

Group Expenses System Test Plan

Test ID	Description	Expected Results	Actual Results
Test 1: Test adding an expense to a group	<p><i>Preconditions: There is a group named "A", Group A has no current expenses in it and has a group size of 5</i></p> <ol style="list-style-type: none"> 1. Type /add 2. select Group 3. Type A 4. From Calendar Choose Date Nov 24th 2024 5. Choose Food 6. Type 200 	<p><i>The Application Responds with the following messages</i></p> <p>"Expense of \$200.0 for 'Food' added to group 'A' on 24-Nov-2024."</p> <p>"Each member now owes: \$40.00"</p> <p><i>In group.json in the "A" tag of the structure</i></p> <p>In the expenses there is an object with the following content</p> <p>"date": "24-Nov-2024"</p> <p>"category": food</p> <p>"amount": 200.0</p> <p>"hash": *###</p> <p><i>In expense_record.json under "groupdata"</i></p> <p>There is a string with the following content</p> <p>"24-Nov-2024,Food,40.0,A,*###"</p> <p><i>*Note the hash is random but should be the same between group.json and expense_record.json</i></p>	<p>The Application Responds with the following messages</p> <p>"Expense of \$200.0 for 'Food' added to group 'A' on 24-Nov-2024."</p> <p>"Each member now owes: \$40.00"</p> <p>In group.json in the "A" tag of the structure</p> <p>In the expenses there is an object with the following content</p> <p>"date": "24-Nov-2024"</p> <p>"category": food</p> <p>"amount": 200.0</p> <p>"hash": *###</p> <p>In expense_record.json under "groupdata"</p> <p>There is a string with the following content</p> <p>"24-Nov-2024,Food,40.0,A,*###"</p>
Test 2: Test adding an expense to a	<p><i>Preconditions: There is a group named "A", Group A has no current expenses in it and has a</i></p>	The Application Responds with the following	

group, then adding another to a different group	<p><i>group size of 5.</i></p> <p><i>There is a group named "B", Group B has no current expenses in it and has a group size of 5.</i></p> <ol style="list-style-type: none"> 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 Group 9. Type B 10. From Calendar Choose Date Nov 24th 2024 11. Choose Food 12. Type 300 	<p>messages</p> <p>"Expense of \$200.0 for 'Food' added to group 'A' on 24-Nov-2024."</p> <p>"Each member now owes: \$40.00"</p> <p>—</p> <p>"Expense of \$300.0 for 'Food' added to group 'B' on 24-Nov-2024."</p> <p>"Each member now owes: \$60.00"</p> <p>In group.json in the "A" tag of the structure</p> <p>In the expenses there is an object with the following content</p> <p>"date": "24-Nov-2024"</p> <p>"category": food</p> <p>"amount": 200.0</p> <p>"hash": *###1</p> <p>In group.json in the "B" tag of the structure</p> <p>In the expenses there is an object with the following content</p> <p>"date": "24-Nov-2024"</p> <p>"category": food</p> <p>"amount": 300.0</p> <p>"hash": *###2</p> <p>In expense_record.json under "groupdata"</p> <p>There following strings are</p>	
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		<p>in groupdata</p> <p>"24-Nov-2024,Food,40.0,A,###1"</p> <p>"24-Nov-2024,Food,60.0,B,###2"</p> <p>*Note the hash is random but should be the same between group.json and expense_record.json"</p>	
<p>Test 3: Test adding an expense to a group, then adding an expense to the individual</p>	<p><i>Preconditions: There is a group named "A", Group A has no current expenses in it and has a group size of 5</i></p> <ol style="list-style-type: none"> 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 10. Choose Food 11. Type 100 12. Select no for credit 	<p>The Application Responds with the following messages</p> <p>"Expense of \$200.0 for 'Food' added to group 'A' on 24-Nov-2024."</p> <p>"Each member now owes: \$40.00"</p> <p>—</p> <p>"The following expenditure has been recorded: You have spent \$100.0 for Food on 24-Nov-2024"</p> <p>"Budget Exceeded! Expenditure exceeds the budget by \$200.0"</p> <p>—</p> <p>In group.json in the "A" tag of the structure</p> <p>In the expenses there is an object with the following content</p> <p>"date": "24-Nov-2024"</p> <p>"category": food</p>	<p>The Application Responds with the following messages</p> <p>"Expense of \$200.0 for 'Food' added to group 'A' on 24-Nov-2024."</p> <p>"Each member now owes: \$40.00"</p> <p>—</p> <p>"The following expenditure has been recorded: You have spent \$100.0 for Food on 24-Nov-2024"</p> <p>"Budget Exceeded! Expenditure exceeds the budget by \$200.0"</p> <p>—</p> <p>In group.json in the "A" tag of the structure</p> <p>In the expenses there is an object</p>

		<p>"amount": 200.0</p> <p>"hash": *###</p> <p>In expense_record.json under "groupdata"</p> <p>There is a string with the following content</p> <p>"24-Nov-2024,Food,40.0,A,*###"</p> <p>*Note the hash is random but should be the same between group.json and expense_record.json</p> <p>In expense_record.json under "data"</p> <p>There is a string with the following content</p> <p>"24-Nov-2024,Food,100.0"</p>	<p>with the following content</p> <p>"date":</p> <p>"24-Nov-2024"</p> <p>"category": food</p> <p>"amount": 200.0</p> <p>"hash": *###</p> <p>In expense_record.json under "groupdata"</p> <p>There is a string with the following content</p> <p>"24-Nov-2024,Food,40.0,A,*###"</p> <p>*Note the hash is random but should be the same between group.json and expense_record.json</p> <p>In expense_record.json under "data"</p> <p>There is a string with the following content</p> <p>"24-Nov-2024,Food,100.0"</p>
<p>Test 4: Test adding a negative expense to a group</p>	<p><i>Preconditions: There is a group named "A", Group A has no current expenses in it and has a group size of 5</i></p> <p>1. Type /add</p>	<p>The Application Responds with the following messages</p> <p>"Oh no. Spent amount has to be a non-zero number."</p> <p>There are no new changes</p>	<p>The Application Responds with the following messages</p> <p>"Oh no. Spent amount has to be a non-zero number."</p>

	<ul style="list-style-type: none">2. select Group3. Type A4. From Calendar Choose Date Nov 24th 20245. Choose Food6. Type -2007.	to either groups.json or expense_record.json	There are no new changes to either groups.json or expense_record.json
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