

## **Working**

### **Employee**

The user will first open the system and then it will choose to add the employee. So, in order to add the employee, the user will enter the input. If the data in all the fields is valid then the system will add employee into the system and if the input have a validation issue, then system will prompt to check the input. Moreover, if the is the user wants to add a salesman the system will then from it to select the manager from a combo box. If the user selects the manager from given list, then the system will add employee successfully and if the user chooses the manager which is not present in the system or has been deleted then the system, then system will show an error message. If the user choses to search an employee the user will click on search button and then choose id of employee. Then if the employee is present in the system, then all the data of employee will be shown on screen with the base salary as well as the salary after having bonus from sales and then the data will also be loaded into the text boxes and the add button will be changed to the modified button so the user can modify that data and to delete the employee will have to click on delete button then same as the search the user will be given a list of right employees from the list then the system will delete the employee does not exist in the system.

### **Car**

If user wants to add a car. Then user will have to enter all the valid data in the system and if the data is valid the car will be added to the system. If the data have any kind of validation issue, then system will prompt the user with an error message. System will also make sure that each car must have a unique car Id. As far as search is concerned the user will have to click on search button and afterwards user will choose a car from list of cars. If user chooses from that list than the data of car will be loaded in the text fields and the modify button will also be appear on screen as if the user wants to modify that particular car, if user modify the data with valid inputs, then after clicking on modify button the data will be modified and saved in the pickle file otherwise system will prompt an error message. And if the user wants to delete a car, then same as employee the user will select the id from given list and car will be deleted from the system otherwise it will prompt the error message.

### **Sales**

If user wants to make a sale, then the user only need to select the ID of employee and car from a given list in combo box which is being updated in real time i.e., after each function in the system the combo boxes will update as if we delete a car that car will also be disappeared from the combo box, same goes for employee (only sales man can make sales not the managers so the ids of managers will not be in the combo box). And if user wants to see the sales by a particular sales man, then user needs to click on search button and then select the employee

from the list in a combo box on screen. Then all the sales by that particular sales man will be shown on screen.