**Database Schema**

**Table: users**

|  |  |  |
| --- | --- | --- |
| Field Name | Type | Description |
| user\_id | INT, AUTO\_INCREMENT, PK | Unique ID for each user |
| name | VARCHAR(100) | Full name of the user |
| email | VARCHAR(255), UNIQUE | Email ID for login |
| password | VARCHAR(255) | Hashed login password |
| role | ENUM('Admin','Employee') | User type: Admin or Employee |
| department\_id | INT, FK | Department assigned (nullable for Admins) |
| dob | DATE | Date of birth |
| created\_at | TIMESTAMP | When the user account was created |
| updated\_at | TIMESTAMP | When the account was last updated |

**Table: departments**

|  |  |  |
| --- | --- | --- |
| Field Name | Type | Description |
| department\_id | INT, AUTO\_INCREMENT, PK | Unique department ID |
| department\_name | VARCHAR(100), UNIQUE | Name of the department |
| created\_at | TIMESTAMP | Department creation date |
| updated\_at | TIMESTAMP | Last update date |

**Table: attendance**

|  |  |  |
| --- | --- | --- |
| Field Name | Type | Description |
| attendance\_id | INT, AUTO\_INCREMENT, PK | Unique ID for attendance entry |
| user\_id | INT, FK | Employee ID |
| date | DATE | Date of attendance |
| status | ENUM('Present','Absent','Late') | Attendance status |
| check\_in | TIME | Time of check-in |
| check\_out | TIME | Time of check-out |
| created\_at | TIMESTAMP | Record creation date |
| updated\_at | TIMESTAMP | Record update date |

**Table: leave\_requests**

|  |  |  |
| --- | --- | --- |
| Field Name | Type | Description |
| request\_id | INT, AUTO\_INCREMENT, PK | Unique ID for leave request |
| user\_id | INT, FK | Employee who requested leave |
| start\_date | DATE | Leave start date |
| end\_date | DATE | Leave end date |
| reason | TEXT | Reason for leave |
| status | ENUM('Pending','Approved','Rejected') | Current approval status |
| created\_at | TIMESTAMP | Leave request creation date |
| updated\_at | TIMESTAMP | Leave request update date |

**Table: payroll**

|  |  |  |
| --- | --- | --- |
| Field Name | Type | Description |
| payroll\_id | INT, AUTO\_INCREMENT, PK | Unique payroll entry |
| user\_id | INT, FK | Employee ID |
| basic\_salary | DECIMAL(10,2) | Monthly base salary |
| bonuses | DECIMAL(10,2) | Extra earnings like bonuses |
| deductions | DECIMAL(10,2) | Deductions like tax or penalties |
| net\_salary | DECIMAL(10,2) | Final salary after calculations |
| payment\_date | DATE | Salary processed date |

You can directly access the database schema using this link:

<https://dbdiagram.io/d/WorkTrack-68303c86b9f7446da3d5364e>

