**Database Design Document**

**Introduction:**

**Revision History:**

|  |  |  |
| --- | --- | --- |
| **Document Version No.** | **Created/Updated By** | **Created/Updated On** |
|  |  |  |

**Tables:**

Table Name: User

|  |  |  |
| --- | --- | --- |
| Name of the Column | Data Type | Constraints  (PK, FK, Surrogate, UNIQUE, NOT NULL, etc.) |
| User\_id | Varchar | PK, Surrogate |
| Username | Varchar | NOT NULL |
| Password | Varchar | NOT NULL |
| User\_type | Varchar | NOT NULL |

Table Name: Student

|  |  |  |
| --- | --- | --- |
| Name of the Column | Data Type | Constraints  (PK, FK, Surrogate, UNIQUE, NOT NULL, etc.) |
| Student\_id | Varchar | PK, Surrogate |
| First\_name | Varchar | NOT NULL |
| Last\_name | Varchar | NOT NULL |
| Admission\_number | Varchar | UNIQUE, NOT NULL |
| Room\_no | Varchar | NOT NULL |
| Dob | Datetime | NOT NULL |
| Usage\_electricity | Integer | NOT NULL |
| Usage\_water | Integer | NOT NULL |
| Guardian\_name | Varchar | NOT NULL |
| Address | Varchar | NOT NULL |
| Contact\_No | Varchar | NOT NULL |
| Year\_of\_study | Varchar | NOT NULL |
| Branch | Varchar | NOT NULL |
| Fee\_hostel | Integer | NOT NULL |
| Fee\_branch | Integer | NOT NULL |