json under "groupdata"* There is a string with the following content ""24-Nov-2024,Food,40.0, A,*###" *Note the hash is random but should be the same between group.json and expense_record.json"*	The Application Responds with the following messages "Expense of $200.0 for 'Food' added to group 'A' on 24-Nov-2024." "Each member now owes: $40.00" In group.json in the "A" tag of the structure In the expenses there is an object with the following llcontent "date": "24-Nov-2024 "category": food "amount": 200.0 "hash": *### In expense_record.json under "groupdata" There is a string with the following content ""24-Nov-2024,Food ,40.0,A,*###"
Test 2: testAddExpense2Groups	[Test adding an expense to a group, then adding another to a	The Application Responds with the following	The Application Responds with the

		messages	following messages
	different group]	"Expense of $200.0 for 'Food' added to group 'A' on 24-Nov-2024."	"Expense of $200.0 for 'Food' added to group 'A' on 24-Nov-2024."
	Preconditions: There is a group named "A", Group A has no current expenses in it and has a group size of 5.	"Each member now owes: $40.00"	"Each member now owes: $40.00"
	There is a group named "B", Group B has no current expenses in it and has a group size of 5.	—	—
	1. Type /add	"Expense of $300.0 for 'Food' added to group 'B' on 24-Nov-2024."	"Expense of $300.0 for 'Food' added to group 'B' on 24-Nov-2024."
	2. select Group	"Each member now owes: $60.00"	"Each member now owes: $60.00"
	3. Type A	In group.json in the "A" tag of the structure	In group.json in the "A" tag of the structure
	4. From Calendar Choose Date Nov 24th 2024	In the expenses there is an object with the following content	In the expenses there is an object with the following content
	5. Choose Food	"date": "24-Nov-2024	"date": "24-Nov-2024
	6. Type 200	"category": food	"category": food
	7. Type /add	"amount": 200.0	"amount": 200.0
	8. select Group	"hash": *###1	"hash": *###1
	9. Type B		
	10. From Calendar Choose Date Nov 24th 2024	In group.json in the "B" tag of the structure	In group.json in the "B" tag of the structure
	11. Choose Food	In the expenses there is an object with the following content	In the expenses there is an object with the following content
	12. Type 300	"date": "24-Nov-2024	"date": "24-Nov-2024
		"category": food	
		"amount": 300.0	
		"hash": *###2	
		In expense_record.json under "groupdata"	
		There following strings are	

		in groupdata	"category": food
		""24-Nov-2024,Food,40.0, A,*###1"	"amount": 300.0
		""24-Nov-2024,Food,60.0, B,*###2"	"hash": *###2
		*Note the hash is random but should be the same between group.json and expense_record.json"	In expense_record.json under "groupdata"
			There following strings are in groupdata
			""24-Nov-2024,Food ,40.0,A,*###1"
			""24-Nov-2024,Food ,60.0,B,*###2"
Test 3: testAddExpenseGroup+Individual	[Test adding an expense to a group, then adding an expense to the individual] *Preconditions: There is a group named "A", Group A has no current expenses in it and has a group size of 5* 1. Type /add 2. select Group 3. Type A 4. From Calendar Choose Date Nov 24th 2024 5. Choose Food 6. Type 200 7. Type /add 8. select Individual 9. From Calendar Choose Date Nov 24th 2024	The Application Responds with the following messages "Expense of $200.0 for 'Food' added to group 'A' on 24-Nov-2024." "Each member now owes: $40.00" — "The following expenditure has been recorded: You have spent $100.0 for Food on 24-Nov-2024" "Budget Exceded! Expenditure exceeds the budget by $200.0" — In group.json in the "A" tag of the structure In the expenses there is	The Application Responds with the following messages "Expense of $200.0 for 'Food' added to group 'A' on 24-Nov-2024." "Each member now owes: $40.00" — "The following expenditure has been recorded: You have spent $100.0 for Food on 24-Nov-2024" "Budget Exceded! Expenditure exceeds the budget by $200.0"

	10. Choose Food 11. Type 100 12. Select no for credit	an object with the following content "date": "24-Nov-2024 "category": food "amount": 200.0 "hash": *### In expense_record.json under "groupdata" There is a string with the following content ""24-Nov-2024,Food,40.0,A,*###" *Note the hash is random but should be the same between group.json and expense_record.json" In expense_record.json under "data" There is a string with the following content "24-Nov-2024,Food,100.0"	— In group.json in the "A" tag of the structure In the expenses there is an object with the following content "date": "24-Nov-2024 "category": food "amount": 200.0 "hash": *### In expense_record.json under "groupdata" There is a string with the following content ""24-Nov-2024,Food,40.0,A,*###" *Note the hash is random but should be the same between group.json and expense_record.json" In expense_record.json under "data" There is a string with the following content "24-Nov-2024,Food,100.0"

| Test 4: testGroupErrorInputs | [Test adding a negative expense to a group]

Preconditions: There is a group named "A", Group A has no current expenses in it and has a group size of 5

1. Type /add

2. select Group

3. Type A

4. From Calendar Choose Date Nov 24th 2024

5. Choose Food

6. Type -200 | The Application Responds with the following messages

"Oh no. Spent amount has to be a non-zero number."

There are no new changes to either groups.json or expense_record.json | The Application Responds with the following messages

"Oh no. Spent amount has to be a non-zero number."

There are no new changes to either groups.json or expense_record.json |