

# IT5100A

## Employee management system(EMS)

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## What is an EMS

- An EMS is designed to manage departmental business duties systematically
- An EMS handles large amount of data robustly and allows prompt query
- An EMS provides insightful information tailored with business needs



# The System Feature

1. Admin login
2. Add new employee
3. Find an employee
4. Modify employee information
5. Delete an employee
6. Log out the system
7. Find max,min,avg. Salary of a given department
8. Department/Employee performance appraisal




# 1 Admin login

In order to access the system, the very first step and function is to define a login page of the admin user. The system records authorized administrators to access the database and ensure the security and robustness of the system.



## 2 Add an employee to the database

When we hire new employees, we need to add their information including the new employee's name, age, gender, department, salary and etc. into the database system.



### 3 Find (query) an employee

In this function, we aim at finding the information of an existing employee in the database system. Specifically, we can search by entering the employee's name to retrieve the respective information. If such employee does not exist, the system will prompt "Not found!".



## 4 Modify the information of the employee

In the case of employee information needs to be changed, such amendments can be completed through the EMS. For example, if the employee changes to another department or get promoted, we need to update the department name of the employee or the salary in the system accordingly. This function supports admin user to modify the records in the database system.



## 5 Delete an employee

If an employee resigns, we need to delete the information in the database accordingly. In this function, we can enter the name of the employee and then delete the related information.





## 6 Log out the system

If the admin user has already finished all the tasks in the database system, he/ she can log out the system by this function.



## 7 Find the max, min, avg salary of a given department

Investigating the salary profile of a given department can be insightful. In this function, given a department name, the system will return the max, min, average salary of that department accordingly.



## **8 Department/Employee performance appraisal**

Administers can utilize the system to obtain performance evaluation of an employee against his/her department or evaluation of a department against other departments with respective name as input. Hence, ones need improvement can be identified.