Previous failed test retesting:

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| **Test Number** | **Test Case Type** | **Description** | **Test Steps** | **Test Data** | **Expected Results** | **Actual Results** | **Status** |
| **4** | Functionality | Testing the modification of transaction feature, so changing the amount the transaction used from x to x, firstly verifying the phone bill transaction is in the program and then attempting to change it, this will fall under a new category created called “Luxury”. | Navigating to “Category”, creating a new category.  Then navigating to “Transaction”, clicking on “Display All Ongoing Transaction”.  Then using the update feature to change amount.  Finally, then clicking on “Display All Ongoing Transaction”. | Category label: “Luxury”.  Category budget: “200”.  Category date (MM/YYYY): “03/2024”  Transaction used: “Phone Bill”.  Transaction amount: “65”.  New transaction amount: “50”.  Transaction date (DD/MM/YYYY): “07/03/2024” | The creation of the category should proceed smoothly with no errors and then the amount used in created transaction should change from “65” to “50” and clicking on the view transaction feature list should verify this by displaying that change. | The result was correctly created category but incorrect transaction creation, the program did not recognise “Luxury” as either being created in the same month or being created at all and so the transaction was not even allowed to be created so the final testing of the modification couldn’t fully be tested as failure occurred in the creation process. | Fail |
| **6** | Functionality | This test will involve checking to see if the budget feature works as intended, and an input of income higher than the budget will result in an error message. Firstly, we’d need to create a category and a new transaction to test this. | Navigating to “Category”, creating a new category, then navigating to “Transaction” and creating a transaction that belongs to the newly created category, assigning a transaction amount exceeding the budget for the category. | Category label: “Essentials”.  Category budget: “350”.  Category date (MM/YYYY): “03/2024”  Transaction label: “iPhone 15”.  Transaction amount: “1100”  Transaction date (DD/MM/YYYY): “10/03/2024” | Progressing through the creation of the category should pose no issues, once creating the transaction, there should be an error when attempting to exceed the limit of the budget of assigned category, so some form of recognition from the program stating what has occurred and or an error message. | The feature works exactly as intended as the creation of the category went smoothly, with the budget that we wanted being assigned correctly and then the transaction creation of trying to exceed that budget with its expense amount did result in an error message and so this problem has been solved. | Pass |
| **7** | Functionality | Checking to see if the preset categories exist and the feature isn’t empty. | Navigating to “Categories”. | Category key to view all categories: “5”. | After navigating to categories feature and using the view function, the program should display a preset of categories and the list should not be empty. | The program now correctly displays a list of preset categories when running the program from scratch, working as expected now. | Pass |
| **9** | Functionality | The modification to a categories’ name, seeing if it is working as intended, so creating a new category then changing its name, then viewing list categories to verify the change. | Navigating to “Categories”, adding a new category, then clicking view all categories.  Then start renaming the categories and again clicking view all categories. | Category label: “Mobile”.  Budget allocated: “60”.  Date allotted (MM/YYYY): “01/2024”.  Category label renamed to: “Sim”. | The program should let you add a new category, then after seeing it added, renaming it from “Mobile” to “Sim” should pose no issue then verifying the change through viewing all categories and seeing the change being made faithfully. | The result was not as expected, the program does not let you change a category if its date is not set to the current month’s date, when amending the date to the current date it works as expected but the test data used is of (MM/YYYY) “01/2024” and not “03/2024” which caused conflict | Fail |

Test Notes:

Test case 4 was altered slightly to include creation of a category as in the original testing, it was done in succession to another test that had created a category and as now this was being tested solely, the creation aspect was needed and so that’s a small change made.

Test Screenshots

**Test number 4:**

Creating the category to be used in this test called “Luxury”:

A screenshot of a computer program

Description automatically generated

Creation of transaction with budget set to “65”:

A screenshot of a computer

Description automatically generated

Re-verifying that the category created has the correct budget and date:

A screenshot of a computer program

Description automatically generated

**Test number 6:**

Creation of category “Essential”:

A screenshot of a computer program

Description automatically generated

Creation of transaction “iPhone 15” with exceeding expense of category being assigned to:

A screenshot of a computer

Description automatically generated

**Test number 7:**

Checking to see if there are a preset of categories:

A computer screen with white text

Description automatically generated

**Test number 9:**

Creation of category “Mobile”:

A screenshot of a computer program

Description automatically generated

Renaming of newly created category “Mobile” to “Sim”:

A screenshot of a computer program

Description automatically generated

Creating the new category using the current month’s date:

A screenshot of a computer

Description automatically generated

Renaming that category from “Mobile” to “Sim”:

A screenshot of a computer program

Description automatically generated

Viewing all categories to see the change being made:

A screenshot of a computer program

Description automatically generated

Amended test retesting:

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| **Test Number** | **Test Case Type** | **Description** | **Test Steps** | **Test Data** | **Expected Results** | **Actual Results** | **Status** |
| **4** | Functionality | Testing the modification of transaction feature, so changing the amount the transaction used from x to x, firstly verifying the phone bill transaction is in the program and then attempting to change it, this will fall under a new category created called “Luxury”, as well assigning a budget for the category’s month. | Navigating to “Category”, creating a new category.  Then navigating to “Budget” and assigning a budget for the month “Luxury” was created for.  Then navigating to “Transaction”, clicking on “Display All Ongoing Transaction”.  Then using the update feature to change amount.  Finally, then clicking on “Display All Ongoing Transaction”. | Category label: “Luxury”.  Category budget: “200”.  Category date (MM/YYYY): “03/2024”.  Budget assigned for the month: “1000”.  Budget date:  (MM/YYYY): “03/2024”.  Transaction used: “Phone Bill”.  Transaction amount: “65”.  New transaction amount: “50”.  Transaction date (DD/MM/YYYY): “07/03/2024” | The creation of the category should proceed smoothly with no errors, the allocation of a monthly budget for “Luxury” month should proceed smoothly too and then the amount used in created transaction should change from “65” to “50” and clicking on the view transaction feature list should verify this by displaying that change. | The result occurred as expected the creation of a category and then a budget creation for that month went as intended, so did the creation of the transaction and finally the modification of the transaction. | Pass |

Test Notes:

Test case 4 was altered yet again, due to a misunderstanding I had, the test was now performed using different test data, so assigning a budget to a category and then making sure the category created as a monthly budget, so category creation, then budget creation and then the true testing of the modification of transaction amount.

Test Screenshots

**Test number 4:**

Creating a category:

A screenshot of a computer program

Description automatically generated

Assigning a budget for the month:

A screenshot of a computer program

Description automatically generated

Creating transaction:

A screenshot of a computer screen

Description automatically generated

Changing transaction amount:

A screenshot of a computer screen

Description automatically generated