**FLOWCHART FOR BUG FIXES**

Print “You have made an invalid choice!”

No

Yes

option == 6

Yes

option == 5

No

Yes

option == 4

No

Yes

option == 3

No

Yes

option == 2

No

Yes

option == 1

Input option

Initialize expenses[]

Print “Oops… try again!”

No

Empty the expenses

Print “Your value is updated”

Add value to the expenses

Yes

confirmChoice == option

Input confirmChoice

Print “Confirm your choice by selecting the same option”

Input value

Print all the items stored in expenses

Print all the choices

No

Print ”key is found inyour expenditure”

Yes

Index != -1

No

i = i+1

No

index = i

Yes

expense[i] == key and index == -1

Yes

i < expenses.size

Initialize index = -1;

Input key

No

Print “The expenses have been sorted”

Yes

Yes

expenses[j+1] = expenses[j], j = j-1

No

Expenses[j+1] = key,

i = i+1

j >= 0 and expenses[j] > key

Initialize key = expenses[j], j = i-1

i < expenses.size

Initialize size = expenses.size, i = 1

Print ”key is not found in your expenditure”

Print ”Closing your application. Thank You!”