CPT 242 002

Fall 2019

Author: Jonathan Trent Patterson

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| **Attribute Name** | **Key** | **Type** | **Size** | **Req?** | **Format** | **Comment** |
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COMMENTS:

# Address

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| **Attribute Name** | **Key** | **Type** | **Size** | **Req?** | **Format** | **Comment** |
| AddID | PK | number |  | y |  |  |
| ZipCode | FK:ZipCode |  |  |  |  |  |
| AddApt |  | number |  | n |  | Optional apt number |
| AddStreet |  | Varchar | 100 | y |  | House number and street name |
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COMMENTS:

# Author – Subtype of Person

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| **Attribute Name** | **Key** | **Type** | **Size** | **Req?** | **Format** | **Comment** |
| PersonID | PK:FK:PersonID |  |  | y |  |  |
| DOD |  | Date |  | N |  | Date of Death |
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COMMENTS:

# City

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| **Attribute Name** | **Key** | **Type** | **Size** | **Req?** | **Format** | **Comment** |
| **CityID** | PK | Number | 100 |  |  |  |
| CityName |  | VARCHAR | 100 | Y |  |  |
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COMMENTS:

# Collection

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| **Attribute Name** | **Key** | **Type** | **Size** | **Req?** | **Format** | **Comment** |
| **ColID** | PK | Number | 10 | Y | nnnnnnnnnn | (surrogate key) |
| **TtlID** | PK:Title |  |  |  |  |  |
| ColAvailable |  | Boolean |  |  |  |  |
| ColPageCount |  | Number |  |  |  |  |
| CollPrice |  |  |  |  |  | Purchase/replacement cost |
| PubID | FK:Publisher |  |  |  |  |  |
| LangID | FK:Language |  |  |  |  |  |
| ColDate |  | DATE |  | Y |  | Date of aquisiion |
| MediaCode | FK:Media |  |  |  |  |  |
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COMMENTS:

# Genre

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| **Attribute Name** | **Key** | **Type** | **Size** | **Req?** | **Format** | **Comment** |
| GenreCode | PK | CHAR | 2 | Y |  | Genre abbrev code |
| Genre |  | VARCHAR | 20 |  |  |  |
| TitleID | FK:Title |  |  |  |  |  |
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COMMENTS:

# Language

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| **Attribute Name** | **Key** | **Type** | **Size** | **Req?** | **Format** | **Comment** |
| **LanguageID** | PK | Number |  | Y |  | Autonumber |
| LangDesc |  | Varchar | 20 | Y |  |  |
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COMMENTS:

# Loan

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| **Attribute Name** | **Key** | **Type** | **Size** | **Req?** | **Format** | **Comment** |
| LoanID | PK | INT |  | Y |  | LoanID |
| PerID | FK:Person |  |  | Y |  |  |
| ColID | FK:Collection |  |  | Y |  |  |
| LoanDate |  | DATE |  | Y |  | Date of Loan |
| LoanDue |  | Date |  | Y |  | Date Due |
| LoanReturn |  | Date |  | N |  | Return Date |
| LoanFee |  | INT |  |  |  | Late Fee / replacement fee |
| LoanPaid |  | Number |  |  |  | Fee Paid |
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COMMENTS:

# Media

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| **Attribute Name** | **Key** | **Type** | **Size** | **Req?** | **Format** | **Comment** |
| MediaCode |  | Char | 5 | Y |  |  |
| MediaDesc |  | VarChar | 20 | Y |  |  |
| TermID | FK:Term |  |  |  |  |  |
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COMMENTS:

# Person

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| **Attribute Name** | **Key** | **Type** | **Size** | **Req?** | **Format** | **Comment** |
| **PerID** | PK | INT |  | Y |  |  |
| PerLname |  | VARCHAR | 25 |  |  |  |
| PerFname |  | VARCHAR | 25 |  |  |  |
| PerStatus |  | CHAR | 1 |  |  | Person Standing |
| PerPhone |  |  |  |  |  | Telephone number |
| PerDOB |  | Date |  | Y |  | Date of Birth |
| PerMid |  | VARCHAR | 25 |  |  |  |
| AddID | FK:Address |  |  |  |  |  |
| PerExpire |  | Date |  |  |  | Expiration Date |
| PerEnroll |  | Date |  |  |  | Patron join date |
| PerGender |  | Char | 1 | Y |  | M or F |
| PerResID | FK:Person |  |  |  |  | Responsible Person |
|  |  |  |  |  |  |  |
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COMMENTS:

**PerStatus Values: 0 – Good Standing, 1 – Overdue Loans, 2 – Unpaid Fines, 3 – Non Patron, 4- Expired Card**

# Publisher

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| **Attribute Name** | **Key** | **Type** | **Size** | **Req?** | **Format** | **Comment** |
| PubID | PK | Number |  | Y |  | Autnumber surrogate |
| PubName |  | Varchar | 50 | Y |  |  |
| PubPhone |  |  |  | Y |  |  |
| AddID | FK:Address |  |  | Y |  |  |
| PubEmail |  | VARCHAR | 15 |  |  | Publisher Email |
| PerContact | FK:Person |  |  |  |  | Contact Person |
| PerSales | FK:Person |  |  |  |  | Sales Person |
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COMMENTS:

# Rating

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| **Attribute Name** | **Key** | **Type** | **Size** | **Req?** | **Format** | **Comment** |
| RatCode | OK |  |  |  |  |  |
| RatDesc |  | VARCHAR |  |  |  |  |
| RatMinAge |  | INT |  |  |  |  |
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COMMENTS:

# State

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| **Attribute Name** | **Key** | **Type** | **Size** | **Req?** | **Format** | **Comment** |
| StateID | PK |  |  |  |  |  |
| StaNane |  | Varchar | 30 | Y |  |  |
| StaAbbr |  | CHAR | 2 | Y |  |  |
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COMMENTS:

# Term

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| **Attribute Name** | **Key** | **Type** | **Size** | **Req?** | **Format** | **Comment** |
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|  |  |  |  |  |  |  |
| TermLength |  | Number |  |  |  | Number of days |
| TermLateFee |  | Number |  |  |  | Late Fee (per day) |
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COMMENTS:

# Title

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| **Attribute Name** | **Key** | **Type** | **Size** | **Req?** | **Format** | **Comment** |
| **TtlID** | PK | Number | 10 | Y | 9999999999 |  |
| GenreCode | FK:Genre |  |  | Y |  |  |
| RatCode | FK:Rating |  |  | N |  |  |
| TtlAuthor | FK:Person |  |  |  |  | Author |
| TtlTitle |  | VARCHAR | 25 | Y |  |  |
| TtlSubTitle |  | VARCHAR | 25 | n |  |  |
| PubID | FK:Publisher |  |  |  |  |  |
| TtlDate |  | DATE |  | Y |  | Publication/release date |
| TtlVersion |  | VARCHAR | 5 |  |  |  |
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COMMENTS:

# Waitlist

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| **Attribute Name** | **Key** | **Type** | **Size** | **Req?** | **Format** | **Comment** |
| WaitID | PK | INT |  | Y |  | Autonumber |
| PerID | FK:Person |  |  |  |  |  |
| TtlID | FK:Title |  |  |  |  |  |
| WaitDate |  | DATE |  | Y |  | Date added to list |
| WaitNotify |  | DATE |  |  |  | Date notified |
| WaitActive |  | BOOL |  | Y |  |  |
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COMMENTS:

# ZipCode

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| **Attribute Name** | **Key** | **Type** | **Size** | **Req?** | **Format** | **Comment** |
| ZipCode | PK | char | 10 | Y | nnnn-nnnn | Stored in zip+4 format |
| CityID | FK:City |  |  |  |  |  |
| StaAbbr | FK:State |  |  |  |  |  |
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COMMENTS: