

ASSUMPTIONS

1) An artist is able to offer one more artwork to MAU

- It is assumed that an artist would only be represented by MAU if and only if MAU likes the artist's work, which requires the artist to submit at least one artwork to be registered in MAU's database

2) An artwork is offered by one and only one artist

- It is assumed no collaboration is allowed to be submitted and the artist's artwork must be created independently

3) ARTWORK

- if the artist only provided the parent_style, it is keyed into the table, child_style would be NULL
- if the artist only provided the child_style, it is keyed into the table, parent_style would be NULL (but parent_style still can be retrieved)

4) An artwork is determined by one and only one style

- It is assumed that one artwork has only one parent style or one child style
- It is also assumed that when an artwork has a child style keyed into the database, information about the parent style can be retrieved from STYLE table.

5) One style can determine one or many artwork

- It is assumed that one type of parent style or child style can determine more than one artwork.
 - i. E.g. 2 different artworks can have the parent style of 'Chinese Art' and the child style of 'Ink Wash and Painting'
 - ii. Or, 2 different artworks can have the parent style of 'Chinese Art' but have different child style like "Ink Wash and Painting' and 'Gongbi'

6) An artwork might not be chosen by the gallery or one and only one artwork can be exhibit by only one gallery

- It is assumed that some artwork would not be chosen by the gallery to be displayed, hence they are with MAU
- It is also assumed that if an artwork is chosen, only one artwork is only at one gallery for the period of time the gallery exhibits it until it is sold or returned to MAU

7) One gallery can exhibit zero or more artwork

- It is assumed that a gallery might be registered to with MAU, but they haven't picked any artwork to exhibit yet
- It is also assumed that one gallery may exhibit one or more artwork at the same period of time or different period of time, depending on the gallery's decision

8) A gallery can organize zero or many exhibits

- It is assumed that a gallery can choose to not to exhibit anything (closed) or exhibit multiple artwork at once

9) An artwork is exhibit by only one gallery

- It is assumed that one artwork is only at one gallery for the period of time the gallery exhibits it until it is sold or returned to MAU by the gallery

10) An artwork undergoes zero or one exhibits

- It is assumed that either an artwork is being displayed on the gallery or they are not on display (they are with MAU)

11) One or many artworks can be exhibited at the same time

- It is assumed that different artworks can be exhibited at the same time

12) One exhibit can generate zero or more sale

- It is assumed that there are days where the gallery is unable to sell any of the artworks on display

13) A sale is initiated by one and only one customer

- It is assumed that only one artwork can be bought by one customer,
 - i. e.g. one artwork cannot be bought by two customers

14) A customer can initiate zero or more sale

- It is assumed that a customer hasn't bought an artwork or have bought one or more artwork
- As mentioned in the PDF file, a customer must be a registered user to purchase an artwork from any gallery, hence they must be registered users (haven't bought any artwork) then only they can go ahead to purchase one.

15) Composite keys in ARTWORK

- It is assumed that art_title cannot be unique because there is a possibility that many artworks are untitled, or the artists name their artwork 'untitled' or different artist may have the same name for their paintings
- It is also assumed received_date cannot be unique because there is a possibility that the same artist might submit two paintings on the same day or different artist submit a painting on the same day
- Hence, art_number, artist_id are composite keys because they are unique