**TABLE DESIGN**

**ADMIN TABLE:**

|  |  |  |
| --- | --- | --- |
| Column Name | Data Type | Constraints |
| Admin\_id | INT | PRIMARY KEY |
| Username | VARCHAR | NULL NULL |
| Password | VARCHAR | NOT NULL |

|  |  |  |
| --- | --- | --- |
| Column Name | Data Type | Constraints |
| Manager\_Name | VARCHAR | NOT NULL |
| Manager\_Contact | INT | NOT NULL |
| Manager\_Email | VARCHAR | PRIMARY KEY |
| Manager\_Password | VARCHAR | NOT NULL |

**STATION MANAGER TABLE:**

**USER TABLE:**

|  |  |  |
| --- | --- | --- |
| Column Name | Data Type | Constraints |
| User\_Name | VARCHAR | NOT NULL |
| User\_Contact | INT | NOT NULL |
| User\_Email | VARCHAR | PRIMARY KEY |
| User\_Password | VARCHAR | NOT NULL |

**STATION TABLE:**

|  |  |  |
| --- | --- | --- |
| Column Name | Data Type | Constraints |
| Station\_id | INT | PRIMARY KEY |
| Station\_Name | VARCHAR | NOT NULL |
| Location | VARCHAR | NOT NULL |
| Pin code | INT | NOT NULL |

**ADAPTER TABLE:**

|  |  |  |
| --- | --- | --- |
| Column Name | Data Type | Constraints |
| Adapter\_id | INT | PRIMARY KEY |
| Station\_id | INT | FORIENG KEY |
| Adapter type | VARCHAR | NOT NULL |
| Kwh | DECIMAL | NOT NULL |

**TERMINALE TABLE:**

|  |  |  |
| --- | --- | --- |
| Column Name | Data Type | Constraints |
| Adapter\_id | INT | PRIMARY KEY |
| Station\_id | INT | FORIENG KEY |
| Adapter type | VARCHAR | NOT NULL |
| Kwh | DECIMAL | NOT NULL |

**SELECTION USER TABLE:**

|  |  |  |
| --- | --- | --- |
| Column Name | Data Type | Constraints |
| Selection\_id | int | PRIMARY KEY |
| Station\_id | INT | FOREIGN KEY |
| User\_id | VARCHAR | FOREIGN KEY |
| Adapter\_id | INT | FOREIGN KEY |
| Terminal\_id | INT | FOREIGN KEY |
| Hours\_used | DECIMAL | NOT NULL |
| Amount\_generate | DECIMLAL | NOT NULL |