**DATABASE DESIGN**

Employee Attendance Management System

**TABLE-EMPLOYEE**

This table consist of list of employee with their details.

|  |  |  |  |
| --- | --- | --- | --- |
| COLUMN NAME | DATA TYPE | CONSTRAINTS | DESCRIPTION |
| EMP\_ID | INT | Primary Key | Employee ID |
| USERNAME | VARCHAR | - | Employee UserName |
| EMP\_FNAME | VARCHAR | - | Employee First Name |
| EMP\_LNAME | VARCHAR | - | Employee Last Name |
| LOCATION\_NAME | VARCHAR | - | Employee’s Location |
| PASSWORD | VARCHAR | - | Password |

**TABLE-LOCATION**

This table consist of list of all locations.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| COLUMN NAME | | DATA TYPE | | CONSTRAINTS | DESCRIPTION | | |
| LOCATION\_ID | | INT | | Primary Key | Location ID | | |
| LOCATION\_NAME | | VARCHAR | | - | Name of the location | | |
|  |  | |  | | |  |

**TABLE-ATTENDANCE**

This table consist of list of employee’s attendance details like check-in time, checkout time, Date ,Total Hours etc.

|  |  |  |  |
| --- | --- | --- | --- |
| COLUMN NAME | DATA TYPE | CONSTRAINTS | DESCRIPTION |
| ATD\_ID | INT | Primary Key | Attendance ID |
| EMP\_ID | INT | - | Employee ID |
| LOCATION\_ID | VARCHAR | - | Location Name |
| CHECK\_IN | DATETIME | - | Check-in Time |
| CHECK\_OUT | DATETIME | - | Check-out Time |
| TOTAL\_HRS | INT |  | Total Hours Of Work |

**TABLE-HOLIDAYS**

This table consist of list of holidays in each location

|  |  |  |  |
| --- | --- | --- | --- |
| COLUMN NAME | DATA TYPE | CONSTRAINTS | DESCRIPTION |
| HOL\_ID | INT | Primary Key | Unique ID |
| LOCATION\_ID | INT | - | Location ID |
| DATE | Date | - | Date of holiday |
| DESCRIPTION |  |  |  |

**TABLE-ABSENCE**

This table consist of list of absence corresponds to in each Employee

|  |  |  |  |
| --- | --- | --- | --- |
| COLUMN NAME | DATA TYPE | CONSTRAINTS | DESCRIPTION |
| ABS\_ID | INT | Primary Key | Absence ID |
| EMP\_ID | INT | - | Employee ID |
| DATE | DATE |  | Absence Date |

**TABLE-ROLE**

This table consist of list of Roles and their privileges

|  |  |  |  |
| --- | --- | --- | --- |
| COLUMN NAME | DATA TYPE | CONSTRAINTS | DESCRIPTION |
| ROLE\_ID | INT | Primary Key | Role ID |
| ROLE\_NAME | VARCHAR |  | Role Name |
| PRIVILEGE | VARCHAR |  | Privileges |