**Normalization**

*MAU Artwork Status History Reports*

***UNF***

**STATUS** (artwork\_no, artwork\_title, artist\_code, artist\_name, date\_added, (status\_date, status\_artwork, gallery\_id, gallery\_name))

***1NF***

**ARTWORK** (artist\_code, artwork\_no, artwork\_title, artist\_given\_name, artist\_family\_name, date\_added)

**STATUS** (artist\_code, artwork\_no, status\_date, status\_artwork, gallery\_id, gallery\_name)

Partial dependencies: artist\_code -> artist\_given\_name, artist\_family\_name

***2NF***

**ARTWORK** (artist\_code, artwork\_no, artwork\_title, artist\_given\_name, artist\_family\_name, date\_added)

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

**STATUS** (artist\_code, artwork\_no, status\_date, status\_artwork, gallery\_id, gallery\_name)

Transitive dependencies: gallery\_id -> gallery\_name

***3NF***

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

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

**STATUS** (artist\_code, artwork\_no, status\_date, status\_artwork, gallery\_id)

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

Full dependencies

artist\_code, artwork\_no -> artwork\_title, date\_added

artist\_code -> artist\_given\_name, artist\_family\_name

artist\_code, artwork\_no, status\_date -> status\_artwork, gallery\_id

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, date\_start, date\_end, featured\_catalog))

***1NF***

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

**EXHIBIT** (artist\_code, artwork\_no, artwork\_title, artist\_given\_name, artist\_family\_name, date\_start, date\_end, featured\_catalog)

Partial Dependencies: artist\_code -> artist\_given\_name, artist\_family\_name artwork\_no, artist\_code -> artwork\_title

***2NF***

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

**EXHIBIT** (artist\_code, artwork\_no, date\_start, date\_end, featured\_catalog)

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

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

Transitive Dependencies: None present

***3NF***

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

**EXHIBIT** (artist\_code, artwork\_no, date\_start, date\_end, featured\_catalog)

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

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

Full dependencies

gallery\_id -> gallery\_name, gallery\_street, gallery\_town, gallery\_state, gallery\_open, gallery\_close

artist\_code, artwork\_no, date\_start -> date\_end, featured\_catalog

artist\_code, artwork\_no -> artwork\_title

artist\_code-> artist\_given\_name, artist\_family\_name

**Collected 3NF relations**

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

**EXHIBIT** (artist\_code, artwork\_no, date\_start, date\_end, featured\_catalog)

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

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

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

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

**STATUS** (artist\_code, artwork\_no, status\_date, status\_artwork, gallery\_id)

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

**Attribute Synthesis**

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

**EXHIBIT** (artist\_code, artwork\_no, date\_start, date\_end, featured\_catalog)

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

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

**STATUS** (artist\_code, artwork\_no, status\_date, status\_artwork, gallery\_id)