Data Dictionary

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *Entity Name* | *Entity Description* | | *Column Name* | *Column Description* | *Data Types* | *Length* | *Primary Key* | *Nullable* | *Unique* |
| Employee | A person working in the company | | name | Name of the employee | varchar | 255 | false | false | False |
| designation | Jon Position in the company | varchar | 255 | false | false | False |
| EmployeeID | Unique Identification Number for the employee | integer | 10 | true | false | False |
| entitlements | Leave Days Assigned for the employees | integer | 10 | false | false | False |
| leaveBalance | Amount of days left for the employee for leave | integer | 10 | false | false | false |
| joiningDate | Date the employee joined the company | varchar | 255 | false | false | false |
| Salary | Salary of the employees | integer | 10 | false | false | false |
| Leave Types | Type of leave assigned for the employee | | LeaveType | Type of leave whether holiday or other leave types | varchar | 255 | false | false | false |
| Leave Periods | Duration and the period the leave assigned to the employees | | leaveEnd | Ending date for the leave period | varchar | 255 | false | false | False |
| leaveStart | Starting date for the leave period | Varchar | 255 | false | false | False |
| comment | Description about the leave assigned | Varchar | 255 | false | false | false |
| Sub-Unit | | Sub-units or departments of an organization | name | Name of the sub-unit | varchar | 255 | false | false | false |
| employeeNumber | Number of employee working in the sub-units | integer | 10 | false | false | False |
| unitID | Identification ID for the sub-unit | varchar | 255 | true | false | false |
| Configuration Manager | | Managing module for configuring all the leave assigned to the employees | leaveStatus | Whether the leave is accepted or not | Bool | 127 | false | false | False |
| leavecredit | Total leave credit available at default | integer | 10 | false | false | False |
| AssignedTo | Person to whom a leave is assigned to | varchar | 255 | false | false | false |
| Users | | Users(HR Managers) for the database of the employees | UserID | User identification number | varchar | 255 | true | false | False |
| Password | UserPassword | varchar | 255 | false | false | False |
| Reports | | Usage and leave report for the employees | ReportType | Report variant of the employees | varchar | 255 | false | false | False |
| ReportDate | Date of Issue of report | varchar | 255 | false | false | False |
| IssuedBy | Issued by | varchar | 255 | false | false | False |
| ReportID | Unique Report ID | integer | 10 | true | false | False |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *Entity Name* | *Entity Description* | *Column Name* | *Column Description* | *Data Types* | *Length* | *Primary Key* | *Nullable* | *Unique* |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Holiday | Holiday Leave Type for employees | HolidayName | Name of the Holiday | varchar | 255 | false | false | false |
| HolidayList | List of Holidays of the employees | Varchar[] | 255 | false | false | False |
| HolidayType | Type of Holiday that is assigned | varchar | 255 | false | false | False |
| HolidayID | Unique ID for the holiday | varchar | 255 | True | false | false |
| Entitlement Manager | Assigns entitlements to employees | EntitlementType | Type of entitlement assigned | varchar | 255 | false | false | false |
| EntitlementDurationInDays | Number of days entitled | integer | 10 | false | false | false |
| Work Week Assigner | Assigns Work weeks to employees | WorkDays | Total number of work days assigned | Integer[] | 10 | false | false | False |

ER Diagram

