**CASE REPOSITORY**

**ENTITY TYPE DESCRIPTIONS**

|  |  |  |
| --- | --- | --- |
| **ENTITY TYPE** | **Description** | **Synonyms, aliases** |
| **Event** | A is an organized show with a set of performances | Show, concert, event |
| **Venue** | Is the place where events are held | Location, setting, area |
| **Performance** | Is an act of presenting a song, dance and other forms of entertainment | Set, act |
| **Artist** | Someone who performs art or other forms of entertainment | Performer, singer, dancer |
| **Booking** | An act of reserving a ticket in advance | Reservation |
| **Ticket** | A paper that grants the holder to participate in an event | Pass, admission slip |

**ATTRIBUTE TYPE DESCRIPTIONS**

**Event**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Attribute type** | **Description** | **Data type** | **Value**  **required** | **Identity attribute**  **or part of it** | **Special domain** |
| name | Name of the event | Text | Yes | Yes | - |
| date | The date when event is to be held | Date | Yes | - | - |
| price of ticket | Price of one ticket for the event | Decimal | Yes | - | - |
| event status | Event cancel status.  ‘Cancelled’, if event is cancelled | Text | No | - | ‘Cancelled’ |

**Venue**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Attribute type** | **Description** | **Data type** | **Value**  **required** | **Identity attribute**  **or part of it** | **Special domain** |
| venue name | Name of the venue | Text | Yes | Yes | - |
| capacity | Maximum capacity of the venue | Integer | Yes | - | - |

**Performance**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Attribute type** | **Description** | **Data type** | **Value**  **required** | **Identity attribute**  **or part of it** | **Special domain** |
| name | Name of the performance | Text | Yes | Yes | - |
| type | Type of performance | Text | Yes | - | ‘Theater’, ‘Dance’,  ‘Music’, ‘Opera’,  ‘Musical theatre’,  ‘Others’ |

**Artist**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Attribute type** | **Description** | **Data type** | **Value**  **required** | **Identity attribute**  **or part of it** | **Special domain** |
| name | Artist’s name | Text | Yes | Yes | - |
| contact info | Artist’s contact details | Text | Yes | - | - |
| special request | Dietary requests for catering and refreshment | Text | No | - | - |

**Booking**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Attribute type** | **Description** | **Data type** | **Value**  **required** | **Identity attribute**  **or part of it** | **Special domain** |
| booking number | Unique booking identifier | Integer | Yes | Yes | - |
| booking date | Time when booking was made | Date | Yes | - | - |
| number of tickets | Number of tickets booked in the booking | Integer | Yes | - | - |
| booking status | Defines whether booking is just booked, or paid | Text | Yes | - | ‘Booked’,  ‘Paid’ |
| memo | Contact information of the person who made the booking | Text | No | - |  |

**Ticket**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Attribute type** | **Description** | **Data type** | **Value**  **required** | **Identity attribute**  **or part of it** | **Special domain** |
| ticket number | Unique identifier of a ticket | Integer | Yes | Yes | - |
| is ticket refunded | Checks whether money for ticket were returned in case of event cancel | Text | No | - | ‘Yes’ |

**TABLE DESCRIPTIONS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Relation name** | **Booking** | | | | | |
| **Attribute** | **Description** | **Type** | **Required** | **Key** | **Special domain** | **CHECK in DB** |
| **bookingId** | Unique booking identifier | Integer | Yes | PRIMARY KEY | - | - |
| **eventId** | Unique event identifier | Integer | Yes | FOREIGN KEY | - | - |
| **bookingDate** | Time when booking was made | Date | Yes | - | - | Yes,  Check that it is not over event date |
| **ticketQuantity** | Number of tickets booked in the booking | Integer | Yes | - | - | Yes,  Check with venue capacity |
| **bookingStatus** | Defines whether booking is just booked, or paid | Text | Yes | - | ‘Booked’,  ‘Paid’ | Yes |
| **memo** | Phone number of the person who made the booking | Text | No | - | - | - |

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| --- | --- | --- | --- | --- | --- | --- |
| **Relation name** | **Ticket** | | | | | |
| **Attribute** | **Description** | **Type** | **Required** | **Key** | **Special domain** | **CHECK in DB** |
| ticketId | Unique identifier of a ticket | Integer | Yes | IN PRIMARY KEY | - | - |
| bookingId | Unique identifier of booking | Integer | Yes | IN PRIMARY KEY  FOREIGN KEY => Booking | - | - |
| isRefunded | Checks whether money for ticket were returned in case of event cancel | Text | No | - | ‘Yes’ | Yes |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Relation name** | **Performance** | | | | | |
| **Attribute** | **Description** | **Type** | **Required** | **Key** | **Special domain** | **CHECK in DB** |
| **performanceId** | Unique performance identifier | Integer | Yes | PRIMARY KEY | Autonumber column | - |
| **performanceName** | Performance name | Text | Yes | - | - | - |
| **type** | Performance type | Text | Yes | - | ‘Theater’,  ‘Dance’,  ‘Music’,  ‘Opera’,  ‘Musical theatre’,  ‘Others’ | Yes |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Relation name** | **Artist** | | | | | |
| **Attribute** | **Description** | **Type** | **Required** | **Key** | **Special domain** | **CHECK in DB** |
| **artistId** | Unique artist identifier | Integer | Yes | PRIMARY KEY | Autonumber column | - |
| **artistName** | Artist name | Text | Yes | - | - | - |
| **contactInfo** | Artist’s contact details | Text | Yes | - | - | - |
| **specialRequest** | Dietary requests for catering and refreshment | Text | No | - | - | - |

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| --- | --- | --- | --- | --- | --- | --- |
| **Relation name** | **Performance\_Artist** | | | | | |
| **Attribute** | **Description** | **Type** | **Required** | **Key** | **Special domain** | **CHECK in DB** |
| **performanceId** | *Unique performance identifier* | Integer | Yes | IN PRIMARY KEY  FOREIGN KEY => Performance | - | - |
| **artistId** | *Unique artist identifier* | Integer | Yes | IN PRIMARY KEY  FOREIGN KEY => Artist | - | - |

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| --- | --- | --- | --- | --- | --- | --- |
| **Relation name** | **Venue** | | | | | |
| **Attribute** | **Description** | **Type** | **Required** | **Key** | **Special domain** | **CHECK in DB** |
| **venueId** | Unique venue identifier | Integer | Yes | PRIMARY KEY | Autonumber column | - |
| **venueName** | Venue name | Text | Yes | - | - | - |
| **capacity** | Maximum capacity of the venue | Integer | Yes | - | - | - |

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| --- | --- | --- | --- | --- | --- | --- |
| **Relation name** | **Event** | | | | | |
| **Attribute** | **Description** | **Type** | **Required** | **Key** | **Special domain** | **CHECK in DB** |
| **eventId** | Unique event identifier | Integer | Yes | PRIMARY KEY | Autonumber column | - |
| **eventName** | Event name | Text | Yes | - | - | - |
| **eventDate** | The date when event is to be held | Date | Yes | - | - | - |
| **price** | Price of one ticket for the event | Decimal | Yes | - | - | - |
| **venueId** | Unique venue identifier | Integer | Yes | FOREIGN KEY | - | - |
| **eventStatus** | Event cancel status.  ‘Cancelled’, if event is cancelled | Text | No | - | ‘Cancelled’ | Yes |

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| **Relation name** | **Event\_Performance** | | | | | |
| **Attribute** | **Description** | **Type** | **Required** | **Key** | **Special domain** | **CHECK in DB** |
| **eventId** | *Unique event identifier* | Integer | Yes | IN PRIMARY KEY  FOREIGN KEY 1  => Event | - | - |
| **performanceId** | *Unique performance identifier* | Integer | Yes | IN PRIMARY KEY  FOREIGN KEY 2  => Performance | - | - |