**Criterion E: Evaluation**

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| **Success Criteria** | **Criteria Met (Yes/No), and Client Comments** |
| The client can add an expense, specifying the name and how much money is spent per month on that expense | Yes, “*Very simple adding an expense.”* |
| The client can easily edit the expense to update any errors or changes | Yes, “*I could fix any monthly values with ease. Error handling of negative numbers and characters were a good touch.”* |
| The client can easily delete an expense | Yes, *“The expense was not in the table anymore”* |
| The program can calculate the monthly total of all expenses entered into the spreadsheet | Yes, *“My total expenses for the month was displayed in a field above the spreadsheet, could be more practical if this was added to the table”* |
| The program can calculate the yearly total of each expense and all expenses added together | Yes, “*I know how much I spent on this expense for a year now”* |
| The spreadsheets can be saved as a text file and an Excel file for printing purposes | Yes, “*I can access the file in Excel very easily, with all my formatting intact”* |
| The user can access previously stored spreadsheets on the program | Yes, *“The saved files help me save a lot of time”* |
| If the user names a spreadsheet that already exists, an error message will be displayed indicating that a spreadsheet with the same name was already created, preventing any errors in loading/saving the spreadsheet | Yes, *“File names are all different”* |

Areas of Improvement and Extension:

* Delete expenses for a selected month (e.g. I sold my car in May and I will not incur car expenses afterwards)
  + Benefit: Users can easily set an entire month’s expenses to zero
  + Method of development: Create a JButton that takes in a selected month as a parameter, calls on the setter method for that month for all expenses, change the value to zero
* Calculate monthly totals for all the expenses instead of yearly total
  + Benefit: It is more practical to do monthly expense calculations than yearly expenses all at once (user feedback)
  + Method of development: Create a new JTable that only displays the user’s specified month, expense name, and amount spent. Requires a new JFrame and should activate when the user clicks on specific column header
* Calculate average monthly expenses for an expense
  + Benefit: User can predict how much money is spent on an expense per month
  + Method of development: Create a new method in the Expense class that calculates the average of each expense value, and add a new column to the Spreadsheet class that displays this
* Sort expenses by alphabetical order and/or by the most expensive to the least expensive
  + Benefit: The spreadsheet is organized by the user’s needs and preference
  + Method of development: Create a JComboBox and allow user to choose which way to sort their expense. Create a new method in ExpenseLinkedList that uses a sorting method (e.g. MergeSort) to sort all values and display sorted spreadsheet
* Delete an unwanted spreadsheet from Existing Spreadsheets JFrame
  + Benefit: Spreadsheets that are no longer used are no longer needed and take up space
  + Method of development: Delete the text file and Excel file corresponding to the spreadsheet name. Update listOfSpreadsheets.txt by removing the name of the spreadsheet so no button will be created.

Word count: 555 words