

Fix Bugs of the Application Write-Up

#Algorithm

1. Start the program execution.
2. Print the welcome message and available options.
3. Create an ArrayList called expenses to store the user's expenses.
4. Add some initial expenses to the expenses ArrayList.
5. Prompt the user to enter their choice by inputting a number.
6. Based on the user's choice, perform the corresponding action using a switch statement.
7. If the choice is 1:
Print all the expenses from the expenses ArrayList.
Call the optionsSelection method recursively to allow the user to select another option.
8. If the choice is 2:
Prompt the user to enter a value to add as an expense.
Read the value from the user and add it to the expenses ArrayList.
Print the updated expenses ArrayList.
Call the optionsSelection method recursively to allow the user to select another option.
9. If the choice is 3:
Prompt the user to confirm the deletion of all expenses.
If the user confirms by selecting the same option, clear the expenses ArrayList.
Print the cleared expenses ArrayList and a message indicating all expenses are erased.
Call the optionsSelection method recursively to allow the user to select another option.
10. If the choice is 4:
Call the sortExpenses method to sort the expenses ArrayList in ascending order.
Print the sorted expenses ArrayList.
Call the optionsSelection method recursively to allow the user to select another option.
11. If the choice is 5:
Call the searchExpenses method to search for a specific expense in the expenses ArrayList.
Call the optionsSelection method recursively to allow the user to select another option.
12. If the choice is 6:
Call the closeApp method to close the application.
13. If the choice is invalid:
Print an error message indicating an invalid choice.
Call the optionsSelection method recursively to allow the user to select another option.
14. Close the application.