**REPOSITORY TEMPLATE**

**Instruction for the simplified repository**

1. The documentation of the ***conceptual schema*** includes the ER diagram plus the entity type and attribute type descriptions in the repository.

2. The documentation of the ***physical schema*** includes the detailed table descriptions in the repository.

This time, to *follow and document* *different steps in* *the design process*, we allow a lot of redundancy in the documentation. See the sample repository entries below. Note: there are just a couple of random examples of each type of repository entries.

**ENTITY TYPE DESCRIPTIONS**

|  |  |  |  |
| --- | --- | --- | --- |
| **ENTITY TYPE** | **Description** | **Synonyms, aliases** | **Occurrence** |
| **Kuru\_Culture\_Club** | Club that provides events and venues to hold events | venues, club, events | Venues are open 1 at a time |
| **Event** | An event for culture club in venue | event, happening | Events occur every other month |
| **Artist** | An artist in one or many performances | artist, performer | Every event might have artists |
| **Performance** | Performances for certain events | performance, … | Event might have many performances |
| **Booking** | Booking tickets for events | booking, event, ticket | Booking to event, change frequently when there are seats |

**TABLE DESCRIPTIONS**

**Venues**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Column** | **Description** | **Data type** | **Value**  **required** | **Keys** | **Special domain** |
| venue\_number | Unique venue idendifier | INTEGER | Yes | PRIMARY KEY  (surrogate key) | - |
| capacity | The maximum amount of people | INTEGER | Yes | - | - |

**Event**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Column** | **Description** | **Data type** | **Value required** | **Keys** | **Special domain** |
| event\_number | *Unique event identifier* | INTEGER | Yes | PRIMARY KEY | - |
| venue\_number | *The number of venue for event* | INTEGER | Yes | FOREIGN KEY  => Venues | - |
| event\_capacity | The amount of people maximum in event | INTEGER | Yes | - |  |
| ticket\_price | The price for tickets | DOUBLE(10) | Yes | - | > 0 |
| cancelled | If event has been cancelled | VARCHAR(1) | yes |  | 'Y' or 'N' |
| event\_date | The date when event is happening | DATE | yes | - | - |

**Performance**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Column** | **Description** | **Data type** | **Value required** | **Keys** | **Special domain** |
| performance\_number | *Unique performance identifier* | INTEGER | Yes | PRIMARY KEY | - |
| event\_number | *The number for each event* | INTEGER | Yes | FOREIGN KEY  => Event | - |
| name | Name for the performance | VARCHAR(255) | Yes | - | - |

**Artist**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Column** | **Description** | **Data type** | **Value required** | **Keys** | **Special domain** |
| artist\_number | *Unique artist identifier* | INTEGER | Yes | PRIMARY KEY | - |
| perfomance\_number | *Performance number where artist performs* | INTEGER | No | FOREIGN KEY | - |
| surname | First name of an artist | VARCHAR(255) | Yes | - | - |
| first\_name | Last name of an artist | VARCHAR(255) | Yes | - | - |
| address | Artist address | VARCHAR(255) | Yes | - | - |
| phone | Artist phone number | VARCHAR(255) | Yes | - | - |
| email | Artist e-mail address | VARCHAR(255) | Yes | - | - |
| catering | The catering needs for artist | VARCHAR(255) | Yes | - | - |
| refreshments | The refreshment needs for artist | VARCHAR(255) | Yes | - | - |

**Booking**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Column** | **Description** | **Data type** | **Value required** | **Keys** | **Special domain** |
| booking\_number | *Unique identifier for booking event* | INTEGER | Yes | PRIMARY KEY | - |
| event\_number | *Unique event identifier* | INTEGER | Yes | FOREIGN KEY  => Event | - |
| paid | Payment completion status  'N' = registered only, not paid 'Y' = booking paid | CHAR(1) | Yes | - | 'N', 'Y' |
| number\_of\_tickets | The amount of tickets booked | INTEGER | Yes | - | >0 |
| refund | Status of refund  'Y' = will get refund  NULL = no need for refund | CHAR(1) | No | - | 'Y' or NULL |
| phone | Customer's phone number | VARCHAR(255) | No | - | - |
| booking\_date | Date when booked | DATE | Yes | - | - |