**Database Design Document**

**Introduction:**

**Revision History:**

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

**Tables:**

Table Name: Customer

|  |  |  |
| --- | --- | --- |
| Name of the Column | Data Type | Constraints  (PK, FK, Surrogate, UNIQUE, NOT NULL, etc.) |
| cust\_id | Varchar | PK, Surrogate |
| first\_name | varchar | NOT NULL |
| last\_name | Varchar | NOT NULL |
| Username | Varchar | NOT NULL |
| Password | Varchar | NOT NULL |

Table Name: Movie

|  |  |  |
| --- | --- | --- |
| Name of the Column | Data Type | Constraints  (PK, FK, Surrogate, UNIQUE, NOT NULL, etc.) |
| Movie\_id | Varchar | PK, Surrogate |
| Name | Varchar | NOT NULL |
| Genre | Varchar | NOT NULL |
| Language | Varchar | NOT NULL |
| Rating | Varchar | NOT NULL |

Table Name: Theater

|  |  |  |
| --- | --- | --- |
| Name of the Column | Data Type | Constraints  (PK, FK, Surrogate, UNIQUE, NOT NULL, etc.) |
| Theater\_id | Varchar | PK |
| Location | Varchar | NOT NULL |
| Capacity | Integer | NOT NULL |
| No\_screens | Integer | NOT NULL |

Table Name: Now showing

|  |  |  |
| --- | --- | --- |
| Name of the Column | Data Type | Constraints  (PK, FK, Surrogate, UNIQUE, NOT NULL, etc.) |
| Showing\_id | Varchar | PK |
| Theater\_id | Varchar | FK, NOT NULL |
| Movie\_id | Varchar | FK, NOT NULL |
| Screen\_no | Varchar | NOT NULL |
| Ticket\_price | Varchar | NOT NULL |

Table Name: Transaction

|  |  |  |
| --- | --- | --- |
| Name of the Column | Data Type | Constraints  (PK, FK, Surrogate, UNIQUE, NOT NULL, etc.) |
| Tx\_id | Varchar | PK |
| Tx\_amount | Integer | NOT NULL |
| No\_of\_seats | Integer | NOT NULL |
| Customer\_id | Varchar | FK, NOT NULL |
| Showing\_id | Varchar | FK, NOT NULL |