

SAMPLE 1 - MAU ArtWork Status History Reports

UNF

ART(art_no, art_title, artist_code, artist_name, date_added, (date, art_status, gallery_id, gallery_name))

1NF

ART(art_no, art_title, artist_code, artist_name, date_added)

STATUS(art_no, date, art_status, gallery_id, gallery_name)

Partial dependencies:

No partial dependency

2NF

ART(art_no, art_title, artist_code, artist_name, date_added)

STATUS (art_no, date, art_status, gallery_id, gallery_name)

Transitive dependencies:

artist_code → artist_name

gallery_id → gallery_name

3NF

ART(art_no, art_title, artist_code, date_added)

STATUS (art_no, date, art_status, gallery_id)

ARTIST(artist_code, artist_name)

GALLERY(gallery_id, gallery_name)

Full dependencies:

art_no → art_title, artist_code, date_added

art_no, date, art_status → gallery_id

artist_code → artist_name

gallery_id → gallery_name

SAMPLE 1 - MAU GalleryDisplay Report

UNF

GALLERY (gallery_id, gallery_name, gallery_street, gallery_town, gallery_state, gallery_opens, gallery_closes, (artist_code, art_no, art_title, artist_name, date_exh_start, date_exh_end, featured))

1NF

GALLERY (gallery_id, gallery_name, gallery_street, gallery_town, gallery_state, gallery_opens, gallery_closes)

EXHIBITION(gallery_id, artist_code, art_no, art_title, artist_name, date_exh_start, date_exh_end, featured)

Partial dependencies:

art_no → art_title, artist_code, artist_name

2NF

GALLERY (gallery_id, gallery_name, gallery_street, gallery_town, gallery_state, gallery_opens, gallery_closes)

EXHIBITION(gallery_id, artist_code, art_no, date_exh_start, date_exh_end, featured)

ART(art_no, art_title, artist_code, artist_name)

Transitive dependencies:

artist_code → artist_name

3NF

GALLERY (gallery_id, gallery_name, gallery_street, gallery_town, gallery_state, gallery_opens, gallery_closes)

EXHIBITION(gallery_id, art_no, date_exh_start, date_exh_end, featured)

ARTIST(artist_code, artist_name)

ART(art_no, art_title, artist_code)

Full dependencies:

gallery_id → gallery_name, gallery_street, gallery_town, gallery_state, gallery_opens, gallery_closes

gallery_id, art_no → date_exh_start, date_exh_end, featured

artist_code → artist_name

art_no → art_title, artist_code

COLLECTED 3NF RELATIONS

ART(art_no, art_title, artist_code, date_added)

STATUS (art_no, date, art_status, gallery_id)

ARTIST(artist_code, artist_name)

GALLERY(gallery_id, gallery_name)

GALLERY (gallery_id, gallery_name, gallery_street, gallery_town, gallery_state, gallery_opens, gallery_closes)

EXHIBITION(gallery_id, art_no, date_exh_start, date_exh_end, featured)

ARTIST(artist_code, artist_name)

ARTWORK(art_no, art_title, artist_code)

ATTRIBUTE SYNTHESIS

ART(art_no, art_title, artist_code, date_added)

STATUS (art_no, date, art_status, gallery_id)

ARTIST(artist_code, artist_name)

GALLERY (gallery_id, gallery_name, gallery_street, gallery_town, gallery_state, gallery_opens, gallery_closes)

EXHIBITION(gallery_id, art_no, date_exh_start, date_exh_end, featured)