**PROJECT: EMPLOYEE MANAGEMENT SYSTEM**

Project Description

Employee Management System is based on a concept to store and generate all the records of the employees. This program is considered as a simple app of employees in an office, an organization where the user can store employees record easily as it is not time-consuming. Here at first, the user has to pass through login system to get access then he/she can add employee’s data, view list of employees, modify, sort and remove employee details.

Application Modules and Features

User Login (USER Admin or USER)

**I. USER ACCOUNT MANAGEMENT**

* 1. Admin can add new user account
  2. Admin can view user account
  3. Admin can edit user account
  4. Admin can delete user account
  5. Admin can search user account
  6. Admin can sort user account
  7. Admin can save user account
  8. Admin can load user account

**II. EMPLOYEE MANAGEMENT**

1. User can add new records

* + - ID
    - Name
    - Gender
    - Address
    - Positions
    - Department
    - Salary

2. User can view records

3. User can search records

* + - By ID
    - By Name
    - By Position

4. User can sort records

* + - Sort by name ascending
    - Sort by name descending
    - Sort by department ascending
    - Sort by department descending
    - Sort by salary ascending
    - Sort by salary descending

5. User can delete / remove records

* + - By ID

6. User can modify / edit records

* + - ID
    - Name
    - Gender
    - Address
    - Positions
    - Department
    - Salary

7. EXIT Program

Application Design

EMPLOYEE MANAGEMENT SYSTEM

Enter username: ………………………………………………

Enter password: ………………………………………………

If user and password is correct will checking type of (USER Manager or USER) and then go to different menu.

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**I. USER Admin menu**

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[1] ADD NEW USER

[2] EDIT USER

[3] DELETE USER

[4] VIEW USER

[5] SEARCH USER

[6] SORT

[7] SAVE

[8] LOAD

[0] EXIT

Choose option : [1]

If choose not option (0-8) show message invalid option

If user choose option [1] go ADD NEW USER

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**[1] ADD NEW USER**

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Enter User Name:

Enter User Password:

Enter User Role:

Do you want to continue (y/n)?: y

If yes go to add new user.

If no back to USER Manager MENU.

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**[2] EDIT USER**

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By Name

Search before edit

Enter NAME : Virak

If wrong name will show message the name was not found

Else right will go to:

NAME : Virak

1. EDIT NAME
2. EDIT PASSWORD
3. EDIT ROLE

Enter command:

After edited will show message: Do you want to continue(y/n)?: y

If yes will go to choose option again

Else back to USER Manager MENU

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**[3] DELETE USER**

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By Name

Enter Name: Virak

If name not in the list, will show name is not in the list

Else right will show full information of USER:

Name : Virak

Role: Admin

Are you sure?(y/n):

If yes deleted successfully and ask: Do you want to continue?

Else no deleted was cancelled and ask Do you want to continue?

If yes will go to choose option again

Else back to USER Manager MENU

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**[4] VIEW USER**

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**NAME TYPE**

Virak Admin

Liphong User

Sokheng User

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Press any key to Show USER Manager MENU

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**[5] SEARCH USER**

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Enter NAME: Virak

Show Information:

Name: Virak

Role : Admin

Do you want to continue ? (y/n):

If yes will go to Enter name again

Else go to USER Manager MENU

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**[6] SORT USER**

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View (Sort by Name)

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**NAME TYPE**

Dara User

Bora User

Lina Admin

Press any key to Show USER Manager MENU

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**[7] SAVE USER**

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Will show Message SAVE SUCCESSFULLY

Press any key to Show USER Manager MENU

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**[8] LOAD USER**

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Will show message LAOD SUCCESSFULLY

Press any key to Show USER Manager MENU

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**[0] EXIT**

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THANK YOU !

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**II. EMPLOYEE MANAGEMENT MENU**

Main Menu of Employees Management System:

1. To Add New Employee Details

[2]  To View List Employees

[3]  To Search Employee Details

[4]  To Sort Employee

[5] To Remove Employee By ID

[6] To Modify Existing Employee Details

[0]  To Exit Program

Menu Processing:

Please choose your options (0-5):

**[1] To Add New Employee Details**

* Enter ID
* Enter Name
* Gender
* Enter Address
* Enter Positions
* Enter Department
* Enter Salary

Show message:

New record has been added successfully!

Do you want to continue……? (Yes/No)

* **Yes :** go to add another employee.
* **No :** go to main user menu

**[2]   To Search Employee Details by ID**

* Enter ID of an employee to be search
* Employee’s data shown
* ID
* Name
* Gender
* Address
* Positions
* Department
* Salary

Show message successful:

Do you want to View / Search another employee ……? (Yes/No)

* Yes : enter ID of employee to be search
* No : go to main user menu

Show message not found:

The record not found!

Do you want to View / Search another employee ……? (Yes/No)

* Yes : enter ID of employee to be search
* No : go to main user menu

**[3]   To Modify / Edit Existing Employee Details**

* Modify / Edit employee’s information by ID

Enter employee ID :

View employee’s information detail

* ID
* Name
* Gender
* Address
* Positions
* Department
* Salary

Enter new employee’s information detail

* Modify / Edit ID
* Modify / Edit Name
* Modify / Edit Gender
* Modify / Edit Address
* Modify / Edit Positions
* Modify / Edit Department
* Modify / Edit Salary

Show message successfully:

Employee’s information has been Modified / Edited successfully!

Do you want to continue……? (Yes/No)

* Yes : go to add another employee.
* No : go to main user menu

**[4]   To Remove an Employee Details**

* Enter ID of employee to be deleted

Show employee’s information:

The old record of employee having (ID 0XXXX) is:

Show the old employee’s information (ID 0XXXX).

* Enter ID
* Enter Name
* Enter Gender
* Enter Address
* Enter Positions
* Enter Department
* Enter Salary

Show message delete successfully:

Employee’s information (ID 0XXXX) has been deleted successfully!

Do you want to continue……? (Yes/No)

* Yes : Enter ID of employee to Delete
* No : go to main user menu

Show message ID is not found:

Have no ID in the list!

Do you want to continue……? (Yes/No)

* Yes : Enter ID of employee to Delete
* No : go to main user menu

Press any key to continue

**[5]   To View List Employees**

* View all employees

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| --- | --- | --- | --- | --- | --- | --- | --- |
| No | ID | Name | Gender | Address | Positions | Department | Salary |
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* Press any key to continue

**[0]   To Exit Program**

Choose your options [0] to exit system.

Thank you !