Data Dictionary: Movie Relational Database

Table: User

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| User\_guid | PK | int |  | Y | Y |  |  |  |  | Y |
| User\_name | Name of the user | nvarchar | 50 |  |  |  |  |  | Y |  |
| Login | Login of the user | nvarchar | 20 |  |  |  |  |  |  |  |
| Email | Email of the user | nvarchar | 100 |  |  |  |  |  |  |  |
| Fav\_genre | Favorite genre of the user | nvarchar | 20 |  |  |  |  |  |  |  |
| First\_created | When the user created account | date |  |  |  |  |  |  |  |  |
| Last\_updated | When the user last updated their information | date |  |  |  |  |  |  |  |  |

Table: Ratings

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| Ratings\_ID | PK | int |  | Y | Y |  |  |  |  | Y |
| User\_guid | FK | int |  |  |  |  |  |  |  |  |
| Movie\_guid | ID for the movies | ID |  |  | Y |  |  |  | Y |  |
| First\_created | When the user created account | date |  |  |  |  |  |  |  |  |
| Last\_updated | When the user last updated their information | date |  |  |  |  |  |  |  |  |

Table: Cold\_Start

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| Movie\_guid | PK | ID |  | Y | Y |  |  |  |  | Y |
| Genre\_code | FK | int |  |  | Y |  |  |  |  |  |

Table: Genres

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| Genre\_code | PK | varchar | 3 | Y | Y |  |  |  |  | Y |
| Genre\_rating | Ratings for the genre | int |  |  |  |  |  |  |  |  |
| First\_created | When the user created account | date |  |  |  |  |  |  |  |  |
| Last\_updated | When the user last updated their information | date |  |  |  |  |  |  |  |  |
| User\_guid | FK | int |  |  | Y |  |  |  |  |  |

Table: Movie\_Meta

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| Movie\_guid | PK | int |  | Y | Y |  |  |  |  | Y |
| Seasons | Seasons in the movie | nvarchar | 50 |  |  |  |  |  |  |  |
| Time\_period | Time period in the movie | time |  |  |  |  |  |  |  |  |
| Features | Features in the movie | nvarchar | 50 |  |  |  |  |  |  |  |
| Pop\_density | Population in the movie | nvarchar | 50 |  |  |  |  |  |  |  |
| Meta\_guid | FK | ID |  |  | Y |  |  |  |  |  |

Table: User\_Response

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| Response\_ID | PK | int |  | Y | Y |  |  |  |  |  |
| User\_guid | FK | int |  |  |  |  |  |  |  |  |
| Question\_guid | FK | int |  |  |  |  |  |  |  |  |
| Response | Response of the user | nvarchar | max |  |  |  |  |  |  |  |
| First\_created | When the user created account | date |  |  |  |  |  |  |  |  |
| Last\_created | When the user last updated their information | date |  |  |  |  |  |  |  |  |

Table: Season\_Mapping

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| Question\_guid | PK | int |  | Y | Y |  |  |  |  | Y |
| Meta\_guid | FK | int |  |  | Y |  |  |  |  |  |
| Season | Seasons of the movie | nvarchar | 20 |  |  |  |  |  |  |  |

Table: Density\_Mapping

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| Question\_guid | PK | int |  | Y | Y |  |  |  |  | Y |
| Meta\_guid | FK | ID |  |  | Y |  |  |  |  |  |
| Pop\_density | Population in the movie | varchar | 50 |  |  |  |  |  |  |  |

Table: Period\_Mapping

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| Question\_guid | PK | int |  | Y | Y |  |  |  |  | Y |
| Meta\_guid | FK | ID |  |  | Y |  |  |  |  |  |
| Time\_Period | Time period of the movie | varchar | 50 |  |  |  |  |  |  |  |

Table: Features\_Mapping

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| Question\_guid | PK | int |  | Y | Y |  |  |  |  | Y |
| Meta\_guid | FK | nvarchar | 75 |  | Y |  |  |  |  |  |
| Features | Features of the movies | varchar | 20 |  |  |  |  |  |  |  |

Table: Question

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| Question\_guid | PK | int | 20 | Y | Y |  |  |  |  | Y |
| Question | List of questions | nvarchar | max |  |  |  |  |  |  |  |