

Arie Hendrikse 30590566 FIT3171 Assignment 1: Assignment 1A- Conceptual Model- Monash Art Union (MAU).

Rough Entities

ARTIST(artist_code,artist_name ,artist_no_works,artist_ph,artist_addr)

CUSTOMER(cust_id,cust_name, cust_ph,cust_addr)

ARTWORK(artwork_no,artist_id, artwork_title, date_accepted, min_price,media_description,style_name,exhibit_id)

STYLE(style_name, style_parent)

GALLERY(gallery_id,gallery_name,gallery_manager,gallery_commission,gal_phonemgal_addr)

EXHIBIT(gal_id,art_id,artist_code, gal_start_date,gal_end_date,gal_acceptance_date)

SALE(sale_id,artwork_no,sale_date,sale_price,cust_id)

Assumptions and explanation

As this is a 'FULL' conceptual model. There needs to be an exhibit entity between gallery and artwork as a gallery can request zero or multiple artworks. As is it was zero to many on both sides an 'associative entity' was made with exhibit.

We are assuming one artwork per exhibit. (eg, cant have an exhibit based on style).

We are not making exhibit id as we cannot use surrogate key.

We are assuming that exhibits can only make zero or one sales.

We would have used a CONTACT entity to avoid repeating groups. However, as we cannot create surrogate keys, we did not do this. Therefore, the ERD has what could be a composite attribute as just ph and addr for each of customer,artist, and gallery.

We assume an artist can have no artwork, or many artworks. You don't need art to be an artist.

We are assuming sales are final, with no refunds. Meaning that there is one sale per artwork or zero.

As exhibits can end, we have added an end date attribute. This will mean an artwork can have many exhibits; however, a condition is that artworks have to have an end date of their previous exhibits before they can create a new exhibit.

We assume a style exists even if it has no artworks. This is in line with an artist existing without art being possible.

We assume artwork can be requested by multiple galleries but can only be accepted by one. We also assume that the date accepted can be null.

We assume art can only be made by one artist.

We assume artists customers and galleries only have one address.

We assume customers only have one business.