ITP3915 Programming Fundamentals Assignment

Student Name: Chan Tak Keung

Student ID: 220305642

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| **id** | **Test Case Name** | **Procedure** | **Expected Output** | **Screen Dump** | | **Result** |
| 1. | Display all employees in the system. | 1.In the employee management system menu, input “1” for display all employee | All employees’ information including their employee ID, name, salary and department should be display. | |  | Pass/~~Fail~~ |
| 2. | Add an employee with name “Pika Chiu”, salary 15000 and words in IT department into the system. | 1.In the employee management system menu, input “2” to add an employee.  2.Input “pika Chiu” for employee’s name.  3.Input “15000” for salary.  4.Input “IT” for IT department. | A success message “Employee Added Successfully” should be displayed. | |  | Pass/~~Fail~~ |
| 3. | Remove An employee with ID “IVE00005”. | 1.In the employee management system menu, input “3” to remove an employee.  2. Input “IVE00005” for employee ID. | A success message “Employee removed Successfully” should be displayed. | |  | Pass/~~Fail~~ |
| 4. | Update employee’s salary with ID. | 1.In the employee management system menu, input “4” to Update an employee’s salary.  2. Input “IVE00006” for employee ID.  3.Input “10000” for employee ‘s new salary. | A success message “Employee salary updated Successfully” should be displayed. | |  | Pass/~~Fail~~ |
| 5. | Display company statistics in the system. | 1.In the employee management system menu, input “5” for display company statistics. |  | |  | Pass/~~Fail~~ |
| 6. | Input invalid function number in main menu | 1.In the employee management main menu, input “6”. | An error message “Invalid input for choice” should be displayed and will ask the user to input function number again. | |  | Pass/~~Fail~~ |
| 7. | Input invalid employee name | 1.In the employee management system menu, input “2” to add an employee.  2.Input “Just 4 Fun” for employee’s name. | Two error messages “Not a valid employee name” & “Employee's name should not contain digit” should be displayed and will ask the user to input employee’s name again. | |  | Pass/~~Fail~~ |
| 8. | Input invalid salary | 1.In the employee management system menu, input “2” to add an employee.  2.Input “Pika Chiu” for employee’s name.  3.Input “0” or “a” for employee’s salary. | “Employee's salary should be greater than 0” or “Employee's salary error please try again” should be displayed and will ask the user to input employee’s salary again. | |  | Pass/~~Fail~~ |
| 9. | Input invalid department | 1.In the employee management system menu, input “2” to add an employee.  2.Input “Pika Chiu” for employee’s name.  3.Input “60000” for employee’s salary.  4.Input “Marketing” for employee deparyment. | Two error messages “Not a valid department” & “Employee's department should be HR/IT/Admin/Finance” should be displayed and will ask the user to input employee’s name again. | |  | Pass/~~Fail~~ |
| 10. | Input invalid employee ID | 1.In the employee management system menu, input “3” to remove an employee.  2.Input “TESTID00001” or “IVE99999” for employee ID. | Two error messages “Not a valid employee's ID” & “Employee's ID record not found” should be displayed and will ask the user to input employee ID again. | |  | Pass/~~Fail~~ |