

## MAU ArtWork Status History Report

UNF

**ARTWORK**(artwork\_no, artwork\_title, artist\_code, artist\_name, date\_accepted, (statu\_date, statu\_type, gallery\_id, gallery\_name))

There is no dependency.

1NF

**ARTWORK**(artwork\_no, artwork\_title, artist\_code, artist\_name, date\_accepted)

**STATU**(artwork\_no, artist\_code, statu\_date, statu\_type, gallery\_id, gallery\_name)

Partial dependencies:

artist\_code → artist\_name

2NF

**ARTWORK**(artwork\_no, artwork\_title, artist\_code, date\_accepted)

**STATU**(artwork\_no, artist\_code, statu\_date, statu\_type, gallery\_id, gallery\_name)

**ARTIST**(artist\_code, artist\_name)

Transitive dependencies:

gallery\_id → gallery\_name

3NF

**ARTWORK**(artwork\_no, artwork\_title, artist\_code, date\_accepted)

**STATU**(artwork\_no, artist\_code, statu\_date, statu\_type, gallery\_id)

**ARTIST**(artist\_code, artist\_name)

**GALLERY**(gallery\_id, gallery\_name)

Full dependencies:

artwork\_no, artist\_code → artwork\_title, date\_accepted

artwork\_no, artist\_code, statu\_date → statu\_type, gallery\_id

artist\_code → artist\_name

gallery\_id → gallery\_name

MAU Gallery Display Report

UNF

**GALLERY**(gallery\_id, gallery\_name, gallery\_street, gallery\_town, gallery\_state, gallery\_open,  
gallery\_close, (artist\_code, artwork\_no, artwork\_title, artist\_name, exb\_start\_date,  
exb\_end\_date, feature\_in\_catalog))

There is no dependency.

1NF

**GALLERY**(gallery\_id, gallery\_name, gallery\_street, gallery\_town, gallery\_state, gallery\_open,  
gallery\_close)

**EXHIBITION**(gallery\_id, artist\_code, artwork\_no, artwork\_title, artist\_name, exb\_start\_date,  
exb\_end\_date, feature\_in\_catalog)

Partial dependencies:

$\text{artist\_code} \rightarrow \text{artist\_name}$

$\text{artist\_code}, \text{artwork\_no} \rightarrow \text{artwork\_title}$

2NF

**GALLERY**(gallery\_id, gallery\_name, gallery\_street, gallery\_town, gallery\_state, gallery\_open, gallery\_close)

**EXHIBITION**(gallery\_id, artist\_code, artwork\_no, exb\_start\_date, exb\_end\_date, feature\_in\_catalog)

**ARTIST**(artist\_code, artist\_name)

**ARTWORK**(artist\_code, artwork\_no, artwork\_title)

No transitive dependency.

3NF

**GALLERY**(gallery\_id, gallery\_name, gallery\_street, gallery\_town, gallery\_state, gallery\_open, gallery\_close)

**EXHIBITION**(gallery\_id, artist\_code, artwork\_no, exb\_start\_date, exb\_end\_date, feature\_in\_catalog)

**ARTIST**(artist\_code, artist\_name)

**ARTWORK**(artist\_code, artwork\_no, artwork\_title)

Full dependencies:

gallery\_id → gallery\_name, gallery\_street, gallery\_town, gallery\_state, gallery\_open,  
gallery\_close

gallery\_id, artist\_code, artwork\_no, exb\_start\_date → exb\_end\_date, feature\_in\_catalog

artist\_code → artist\_name

artist\_code, artwork\_no → artwork\_title

COLLECTED 3NF RELATIONS:

**1. ARTWORK**(artwork\_no, artwork\_title, artist\_code, date\_accepted)

**2. STATU**(artwork\_no, artist\_code, statu\_date, statu\_type, gallery\_id)

**3. ARTIST**(artist\_code, artist\_name)

**4. GALLERY**(gallery\_id, gallery\_name)

**5. GALLERY**(gallery\_id, gallery\_name, gallery\_street, gallery\_town, gallery\_state,  
gallery\_open, gallery\_close)

**6. EXHIBITION**(gallery\_id, artist\_code, artwork\_no, exb\_start\_date, exb\_end\_date,  
feature\_in\_catalog)

**7. ARTIST**(artist\_code, artist\_name)

**8. ARTWORK**(artist\_code, artwork\_no, artwork\_title)

## ATTRIBUTE SYNTHESIS

1 & 8:

**ARTWORK**(artwork\_no, artist\_code, artwork\_title, date\_accepted)

2:

**STATU**(artwork\_no, artist\_code, statu\_date, statu\_type, gallery\_id)

3 & 7:

**ARTIST**(artist\_code, artist\_name)

4 & 5:

**GALLERY**(gallery\_id, gallery\_name, gallery\_street, gallery\_town, gallery\_state, gallery\_open,  
gallery\_close)

6:

**EXHIBITION**(gallery\_id, artist\_code, artwork\_no, exb\_start\_date, exb\_end\_date,  
feature\_in\_catalog)

