# Fix Bugs of the Application

# **Developer Details**

This project was developed by Ashraf M. Husain and stored in a repository in GitHub created using the email account <a href="mailto:ashhusai@cisco.com">ashhusai@cisco.com</a>.

GitHub Repo Link: https://github.com/AshrafMH22/FixingBugs.git

#### **Objectives**

- A. Add the missing source code to the application based on searching technique. Find the appropriate comments to code for the searching technique.
- B. Write source code for sorting the predefined array and ensure the functionality of the application. Find the appropriate comments to code for sorting the predefined array.

# **Algorithms Used in Completing the Task**

## Searching Algorithm

```
private static void searchExpenses(ArrayList<Integer> arrayList) {
    int leng = arrayList.size();
    System.out.println("Enter the expense you need to search:\t");
    Scanner element = new Scanner(System.in);
    int ele = element.nextInt();
    for(int i = 0; i<leng; i++)
    { if (ele == arrayList.get(i)) {
        int index = i; int pos = index+1;
        System.out.println("\nElement " + ele + " found at index: " + index + " and position:
"+ pos + "\n");
        return;
    }
    System.out.println("\nElement not found\n");
    return;
}</pre>
```

#### **Output:**

## **Sorting Algorithm**

```
System.out.println(i);
}
System.out.println();
return;
}
```

#### **Output:**

```
***********
         Welcome to TheDesk
***********

    I wish to review my expenditure
    I wish to add my expenditure

3. I wish to delete my expenditure
4. I wish to sort the expenditures5. I wish to search for a particular expenditure
6. Close the application
Enter your choice:
110
1000
2300
32000
45000
1. I wish to review my expenditure
2. I wish to add my expenditure
3. I wish to ddd my expenditure4. I wish to sort the expenditures5. I wish to search for a particular expenditure
6. Close the application
Enter your choice:
Closing your application...
Thank you!
```

# Pushing the code to GitHub repo

 Open your command prompt and navigate to the folder where you have created your files.

```
cd <folder path>
```

• Initialize repository using the following command:

```
git init
```

Add all the files to your git repository using the following command:
 git add.

• Commit the changes using the following command:

git commit -m <commit message>

• Link the remote and local repositories

git remote add origin <remote URL>

• Push the files to the folder you initially created using the following command:

git push -u origin master