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| --- | --- | --- | --- | --- |
| **Table name: user\_Subscription primary key: User\_subscription** | | | | |
| **Description : details of user subscription** | | | | |
| **Feild** | **Datatype** | **Size** | **Constraints** | **Description** |
| User\_subscription\_id | integer | 11 | Primary key | Id of user subscription |
| Plan\_id | integer | 11 | Foreign key | Id of plan |
| Status | Varchar | 50 |  | Status subscription |
| discount | Double |  |  | Discount available |
| User\_id | Integer | 11 | Foreign key | Id of user |

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| **Table name: user\_bill primary key: Bill\_id** | | | | |
| **Description : details of user bill** | | | | |
| **Feild** | **Datatype** | **Size** | **Constraints** | **Description** |
| Bill\_id | Integer | 11 | Primary key | Id if the bill |
| User\_id | Integer | 11 | Foreign key | Id of the user |
| Total\_amount | Double |  |  | Total amount to be paid |
| Due\_date | Double |  |  | Due date of the payment |
| Paid\_amount | Double |  |  | Details of paid amount |

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| --- | --- | --- | --- | --- |
| **Table name: class\_schedule primary key:Schedule\_id** | | | | |
| **Description: details of schedule** | | | | |
| **Feild** | **Datatype** | **Size** | **Constraints** | **Description** |
| Schedule\_id | Integer | 11 | Primary key | Id of the schedule |
| User\_id | Integer | 11 | Foreign key | Id of the user |
| Staff\_id | Integer | 11 | Foreign key | Id of the staff |
| Start time | Datetime |  |  | Schedule’s start time |
| End time | Datetime |  |  | Schedule’s end time |
| Type | Varchar | 15 |  | Type of the schedule |

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| --- | --- | --- | --- | --- |
| **Table name: equipment primary key:Equipment\_id** | | | | |
| **Description: details of equipment** | | | | |
| **Feild** | **Datatype** | **Size** | **Constraints** | **Description** |
| Equipment\_id | Integer | 11 | Primary key | Id of the equipment |
| Name | Varchar | 40 |  | Name of the equipment |
| Type | Varchar | 15 |  | Type of equipment |
| Building\_id | Integer | 11 | Foreign key | Id of building |
| Desc | Text |  |  | Descriptions |

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| --- | --- | --- | --- | --- |
| **Table name: building primary key:building\_id** | | | | |
| **Description: details of building** | | | | |
| **Feild** | **Datatype** | **Size** | **Constraints** | **Description** |
| Building\_id | Integer | 11 | Primary key | Id of the building |
| Name | Varchar | 30 |  | Name of the block |
| Number | Integer |  |  | Number of block |

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| --- | --- | --- | --- | --- |
| **Table name :bill\_details primary key: Bill\_details\_id** | | | | |
| **Description: details of bill** | | | | |
| **Feild** | **Datatype** | **Size** | **Constraints** | **Description** |
| Bill\_details\_id | Integer | 11 | Primary key | Id of bill details |
| Bill\_id | Integer | 11 | Foreign key | Id of bill |
| User\_sub\_id | Integer | 11 | Foreign key | Id of user |
| Amount | Double |  |  | Total amount |
| Discount | Double |  |  | Discount available |
| Total | Double |  |  | Total sum up |

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| --- | --- | --- | --- | --- |
| **Table name:staff\_attendance primary key:Staff\_attendance\_id** | | | | |
| **Description: details of staff attendance** | | | | |
| **Feild** | **Datatype** | **Size** | **Constraints** | **Description** |
| Staff\_attendance\_id | Integer | 11 | Primary key | Id of staff attendance |
| Staff\_id | Integer | 11 | Foreign key | Id of staff |
| Log\_in time | Datetime |  |  | Login time of staff |
| Log\_out time | Datetime |  |  | Logout time of stff |
| Total hours | Double |  |  | Total hours worked |
| Salary | Double |  |  | Salary of staff |

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| --- | --- | --- | --- | --- |
| **Table name:user\_registration primary key:User\_id** | | | | |
| **Description: details of user registration** | | | | |
| **Feild** | **Datatype** | **Size** | **Constraints** | **Description** |
| User\_id | Integer | 11 | Primary key | Id of user |
| Name | Varchar |  |  | Name of the user |
| Address | Varchar |  |  | Address of user |
| Phone | Varchar |  |  | Phone no of user |
| Email | Varchar |  |  | Email of user |
| Dob | Date |  |  | Date of birth of user |

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| **Table name:user\_attendance primary key: User\_attendance** | | | | |
| **Description: details of user attendance** | | | | |
| **Feild** | **Datatype** | **Size** | **Constraints** | **Description** |
| User\_attendance | Integer | 11 | Primary key | Details of user attendance |
| User\_id | Integer | 11 | Foreign key | Id of user |
| Log\_in | Datetime |  |  | Login details of user |
| Log\_in | Datetime |  |  | Logout details of user |
| Total\_time | Double |  |  | Total time user used |
| Part | Varchar | 15 |  | Part of user |

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| **Table name: Admin\_login primary key: Admin\_login\_id** | | | | |
| **Description : details of admin login** | | | | |
| **Feild** | **Datatype** | **Size** | **Constraints** | **Description** |
| Admin\_login\_id | Integer | 11 | Primary key | Id of admin login |
| Username | Varchar | 15 |  | Username of admin |
| Password | Varchar | 15 |  | Password of admin |

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| --- | --- | --- | --- | --- |
| **Table name:staff\_login primary key:Staff\_id** | | | | |
| **Description: details of staff login** | | | | |
| **Feild** | **Datatype** | **Size** | **Constraints** | **Description** |
| Staff\_id | Integer | 11 | Primary key | Id of staff |
| Type | Varchar | 15 |  | Type of staff |
| Username | Varchar | 15 |  | Username of staff |
| password | Varchar | 15 |  | Password of staff |

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| --- | --- | --- | --- | --- |
| **Table name: staff\_registration primary key:Staff\_reg\_id** | | | | |
| **Description : details of staff egistration** | | | | |
| **Feild** | **Datatype** | **Size** | **Constraints** | **Description** |
| Staff\_reg\_id | Integer | 11 | Primary key | Id of staff registration |
| Staff\_id | Integer | 11 | Foreign key | Id of staff |
| Block | Varchar | 10 |  | Block of staff |
| Name | Varchar | 30 |  | Name of staff |
| Phone | Varchar | 15 |  | Phone no of staff |
| Email | Varchar | 40 |  | Email id of staff |
| Address | Text |  |  | Address od the staff |
| Salary\_hour | Double |  |  | Salary hours of staff |

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| **Table name: subscription\_plan primary key: Plan\_id** | | | | |
| **Description: details of subscription plan** | | | | |
| **Feild** | **Datatype** | **Size** | **Constraints** | **Description** |
| Plan\_id | Integer | 11 | Primary key | Id of plan |
| Type | Varchar | 15 |  | Type of plan |
| Building\_id | Integer | 11 | Foreign key | Id of building |
| Monthly\_cost | Double |  |  | Monthly cost plan |
| Hours\_allowed | Double |  |  | Allowed hours details |

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| **Process** | **Input design** | **Output design** |
| Login Page for admin | Enter user name, Password | Show home page |
| Login Page for Staff | Enter user name, password | Show home page |
| Add staff | Enter staff details | Staff added successfully |
| Edit staff | Select staff and edit | Edit completed |
| View staff | Select staff management and click view staff details | Show staff and its details |
| Add user | Enter user details | User added successfully |
| Update user subscription | Enter subscription details | User subscription updated |
| View attendance | Select user management and click user attendance details | Show user attendance details |
| Add equipment | Enter equipment details | Equipment added successfully |
| Update equipment | Enter equipment details | Equipment details updated |

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| --- | --- | --- | --- | --- |
| **Sl. no** | **Test case** | **Input Expected** | **Output** | **Result** |
| 1 | Login page  (Admin) | Correct username and password | Home page | Pass |
| 2 | Login page  (staff) | Correct username and password | Home page | Pass |
| 3 | Add staff | Enter block, staff id, name, phone,  email, address, salary | Staff added successfully | pass |
| 4 | View staff attendance | Enter staff id | Display staff attendance details | Pass |
| 5 | Edit staff | All fields entered correctly | Staff details updated | Pass |
| 6 | Add user | Enter name, dob, address, phone, email | User added successfully | Pass |
| 7 | Update user subscription | All fields entered correctly | Display user subscription | pass |
| 8 | View user attendance | Enter user id | Display user attendance | Pass |
| 9 | Add equipment | Enter name ,type ,building id | Equipment added successfully | Pass |
| 10 | Update equipment | All fields entered correctly | Display equipment | Pass |