

Sierra Rittue

April 22nd, 2020

LIS458

Bruce Tis

Final Database Project

R&C Library

Conceptual Design

Mission

The purpose of this database is to allow R&C Library to efficiently manage their personal library collection, track lending transactions, identify available and unavailable items within the collection, and prevent the loss of items. Patrons should be able to easily use the R&C website to access the database for search and registration purposes.

Objectives

- Catalog each item within the library to prevent any future losses.
- Manage information about each book or music item within the collection. This includes author/composer, title, genre, and publication date.
- Provide patrons with a search feature for easy access to the collection
- Create a table to track lending transactions. This must include the items being checked out, the patron's name, and eventually the date the items were returned.
- Allow books and music to be involved in multiple lending transactions
- Generate reports as necessary on:
 - Lending transactions
 - Currently available vs. currently unavailable collection items.
 - Frequency of items being lent out

Business Rules

- One and only one book OR one and only one music item may be associated with a single Collection ID. A Collection ID may not be associated with both a book and music.

- Any item may be associated with one and only one transaction at any one time.
- Patrons may check out a maximum of three (3) items of any type at any one time.
- For any non-specific dates, the default will be the first of the month. Ex. March 1st, 1936 for something published in March 1936 without a listed date. If only the year is available, the default will be January 1st of that year.
- For books or music with multiple authors or composers, the only the first listed will be recorded for the item's database record.

Data Entry Form Examples

1. Collection Identifier Entry Form

COLLECTION IDENTIFIER ENTRY FORM

Collection ID: _____

Entry Date (MM/DD/YYYY): _____

Type: ☐ Book☐ MusicFormat: BooksMusic☐ Hardcover☐ Sheet Music☐ Softcover☐ Full ScoreOwner: ☐ Sierra☐ Matt

ITEM DETAILS

Title: _____

Author/Composer (circle one): _____

Genre: _____

Publication Date (MM/DD/YYYY): _____

Condition (circle one): New Used

2. Item Checkout Form

ITEM CHECKOUT

Collection ID: _____

Check-Out Date (MM/DD/YYYY): _____

Title: _____

Author/Composer (circle one): _____

Collection ID: _____

Title: _____

Author/Composer (circle one): _____

Collection ID: _____

Title: _____

Author/Composer (circle one): _____

CONTACT DETAILS

First name: _____

Last name: _____

Phone: _____

By signing this form, I agree to respectfully care for the item(s) in my possession. I will return the item(s) within 30 days of the check-out date.

Signature: _____

Date: _____

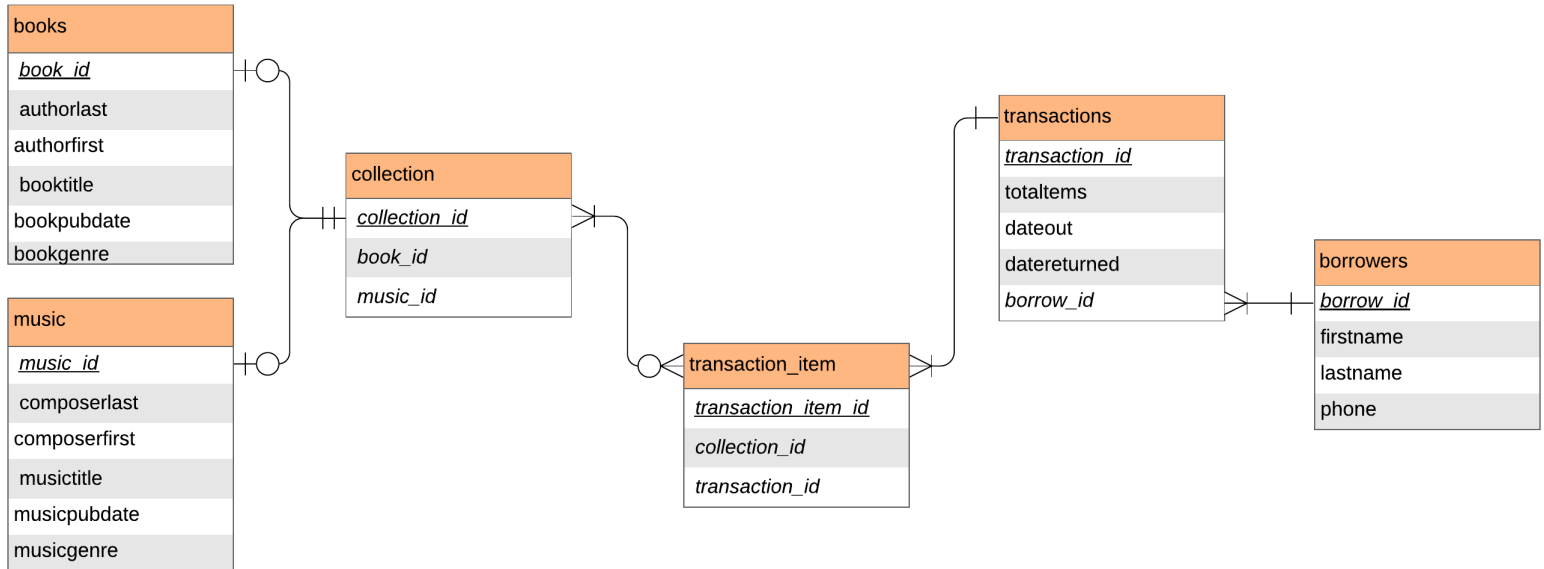
Output Report Examples

1. List of Books in the Collection

book_id	authorlast	authorfirst	booktitle	bookpubdate	bookgenre
1000	Evenson	Brian	Immobility	04/10/2012	fiction
1001	Gill	Nikita	Wild Embers	11/14/2017	poetry
1002	Morrison	Toni	Beloved	08/12/1987	fiction
1003	Murray	Sabina	A Carnivore's Inquiry	06/04/2004	fiction
1004	Myles	Eileen	Cool for You	11/01/2000	fiction

2. List of Lending Transactions

transactions_id	totalitems	firstname	lastname	dateout	datereturned	collection_id
1000	1	Elliot	Stabler	01/20/2019	02/01/2019	103
1001	1	Olivia	Benson	02/01/2019	02/11/2019	165
1002	3	John	Munch	03/15/2019	04/20/2019	100, 101, 120
1003	2	Finn	Tutuola	05/06/2019	05/29/2019	104, 150
1004	1	Aaron	Hotchner	05/13/2019	06/12/2019	130

Entity-Relationship Diagram

Logical Design

Table Schema

books (book_id, authorlast, authorfirst, booktitle, bookpubdate, bookgenre)

music (music_id, composerlast, composerfirst, musictitle, musicpubdate, musicgenre)

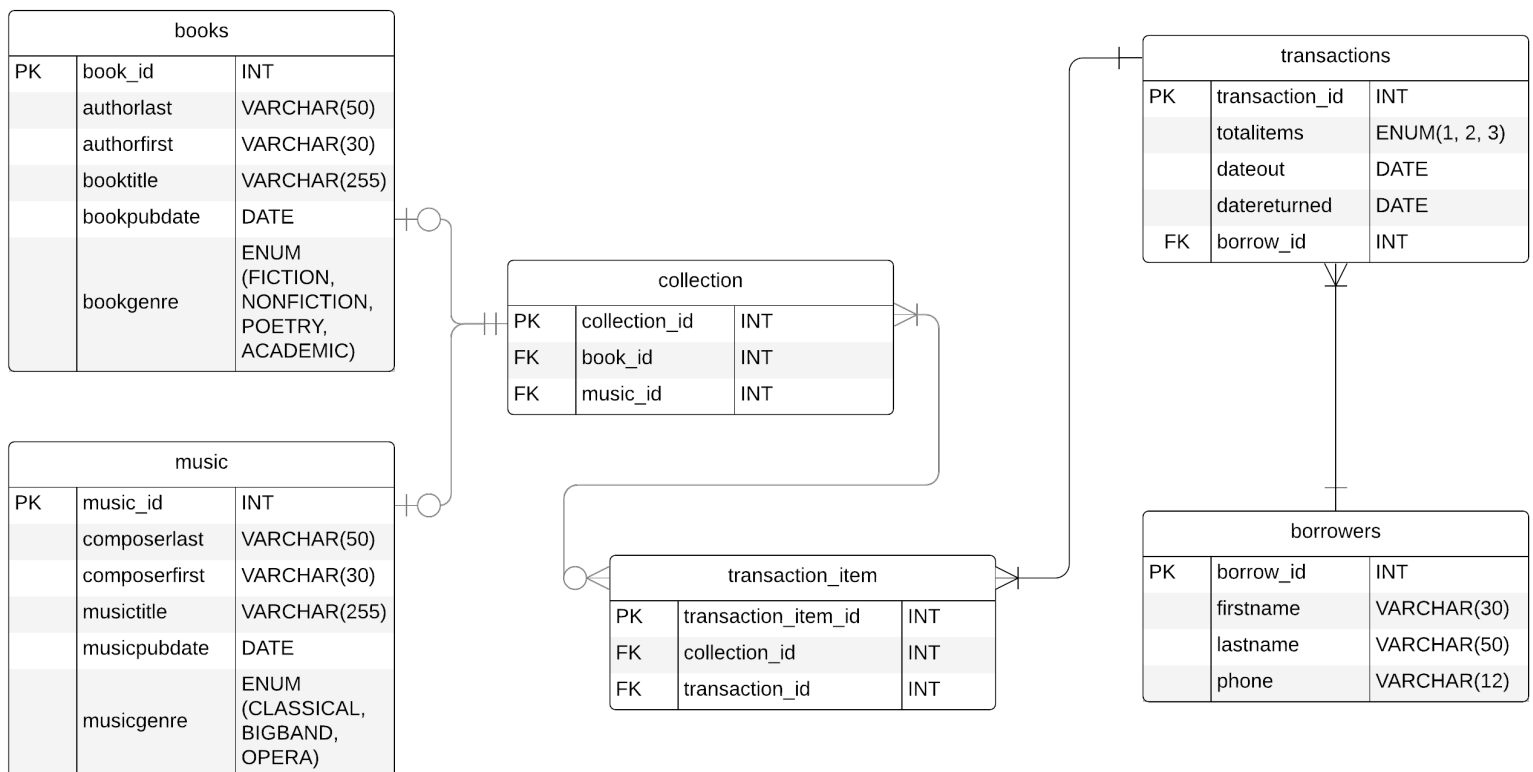
collection (collection_id, book_id, music_id)

borrowers (borrow_id, firstname, lastname, phone)

transactions (transaction_id, totalitems, dateout, datereturned, borrow_id)

transaction_item (transaction_item_id, collection_id, transaction_id)

Database Design Diagram



Normalization Statements

The books table is normalized to BCNF because it is in 3NF and the determinants are also candidate keys.

The music table is normalized to BCNF because it is in 3NF and the determinants are also candidate keys.

The collection table is normalized to BCNF because it is in 3NF and the determinants are also candidate keys.

The transactions table is normalized to BCNF because it is in 3NF and the determinants are also candidate keys.

The borrowers table is normalized to BCNF because it is in 3NF and the determinants are also candidate keys.

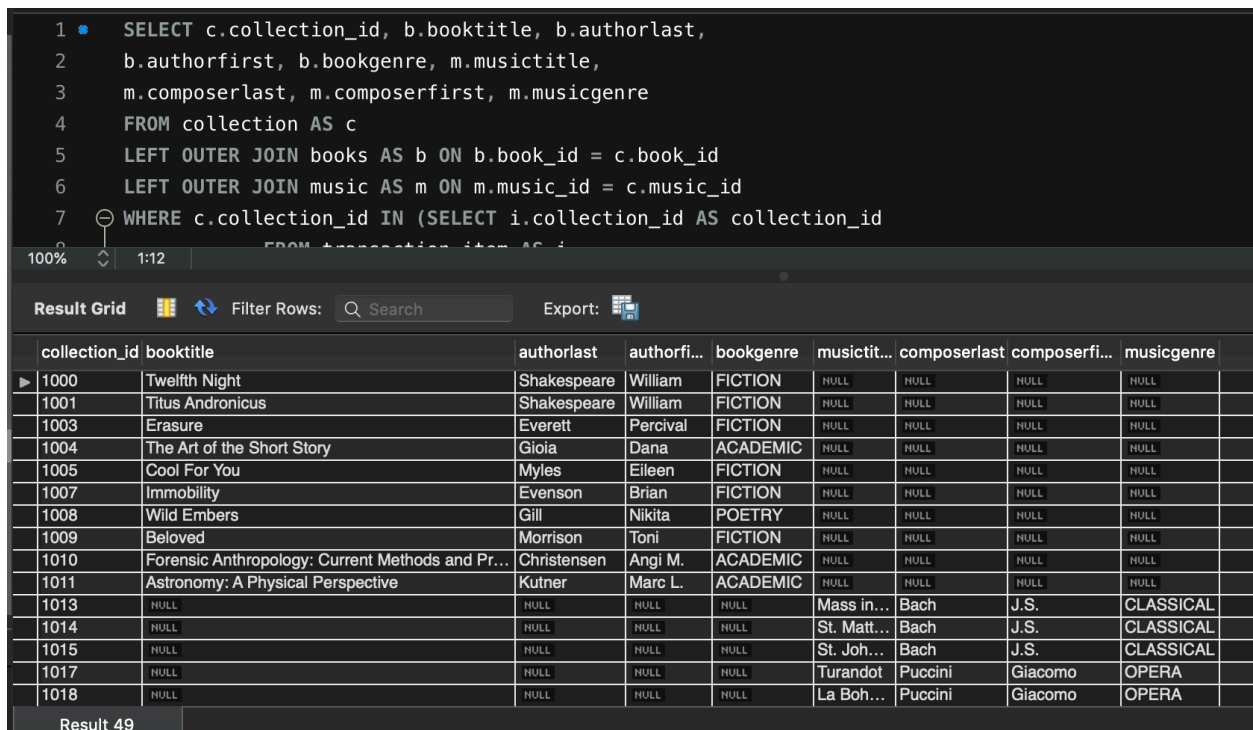
The transaction-item table is normalized to BCNF because it is in 3NF and the determinants are also candidate keys.

FIELD SPECIFICATIONS CAN BE FOUND AT THE END OF THE DOCUMENT

SQL Queries

1. This query returns the collection_id and relevant item-specific information of all those that are currently available and not on loan at the moment. This query uses 5 tables.

```
SELECT c.collection_id, b.booktitle, b.authorlast,
b.authorfirst, b.bookgenre, m.musictitle,
m.composerlast, m.composerfirst, m.musicgenre
FROM collection AS c
LEFT OUTER JOIN books AS b ON b.book_id = c.book_id
LEFT OUTER JOIN music AS m ON m.music_id = c.music_id
WHERE c.collection_id IN (SELECT i.collection_id AS collection_id
                        FROM transaction_item AS i
                        RIGHT JOIN transactions AS t ON t.transaction_id = i.transaction_id
                        WHERE t.datereturned IS NOT NULL)
GROUP BY c.collection_id;
```



The screenshot shows a SQL query editor with the following query:

```
1 SELECT c.collection_id, b.booktitle, b.authorlast,
2 b.authorfirst, b.bookgenre, m.musictitle,
3 m.composerlast, m.composerfirst, m.musicgenre
4 FROM collection AS c
5 LEFT OUTER JOIN books AS b ON b.book_id = c.book_id
6 LEFT OUTER JOIN music AS m ON m.music_id = c.music_id
7 WHERE c.collection_id IN (SELECT i.collection_id AS collection_id
                        FROM transaction_item AS i
                        RIGHT JOIN transactions AS t ON t.transaction_id = i.transaction_id
                        WHERE t.datereturned IS NOT NULL)
GROUP BY c.collection_id;
```

Below the query editor, the results are displayed in a table grid. The table has 10 columns: collection_id, booktitle, authorlast, authorfirst, bookgenre, musicit..., composerlast, composerfi..., and musicgenre. The results show 18 rows of data, with the first 11 rows having collection_id values from 1000 to 1011, and the last 7 rows having collection_id values from 1013 to 1018. The first 11 rows have booktitle, authorlast, authorfirst, and bookgenre values, while the last 7 rows have NULL values for these columns. The musicit..., composerlast, composerfi..., and musicgenre columns have values for all rows.

collection_id	booktitle	authorlast	authorfirst	bookgenre	musicit...	composerlast	composerfi...	musicgenre
1000	Twelfth Night	Shakespeare	William	FICTION	NULL	NULL	NULL	NULL
1001	Titus Andronicus	Shakespeare	William	FICTION	NULL	NULL	NULL	NULL
1003	Erasure	Everett	Percival	FICTION	NULL	NULL	NULL	NULL
1004	The Art of the Short Story	Gioia	Dana	ACADEMIC	NULL	NULL	NULL	NULL
1005	Cool For You	Myles	Eileen	FICTION	NULL	NULL	NULL	NULL
1007	Immobility	Evenson	Brian	FICTION	NULL	NULL	NULL	NULL
1008	Wild Embers	Gill	Nikita	POETRY	NULL	NULL	NULL	NULL
1009	Beloved	Morrison	Toni	FICTION	NULL	NULL	NULL	NULL
1010	Forensic Anthropology: Current Methods and Pr...	Christensen	Angi M.	ACADEMIC	NULL	NULL	NULL	NULL
1011	Astronomy: A Physical Perspective	Kutner	Marc L.	ACADEMIC	NULL	NULL	NULL	NULL
1013	NULL	NULL	NULL	NULL	Mass in...	Bach	J.S.	CLASSICAL
1014	NULL	NULL	NULL	NULL	St. Matt...	Bach	J.S.	CLASSICAL
1015	NULL	NULL	NULL	NULL	St. Joh...	Bach	J.S.	CLASSICAL
1017	NULL	NULL	NULL	NULL	Turandot	Puccini	Giacomo	OPERA
1018	NULL	NULL	NULL	NULL	La Boh...	Puccini	Giacomo	OPERA

Result 49

2. This query returns the borrower ID, name, and phone number of any patrons with books currently out on loan. This is useful in cases where follow up is needed. This query uses 2 tables.
-

```
SELECT t.borrow_id,b.firstname, b.lastname, b.phone
FROM transactions AS t
RIGHT JOIN borrowers AS b ON b.borrow_id = t.borrow_id
WHERE datereturned IS NULL;
```

The screenshot shows a SQL query editor with a dark background. The query is as follows:

```
1 SELECT t.borrow_id,b.firstname, b.lastname, b.phone
2 FROM transactions AS t
3 RIGHT JOIN borrowers AS b ON b.borrow_id = t.borrow_id
4 WHERE datereturned IS NULL;
5
6
7
```

Below the editor, there is a toolbar with a zoom level of 100%, a 1:1 ratio, and buttons for 'Result Grid', 'Filter Rows', 'Search', and 'Export'. The 'Result Grid' is active, displaying the following data:

	borrow_id	firstname	lastname	phone
▶	1	Ted	Bundy	555-398-0293
	5	Elliot	Stabler	555-474-4931

4. This query can be used in generating reports on item popularity within the collection. It should be taken with a grain of salt, however, since the number of times an item has been checked out does not necessarily mean that patrons are not using it.
-



```
SELECT collection_id,  
       COUNT(collection_id)  
FROM  
       transaction_item  
GROUP BY collection_id  
HAVING COUNT(collection_id) > 1;
```

```

1 SELECT collection_id,
2     COUNT(collection_id)
3 FROM
4     transaction_item
5 GROUP BY collection_id
6 HAVING COUNT(collection_id) > 1;
7
8

```

1:1

Result Grid   Filter Rows:

collection_id	COUNT(collection...	
1003	2	
1004	2	
1005	2	
1009	2	
1010	2	
1011	2	
1013	2	
1014	2	
1015	2	

Result 25

5. This query returns the number of currently open lending transactions (aka those without a return date).
-

```

SELECT COUNT(*) FROM transactions
WHERE datereturned IS NULL;

```

```
1 SELECT COUNT(*) FROM transactions
2 WHERE datereturned IS NULL;
3
4
```

100% 1:3

Result Grid Filter Rows: Search

	COUNT(*)
▶ 2	

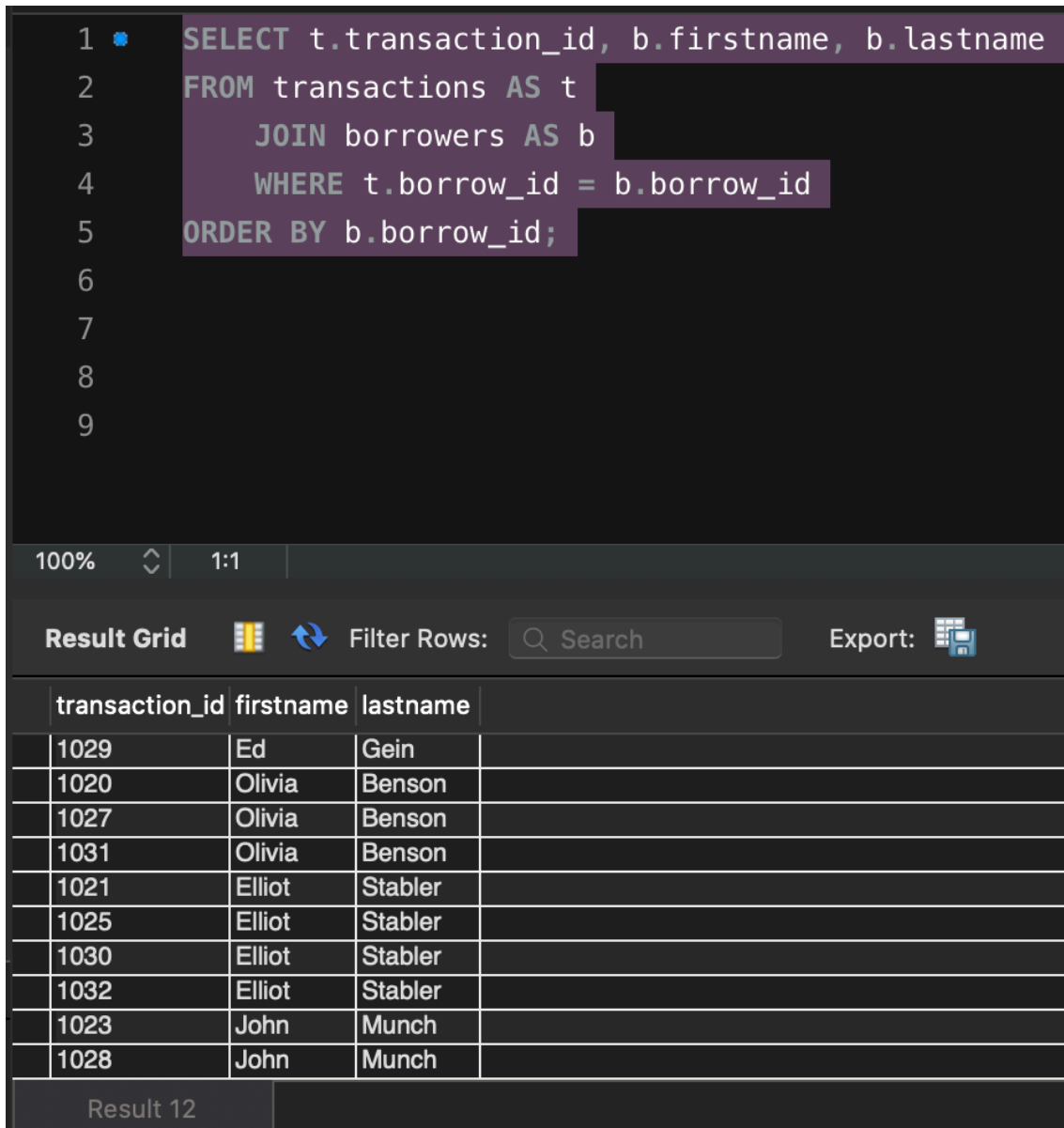
6. This query returns all of the transaction IDs for a specific patron. This can be useful if a patron is looking for an item they've previously checked out, or if we are trying to determine who our regular patrons are.

```
SELECT t.transaction_id, b.firstname, b.lastname
```

```

FROM transactions AS t
    JOIN borrowers AS b
    WHERE t.borrow_id = b.borrow_id
ORDER BY b.borrow_id;

```



The screenshot shows a SQL query editor with a dark theme. The query is as follows:

```

1 SELECT t.transaction_id, b.firstname, b.lastname
2 FROM transactions AS t
3     JOIN borrowers AS b
4     WHERE t.borrow_id = b.borrow_id
5 ORDER BY b.borrow_id;
6
7
8
9

```

Below the query editor, there is a toolbar with a zoom level of 100%, a 1:1 view selector, and buttons for 'Result Grid', 'Filter Rows', and 'Export'. The 'Result Grid' button is active, and a search bar is visible next to it.

transaction_id	firstname	lastname
1029	Ed	Gein
1020	Olivia	Benson
1027	Olivia	Benson
1031	Olivia	Benson
1021	Elliot	Stabler
1025	Elliot	Stabler
1030	Elliot	Stabler
1032	Elliot	Stabler
1023	John	Munch
1028	John	Munch

At the bottom of the result grid, it says 'Result 12'.

7. This is the SQL query for my search page. The user is required to select either the book or music collection, but either way the input is searched against the title, genre, first name, or last name of items in the collection. This code can be found in the `rlsearch.php` file. In this example, I searched the music collection for “Bach”
-

```
SELECT c.collection_id, b.booktitle, b.authorlast, b.authorfirst, b.bookgenre,  
m.musictitle, m.composerlast, m.composerfirst, m.musicgenre  
    FROM collection AS c  
    LEFT OUTER JOIN books AS b ON b.book_id = c.book_id  
    LEFT OUTER JOIN music AS m ON m.music_id = c.music_id  
WHERE b.booktitle LIKE '%$search%'  
    OR b.authorlast LIKE '%$search%'  
    OR b.authorfirst LIKE '%$search%'  
    OR b.bookgenre LIKE '%$search%'  
    OR m.musictitle LIKE '%$search%'  
    OR m.composerlast LIKE '%$search%'  
    OR m.composerfirst LIKE '%$search%'  
    OR m.musicgenre LIKE '%$search%'  
GROUP BY c.collection_id;
```


SEARCH THE R&C COLLECTION

YOU MAY SEARCH OUR COLLECTION OF BOOKS AND MUSIC THROUGH THIS FORM.

Collection Type:

☐ Books

☒ Music



SEARCH THE R&C COLLECTION

FIND YOUR RESULTS BELOW!

Mass in B Minor

J.S. Bach

CLASSICAL

St. Matthew Passion

J.S. Bach

CLASSICAL

St. John Passion

J.S. Bach

CLASSICAL

8. This query shows the partial match functionality I've included to assist in search queries. I searched the book collection for "snow".
-

```
SELECT c.collection_id, b.booktitle, b.authorlast, b.authorfirst, b.bookgenre,  
m.musictitle, m.composerlast, m.composerfirst, m.musicgenre  
FROM collection AS c  
LEFT OUTER JOIN books AS b ON b.book_id = c.book_id  
LEFT OUTER JOIN music AS m ON m.music_id = c.music_id  
WHERE b.booktitle LIKE '%$search%'  
OR b.authorlast LIKE '%$search%'  
OR b.authorfirst LIKE '%$search%'  
OR b.bookgenre LIKE '%$search%'  
OR m.musictitle LIKE '%$search%'  
OR m.composerlast LIKE '%$search%'  
OR m.composerfirst LIKE '%$search%'  
OR m.musicgenre LIKE '%$search%'  
GROUP BY c.collection_id;
```

SEARCH THE R&C COLLECTION

YOU MAY SEARCH OUR COLLECTION OF BOOKS AND MUSIC THROUGH THIS FORM.

Collection Type:

☒ Books

☐ Music

SEARCH THE R&C COLLECTION

FIND YOUR RESULTS BELOW!

Snowflake / Different Streets

Eileen Myles

POETRY

9. This query searches our book collection by genre. The search field is not case-sensitive, so end users don't need to have an exact match to the record to get results.
-

```
SELECT c.collection_id, b.booktitle, b.authorlast, b.authorfirst, b.bookgenre,  
m.musictitle, m.composerlast, m.composerfirst, m.musicgenre  
FROM collection AS c  
LEFT OUTER JOIN books AS b ON b.book_id = c.book_id  
LEFT OUTER JOIN music AS m ON m.music_id = c.music_id  
WHERE b.booktitle LIKE '%$search%'  
OR b.authorlast LIKE '%$search%'  
OR b.authorfirst LIKE '%$search%'  
OR b.bookgenre LIKE '%$search%'  
OR m.musictitle LIKE '%$search%'  
OR m.composerlast LIKE '%$search%'  
OR m.composerfirst LIKE '%$search%'  
OR m.musicgenre LIKE '%$search%'  
GROUP BY c.collection_id;
```

SEARCH THE R&C COLLECTION

YOU MAY SEARCH OUR COLLECTION OF BOOKS AND MUSIC THROUGH THIS FORM.

Collection Type:

☒ Books

☐ Music

ACADEMIC

Search

SEARCH THE R&C COLLECTION

FIND YOUR RESULTS BELOW!

The Art of the Short Story

Dana Gioia

ACADEMIC

Forensic Anthropology: Current Methods and Practices

Angi M. Christensen

ACADEMIC

Astronomy: A Physical Perspective

Marc L. Kutner

ACADEMIC

10. This query uses another partial search term to identify books in our collection that may be what the patron is looking for. In this case, the books collection was searched for “wi”
-

```
SELECT c.collection_id, b.booktitle, b.authorlast, b.authorfirst, b.bookgenre,  
m.musictitle, m.composerlast, m.composerfirst, m.musicgenre  
FROM collection AS c  
LEFT OUTER JOIN books AS b ON b.book_id = c.book_id  
LEFT OUTER JOIN music AS m ON m.music_id = c.music_id  
WHERE b.booktitle LIKE '%$search%'  
OR b.authorlast LIKE '%$search%'  
OR b.authorfirst LIKE '%$search%'  
OR b.bookgenre LIKE '%$search%'  
OR m.musictitle LIKE '%$search%'  
OR m.composerlast LIKE '%$search%'  
OR m.composerfirst LIKE '%$search%'  
OR m.musicgenre LIKE '%$search%'  
GROUP BY c.collection_id;
```

SEARCH THE R&C COLLECTION

YOU MAY SEARCH OUR COLLECTION OF BOOKS AND MUSIC THROUGH THIS FORM.

Collection Type:

☒ Books

☐ Music

SEARCH THE R&C COLLECTION

FIND YOUR RESULTS BELOW!

Twelfth Night

William Shakespeare

FICTION

Titus Andronicus

William Shakespeare

FICTION

Wild Embers

Nikita Gill

POETRY

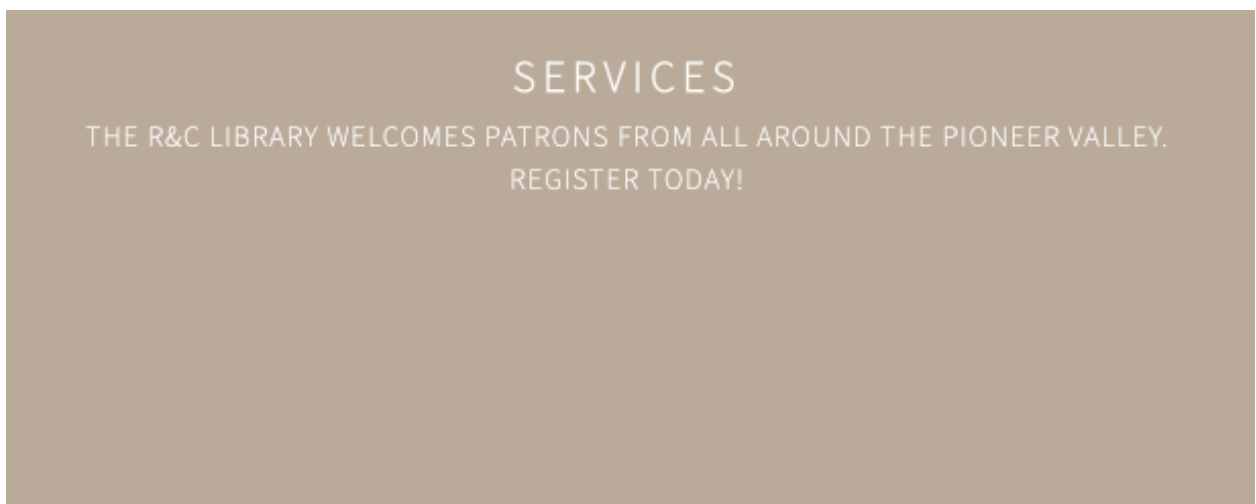
HTML Forms

1. Form to INSERT data

A patron registration form was a fitting way to insert data into my borrowers table. I considered creating a check out form to insert data into the transactions and transaction_item tables, but that proved to be much more difficult than I anticipated.

<http://web.simmons.edu/~rittue/lis467/final2/rclregister.php>

This is the form patron's first encounter.



Registration

First Name: Last Name: Phone Number:

Register

<http://web.simmons.edu/~rittue/lis467/final2/registersuccess.php>

After the patron submits their information, they will be brought to this page.



Thank you for registering! Your information has been added to our patron list

Your Borrower ID is 1005.



2. *Form to DELETE data*

Since I did not want to delete any items from the collection through this website, I decided the best way to implement this would be through an unsubscribe/unregister option for patrons to remove their information from our database.

<http://web.simmons.edu/~rittue/lis467/final2/rcregister.php>

Unsubscribe

We're sorry to see you go, but hope you find a home in another library in your community!

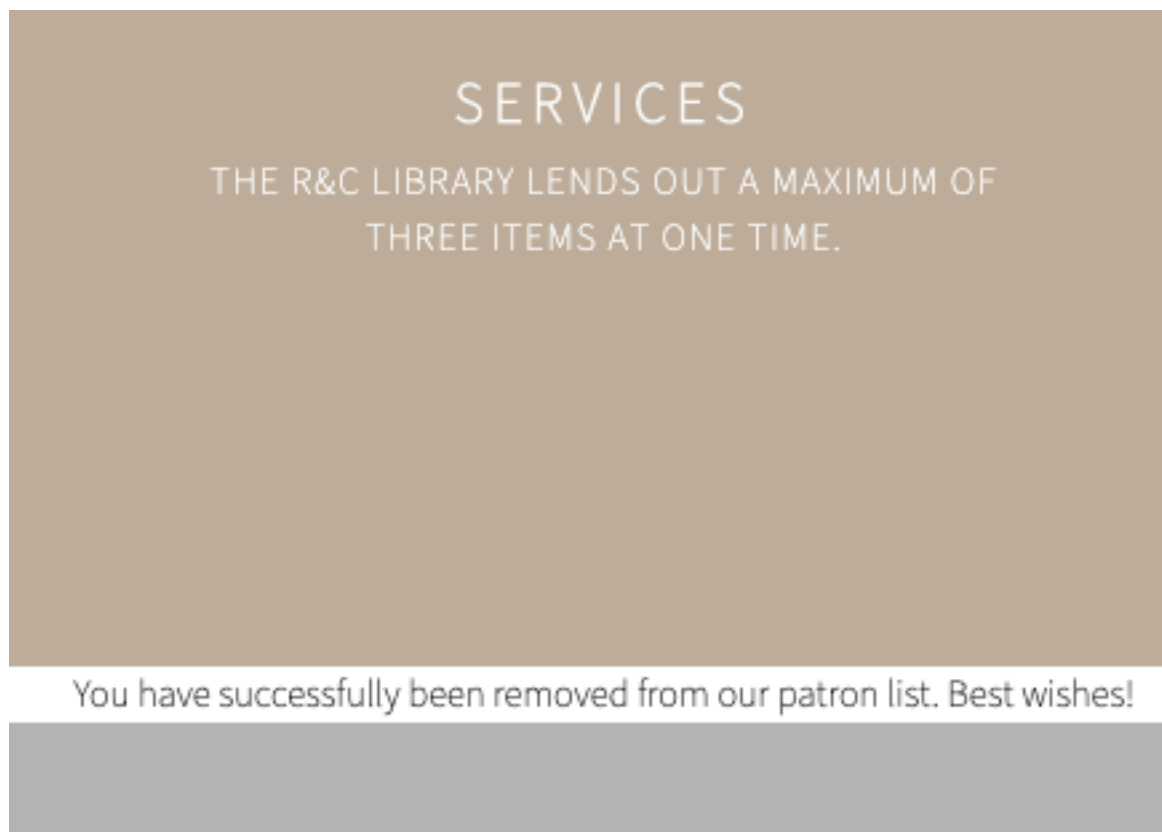
To be sure we are unsubscribing the right patron, we only allow unsubscription through Borrower ID number. Give us a call if you don't know yours!

Borrower ID:

Unsubscribe

<http://web.simmons.edu/~rittue/lis467/final2/rclremove.php>

Upon submission, the patron will see this:



3. *Form to MODIFY data*

This form allows patrons to update their phone number on file with the library. They can do so by inputting their Borrower ID and their new phone number, OR by inputting their current borrower information that results in an exact match to an existing record and their new phone number.

<http://web.simmons.edu/~rittue/lis467/final2/rcregister.php>

Update Your Phone Number

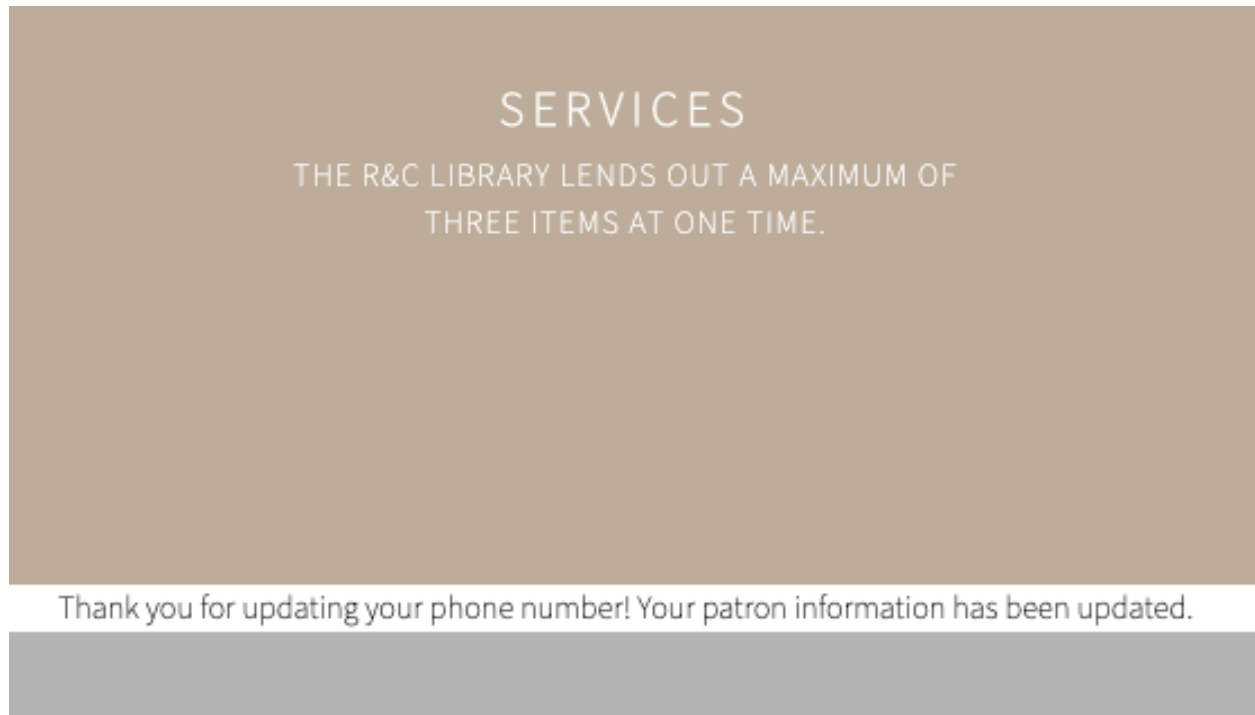
Please provide your Borrower ID number or your registered patron information, along with the new phone number, to update your record.

Borrower ID:
First Name: Last Name: Phone Number:
NEW Phone Number:

Update

<http://web.simmons.edu/~rittue/lis467/final2/rclupdate.php>

When the user enters their information and successfully updates their phone number, they will see this screen:

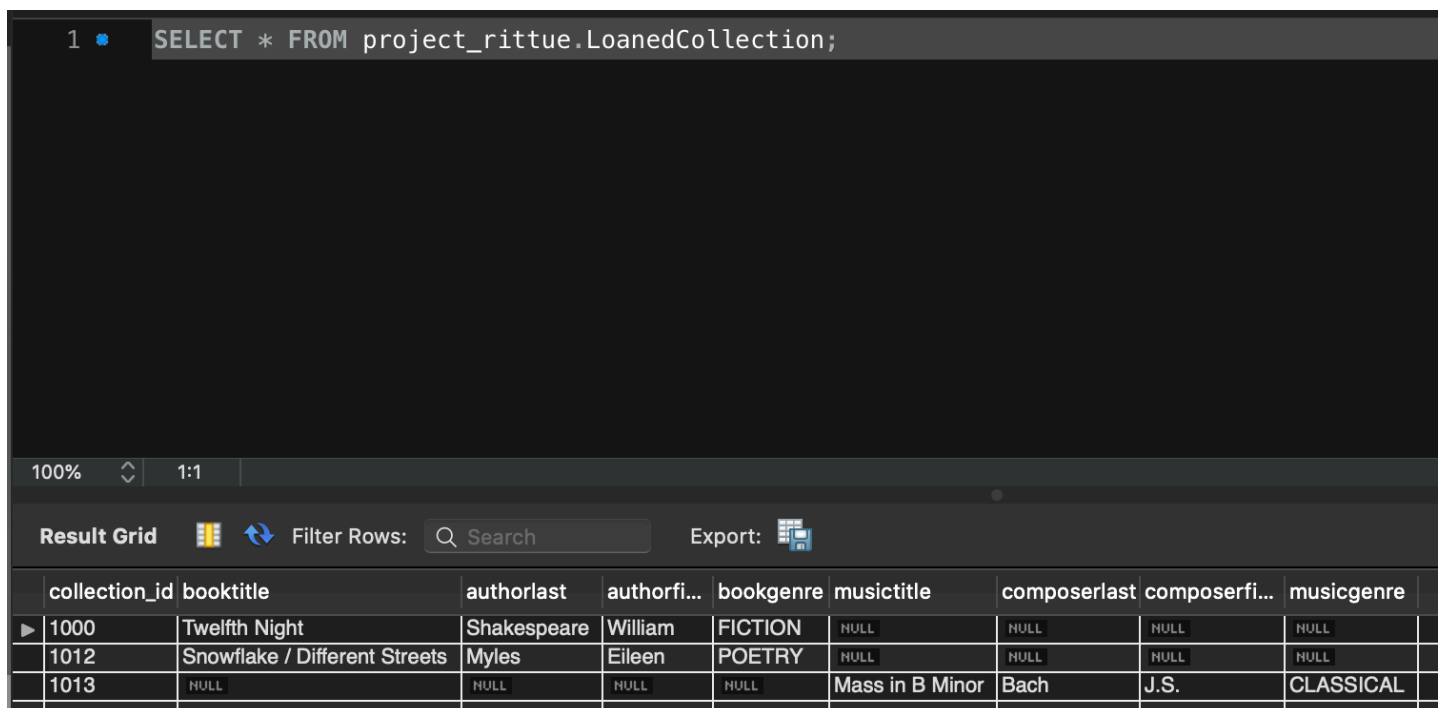


MySQL Views

View 1 – LoanedCollection

This view shows all collection items that are currently unavailable as they are out on loan. This is helpful for collection management, as well as a quick way to check if an item is available or not.

```
CREATE VIEW LoanedCollection AS
SELECT c.collection_id, b.booktitle, b.authorlast,
b.authorfirst, b.bookgenre, m.musictitle,
m.composerlast, m.composerfirst, m.musicgenre
FROM collection AS c
LEFT OUTER JOIN books AS b ON b.book_id = c.book_id
LEFT OUTER JOIN music AS m ON m.music_id = c.music_id
WHERE c.collection_id IN (SELECT i.collection_id AS collection_id
                        FROM transaction_item AS i
                        RIGHT JOIN transactions AS t ON t.transaction_id = i.transaction_id
                        WHERE t.datereturned IS NULL)
GROUP BY c.collection_id;
```



1 • SELECT * FROM project_rittue.LoanedCollection;

100% 1:1

Result Grid Filter Rows: Search Export:

	collection_id	booktitle	authorlast	authorfi...	bookgenre	musictitle	composerlast	composerfi...	musicgenre	
▶	1000	Twelfth Night	Shakespeare	William	FICTION	NULL	NULL	NULL	NULL	
	1012	Snowflake / Different Streets	Myles	Eileen	POETRY	NULL	NULL	NULL	NULL	
	1013	NULL	NULL	NULL	NULL	Mass in B Minor	Bach	J.S.	CLASSICAL	

View 2 – PatronItems

This view shows every item in the collection a patron has checked out. The retrieved data includes their borrower ID, name, and the genre, title, and creator of the item.

```

CREATE VIEW PatronItems AS
SELECT who.borrow_id, who.firstname, who.lastname, what.bookgenre, what.booktitle,
what.authorfirst, what.authorlast, what.musicgenre, what.musictitle, what.composerfirst,
what.composerlast
FROM
(SELECT t.borrow_id, b.firstname, b.lastname, i.transaction_item_id, i.collection_id
      FROM transaction_item AS i
      INNER JOIN transactions AS t ON t.transaction_id = i.transaction_id
      INNER JOIN borrowers AS b ON t.borrow_id = b.borrow_id) AS who
INNER JOIN
(SELECT c.collection_id, b.booktitle, b.authorfirst, b.authorlast, b.bookgenre,
m.musictitle, m.composerfirst, m.composerlast, m.musicgenre
      FROM collection AS c
      LEFT OUTER JOIN books AS b ON b.book_id = c.book_id
      LEFT OUTER JOIN music AS m ON m.music_id = c.music_id
      GROUP BY c.collection_id) AS what
ON who.collection_id = what.collection_id;

```

```
1 • SELECT * FROM project_rittue.PatronItems;
```

100% 1:1

Result Grid



Filter Rows:

Export:



borrow_id	firstname	lastname	bookgenre	booktitle	authorfi...	authorlast	musicgenre	musictitle	composerfirst	composerlast
1	Ted	Bundy	FICTION	Cool For You	Eileen	Myles	NULL	NULL	NULL	NULL
1	Ted	Bundy	FICTION	Erasure	Percival	Everett	NULL	NULL	NULL	NULL
1	Ted	Bundy	ACADEMIC	The Art of the Short Story	Dana	Gioia	NULL	NULL	NULL	NULL
1	Ted	Bundy	NULL	NULL	NULL	NULL	OPERA	Don Giovanni	Wolfgang Amadeus	Mozart
1	Ted	Bundy	POETRY	Snowflake / Different Streets	Eileen	Myles	NULL	NULL	NULL	NULL
1	Ted	Bundy	NULL	NULL	NULL	NULL	CLASSICAL	Mass in B Minor	J.S.	Bach
2	Carol	Baskin	FICTION	Twelfth Night	William	Shakespeare	NULL	NULL	NULL	NULL
2	Carol	Baskin	NULL	NULL	NULL	NULL	OPERA	Turandot	Giacomo	Puccini
2	Carol	Baskin	ACADEMIC	Astronomy: A Physical Perspective	Marc L.	Kutner	NULL	NULL	NULL	NULL
2	Carol	Baskin	ACADEMIC	Forensic Anthropology: Current Methods and Pr...	Angi M.	Christensen	NULL	NULL	NULL	NULL
2	Carol	Baskin	NULL	NULL	NULL	NULL	OPERA	Le Nozze di Fi...	Wolfgang Amadeus	Mozart
3	Ed	Gein	ACADEMIC	Forensic Anthropology: Current Methods and Pr...	Angi M.	Christensen	NULL	NULL	NULL	NULL
3	Ed	Gein	NULL	NULL	NULL	NULL	BIGBAND	Splanky	Count	Basie
4	Olivia	Benson	NULL	NULL	NULL	NULL	OPERA	Le Nozze di Fi...	Wolfgang Amadeus	Mozart
4	Olivia	Benson	POETRY	Wild Embers	Nikita	Gill	NULL	NULL	NULL	NULL

FIELD SPECIFICATIONS

Date Created: 2/8/2020

Date Modified: [Click here to enter a date.](#)

Created By: Sierra Rittue

Modified By: [Click here to enter text.](#)

General Elements

Field Name: collection_id	Specification Type: <input checked="" type="checkbox"/> Unique <input type="checkbox"/> Generic <input type="checkbox"/> Replica
Parent Table: collection	Source Specification: N/A
Label: Collection Item ID	
Shared By: transaction_item	
Alias(es): N/A	
Description: This field contains an items specific collection identifying number.	

Physical Elements

Data Type: integer	Character Support: <input type="checkbox"/> Letters (A-Z) <input type="checkbox"/> Keyboard (.,/\$#%) <input checked="" type="checkbox"/> Numbers (0-9) <input type="checkbox"/> Special (© [®] ™£π)
Length: 4	
Decimal Places: 0	
Input Mask: #####	
Display Format: 0000	

Logical Elements

<table style="width: 100%;"> <tr> <td style="width: 30%;">Key Type:</td> <td style="width: 30%;"> <input type="checkbox"/> Non <input type="checkbox"/> Foreign </td> <td style="width: 30%;"> <input checked="" type="checkbox"/> Primary <input type="checkbox"/> Alternate </td> </tr> <tr> <td>Key Structure:</td> <td> <input checked="" type="checkbox"/> Simple </td> <td> <input type="checkbox"/> Composite </td> </tr> <tr> <td>Uniqueness:</td> <td> <input type="checkbox"/> Non-Unique </td> <td> <input checked="" type="checkbox"/> Unique </td> </tr> <tr> <td>Null Support :</td> <td> <input type="checkbox"/> Nulls Allowed </td> <td> <input checked="" type="checkbox"/> No Nulls </td> </tr> <tr> <td>Values Entered By:</td> <td> <input type="checkbox"/> User </td> <td> <input checked="" type="checkbox"/> System </td> </tr> <tr> <td>Required Value:</td> <td> <input type="checkbox"/> No </td> <td> <input checked="" type="checkbox"/> Yes </td> </tr> <tr> <td colspan="3">Default Value: N/A</td> </tr> </table>	Key Type:	<input type="checkbox"/> Non <input type="checkbox"/> Foreign	<input checked="" type="checkbox"/> Primary <input type="checkbox"/> Alternate	Key Structure:	<input checked="" type="checkbox"/> Simple	<input type="checkbox"/> Composite	Uniqueness:	<input type="checkbox"/> Non-Unique	<input checked="" type="checkbox"/> Unique	Null Support :	<input type="checkbox"/> Nulls Allowed	<input checked="" type="checkbox"/> No Nulls	Values Entered By:	<input type="checkbox"/> User	<input checked="" type="checkbox"/> System	Required Value:	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	Default Value: N/A			Edit Rule: <input type="checkbox"/> Enter Now, Edits Allowed <input checked="" type="checkbox"/> Enter Now, Edits Not Allowed <input type="checkbox"/> Enter Later, Edits Allowed <input type="checkbox"/> Enter Later, Edits Not Allowed <input type="checkbox"/> Not Determined At This Time			
Key Type:	<input type="checkbox"/> Non <input type="checkbox"/> Foreign	<input checked="" type="checkbox"/> Primary <input type="checkbox"/> Alternate																							
Key Structure:	<input checked="" type="checkbox"/> Simple	<input type="checkbox"/> Composite																							
Uniqueness:	<input type="checkbox"/> Non-Unique	<input checked="" type="checkbox"/> Unique																							
Null Support :	<input type="checkbox"/> Nulls Allowed	<input checked="" type="checkbox"/> No Nulls																							
Values Entered By:	<input type="checkbox"/> User	<input checked="" type="checkbox"/> System																							
Required Value:	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes																							
Default Value: N/A																									
Range of Values: 1000 to 9999																									
Comparisons Allowed: <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Same Field</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> <tr> <td><input type="checkbox"/> Other Fields</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> <tr> <td><input type="checkbox"/> Value Expression</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> </table>		<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=	<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=	<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=
<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
Operations Allowed: <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Same Field</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> −</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> <tr> <td><input type="checkbox"/> Other Fields</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> −</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> <tr> <td><input type="checkbox"/> Value Expression</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> −</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> </table>		<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation	<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation	<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation			
<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			
<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			
<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			

FIELD SPECIFICATIONS

Date Created: 2/8/2020

Date Modified: [Click here to enter a date.](#)

Created By: Sierra Rittue

Modified By: [Click here to enter text.](#)

General Elements

Field Name: book_id	Specification Type: <input type="checkbox"/> Unique <input type="checkbox"/> Generic <input checked="" type="checkbox"/> Replica
Parent Table: collection	Source Specification: N/A
Label: Book ID	
Shared By: books	
Alias(es): N/A	
Description: This field will contain a book's specific identification number	

Physical Elements

Data Type: integer	Character Support: <input type="checkbox"/> Letters (A-Z) <input type="checkbox"/> Keyboard (.,/\$#%) <input checked="" type="checkbox"/> Numbers (0-9) <input type="checkbox"/> Special (© [®] ™£π)
Length: 4	
Decimal Places: 0	
Input Mask: #####	
Display Format: 0000	

Logical Elements

<table style="width: 100%;"> <tr> <td style="width: 30%;">Key Type:</td> <td><input type="checkbox"/> Non</td> <td><input type="checkbox"/> Primary</td> </tr> <tr> <td></td> <td><input checked="" type="checkbox"/> Foreign</td> <td><input type="checkbox"/> Alternate</td> </tr> <tr> <td>Key Structure:</td> <td><input checked="" type="checkbox"/> Simple</td> <td><input type="checkbox"/> Composite</td> </tr> <tr> <td>Uniqueness:</td> <td><input checked="" type="checkbox"/> Non-Unique</td> <td><input type="checkbox"/> Unique</td> </tr> <tr> <td>Null Support :</td> <td><input checked="" type="checkbox"/> Nulls Allowed</td> <td><input type="checkbox"/> No Nulls</td> </tr> <tr> <td>Values Entered By:</td> <td><input checked="" type="checkbox"/> User</td> <td><input type="checkbox"/> System</td> </tr> <tr> <td>Required Value:</td> <td><input checked="" type="checkbox"/> No</td> <td><input type="checkbox"/> Yes</td> </tr> <tr> <td colspan="3">Default Value: N/A</td> </tr> </table>	Key Type:	<input type="checkbox"/> Non	<input type="checkbox"/> Primary		<input checked="" type="checkbox"/> Foreign	<input type="checkbox"/> Alternate	Key Structure:	<input checked="" type="checkbox"/> Simple	<input type="checkbox"/> Composite	Uniqueness:	<input checked="" type="checkbox"/> Non-Unique	<input type="checkbox"/> Unique	Null Support :	<input checked="" type="checkbox"/> Nulls Allowed	<input type="checkbox"/> No Nulls	Values Entered By:	<input checked="" type="checkbox"/> User	<input type="checkbox"/> System	Required Value:	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	Default Value: N/A			Edit Rule: <input type="checkbox"/> Enter Now, Edits Allowed <input checked="" type="checkbox"/> Enter Now, Edits Not Allowed <input type="checkbox"/> Enter Later, Edits Allowed <input type="checkbox"/> Enter Later, Edits Not Allowed <input type="checkbox"/> Not Determined At This Time
Key Type:	<input type="checkbox"/> Non	<input type="checkbox"/> Primary																							
	<input checked="" type="checkbox"/> Foreign	<input type="checkbox"/> Alternate																							
Key Structure:	<input checked="" type="checkbox"/> Simple	<input type="checkbox"/> Composite																							
Uniqueness:	<input checked="" type="checkbox"/> Non-Unique	<input type="checkbox"/> Unique																							
Null Support :	<input checked="" type="checkbox"/> Nulls Allowed	<input type="checkbox"/> No Nulls																							
Values Entered By:	<input checked="" type="checkbox"/> User	<input type="checkbox"/> System																							
Required Value:	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes																							
Default Value: N/A																									
Range of Values: 1000 to 9999																									
Comparisons Allowed: <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Same Field</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> <tr> <td><input type="checkbox"/> Other Fields</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> <tr> <td><input type="checkbox"/> Value Expression</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> </table>		<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=	<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=	<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=
<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
Operations Allowed: <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Same Field</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> −</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> <tr> <td><input type="checkbox"/> Other Fields</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> −</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> <tr> <td><input type="checkbox"/> Value Expression</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> −</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> </table>		<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation	<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation	<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation			
<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			
<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			
<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			

FIELD SPECIFICATIONS

Date Created: 2/8/2020

Date Modified: [Click here to enter a date.](#)

Created By: Sierra Rittue

Modified By: [Click here to enter text.](#)

General Elements

Field Name: music_id	Specification Type: <input type="checkbox"/> Unique <input type="checkbox"/> Generic <input checked="" type="checkbox"/> Replica
Parent Table: collection	Source Specification: N/A
Label: Music ID	
Shared By: music	
Alias(es): N/A	
Description: This field will contain a piece of music's specific identification number	

Physical Elements

Data Type: integer	Character Support: <input type="checkbox"/> Letters (A-Z) <input type="checkbox"/> Keyboard (.,/\$#%) <input checked="" type="checkbox"/> Numbers (0-9) <input type="checkbox"/> Special (© [®] ™£π)
Length: 4	
Decimal Places: 0	
Input Mask: #####	
Display Format: 0000	

Logical Elements

<table style="width: 100%;"> <tr> <td style="width: 30%;">Key Type:</td> <td><input type="checkbox"/> Non</td> <td><input type="checkbox"/> Primary</td> </tr> <tr> <td></td> <td><input checked="" type="checkbox"/> Foreign</td> <td><input type="checkbox"/> Alternate</td> </tr> <tr> <td>Key Structure:</td> <td><input checked="" type="checkbox"/> Simple</td> <td><input type="checkbox"/> Composite</td> </tr> <tr> <td>Uniqueness:</td> <td><input checked="" type="checkbox"/> Non-Unique</td> <td><input type="checkbox"/> Unique</td> </tr> <tr> <td>Null Support :</td> <td><input checked="" type="checkbox"/> Nulls Allowed</td> <td><input type="checkbox"/> No Nulls</td> </tr> <tr> <td>Values Entered By:</td> <td><input checked="" type="checkbox"/> User</td> <td><input type="checkbox"/> System</td> </tr> <tr> <td>Required Value:</td> <td><input checked="" type="checkbox"/> No</td> <td><input type="checkbox"/> Yes</td> </tr> <tr> <td colspan="3">Default Value: N/A</td> </tr> </table>	Key Type:	<input type="checkbox"/> Non	<input type="checkbox"/> Primary		<input checked="" type="checkbox"/> Foreign	<input type="checkbox"/> Alternate	Key Structure:	<input checked="" type="checkbox"/> Simple	<input type="checkbox"/> Composite	Uniqueness:	<input checked="" type="checkbox"/> Non-Unique	<input type="checkbox"/> Unique	Null Support :	<input checked="" type="checkbox"/> Nulls Allowed	<input type="checkbox"/> No Nulls	Values Entered By:	<input checked="" type="checkbox"/> User	<input type="checkbox"/> System	Required Value:	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	Default Value: N/A			Edit Rule: <input type="checkbox"/> Enter Now, Edits Allowed <input checked="" type="checkbox"/> Enter Now, Edits Not Allowed <input type="checkbox"/> Enter Later, Edits Allowed <input type="checkbox"/> Enter Later, Edits Not Allowed <input type="checkbox"/> Not Determined At This Time
Key Type:	<input type="checkbox"/> Non	<input type="checkbox"/> Primary																							
	<input checked="" type="checkbox"/> Foreign	<input type="checkbox"/> Alternate																							
Key Structure:	<input checked="" type="checkbox"/> Simple	<input type="checkbox"/> Composite																							
Uniqueness:	<input checked="" type="checkbox"/> Non-Unique	<input type="checkbox"/> Unique																							
Null Support :	<input checked="" type="checkbox"/> Nulls Allowed	<input type="checkbox"/> No Nulls																							
Values Entered By:	<input checked="" type="checkbox"/> User	<input type="checkbox"/> System																							
Required Value:	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes																							
Default Value: N/A																									
Range of Values: 1000 to 9999																									
Comparisons Allowed: <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Same Field</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> <tr> <td><input type="checkbox"/> Other Fields</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> <tr> <td><input type="checkbox"/> Value Expression</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> </table>		<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=	<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=	<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=
<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
Operations Allowed: <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Same Field</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> −</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> <tr> <td><input type="checkbox"/> Other Fields</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> −</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> <tr> <td><input type="checkbox"/> Value Expression</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> −</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> </table>		<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation	<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation	<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation			
<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			
<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			
<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			

FIELD SPECIFICATIONS

Date Created: 2/8/2020

Date Modified: [Click here to enter a date.](#)

Created By: Sierra Rittue

Modified By: [Click here to enter text.](#)

General Elements

Field Name: book_id	Specification Type: <input checked="" type="checkbox"/> Unique <input type="checkbox"/> Generic <input type="checkbox"/> Replica
Parent Table: books	Source Specification: N/A
Label: Book ID	
Shared By: collection	
Alias(es): N/A	
Description: This field will contain a book's specific identification number	

Physical Elements

Data Type: integer	Character Support: <input type="checkbox"/> Letters (A-Z) <input type="checkbox"/> Keyboard (.,/\$#%) <input checked="" type="checkbox"/> Numbers (0-9) <input type="checkbox"/> Special (© [®] ™£π)
Length: 4	
Decimal Places: 0	
Input Mask: #####	
Display Format: 0000	

Logical Elements

<table style="width: 100%;"> <tr> <td style="width: 30%;">Key Type:</td> <td><input type="checkbox"/> Non</td> <td><input checked="" type="checkbox"/> Primary</td> </tr> <tr> <td></td> <td><input type="checkbox"/> Foreign</td> <td><input type="checkbox"/> Alternate</td> </tr> <tr> <td>Key Structure:</td> <td><input checked="" type="checkbox"/> Simple</td> <td><input type="checkbox"/> Composite</td> </tr> <tr> <td>Uniqueness:</td> <td><input type="checkbox"/> Non-Unique</td> <td><input checked="" type="checkbox"/> Unique</td> </tr> <tr> <td>Null Support :</td> <td><input type="checkbox"/> Nulls Allowed</td> <td><input checked="" type="checkbox"/> No Nulls</td> </tr> <tr> <td>Values Entered By:</td> <td><input type="checkbox"/> User</td> <td><input checked="" type="checkbox"/> System</td> </tr> <tr> <td>Required Value:</td> <td><input type="checkbox"/> No</td> <td><input checked="" type="checkbox"/> Yes</td> </tr> <tr> <td colspan="3">Default Value: N/A</td> </tr> </table>	Key Type:	<input type="checkbox"/> Non	<input checked="" type="checkbox"/> Primary		<input type="checkbox"/> Foreign	<input type="checkbox"/> Alternate	Key Structure:	<input checked="" type="checkbox"/> Simple	<input type="checkbox"/> Composite	Uniqueness:	<input type="checkbox"/> Non-Unique	<input checked="" type="checkbox"/> Unique	Null Support :	<input type="checkbox"/> Nulls Allowed	<input checked="" type="checkbox"/> No Nulls	Values Entered By:	<input type="checkbox"/> User	<input checked="" type="checkbox"/> System	Required Value:	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	Default Value: N/A			Edit Rule: <input type="checkbox"/> Enter Now, Edits Allowed <input checked="" type="checkbox"/> Enter Now, Edits Not Allowed <input type="checkbox"/> Enter Later, Edits Allowed <input type="checkbox"/> Enter Later, Edits Not Allowed <input type="checkbox"/> Not Determined At This Time
Key Type:	<input type="checkbox"/> Non	<input checked="" type="checkbox"/> Primary																							
	<input type="checkbox"/> Foreign	<input type="checkbox"/> Alternate																							
Key Structure:	<input checked="" type="checkbox"/> Simple	<input type="checkbox"/> Composite																							
Uniqueness:	<input type="checkbox"/> Non-Unique	<input checked="" type="checkbox"/> Unique																							
Null Support :	<input type="checkbox"/> Nulls Allowed	<input checked="" type="checkbox"/> No Nulls																							
Values Entered By:	<input type="checkbox"/> User	<input checked="" type="checkbox"/> System																							
Required Value:	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes																							
Default Value: N/A																									
Range of Values: 1000 to 9999																									
Comparisons Allowed: <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Same Field</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> <tr> <td><input type="checkbox"/> Other Fields</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> <tr> <td><input type="checkbox"/> Value Expression</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> </table>		<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=	<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=	<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=
<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
Operations Allowed: <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Same Field</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> —</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> <tr> <td><input type="checkbox"/> Other Fields</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> —</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> <tr> <td><input type="checkbox"/> Value Expression</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> —</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> </table>		<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> —	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation	<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> —	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation	<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> —	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation			
<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> —	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			
<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> —	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			
<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> —	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			

FIELD SPECIFICATIONS

Date Created: 2/8/2020

Date Modified: [Click here to enter a date.](#)

Created By: Sierra Rittue

Modified By: [Click here to enter text.](#)

General Elements

Field Name: authorlast	Specification Type: <input checked="" type="checkbox"/> Unique <input type="checkbox"/> Generic <input type="checkbox"/> Replica
Parent Table: books	Source Specification: Click here to enter text.
Label: Author Last Name	
Shared By: N/A	
Alias(es): N/A	
Description: The last name of the author of the book.	

Physical Elements

Data Type: varchar	Character Support: <input checked="" type="checkbox"/> Letters (A-Z) <input checked="" type="checkbox"/> Keyboard (.,/\$#%) <input type="checkbox"/> Numbers (0-9) <input checked="" type="checkbox"/> Special (© [®] ™£π)
Length: 50	
Decimal Places: 0	
Input Mask: XXXXX	
Display Format: As entered.	

Logical Elements

<table style="width: 100%;"> <tr> <td style="width: 30%;">Key Type:</td> <td><input checked="" type="checkbox"/> Non</td> <td><input type="checkbox"/> Primary</td> </tr> <tr> <td></td> <td><input type="checkbox"/> Foreign</td> <td><input type="checkbox"/> Alternate</td> </tr> <tr> <td>Key Structure:</td> <td><input type="checkbox"/> Simple</td> <td><input type="checkbox"/> Composite</td> </tr> <tr> <td>Uniqueness:</td> <td><input checked="" type="checkbox"/> Non-Unique</td> <td><input type="checkbox"/> Unique</td> </tr> <tr> <td>Null Support :</td> <td><input checked="" type="checkbox"/> Nulls Allowed</td> <td><input type="checkbox"/> No Nulls</td> </tr> <tr> <td>Values Entered By:</td> <td><input checked="" type="checkbox"/> User</td> <td><input type="checkbox"/> System</td> </tr> <tr> <td>Required Value:</td> <td><input checked="" type="checkbox"/> No</td> <td><input type="checkbox"/> Yes</td> </tr> <tr> <td colspan="3">Default Value: N/A</td> </tr> </table>	Key Type:	<input checked="" type="checkbox"/> Non	<input type="checkbox"/> Primary		<input type="checkbox"/> Foreign	<input type="checkbox"/> Alternate	Key Structure:	<input type="checkbox"/> Simple	<input type="checkbox"/> Composite	Uniqueness:	<input checked="" type="checkbox"/> Non-Unique	<input type="checkbox"/> Unique	Null Support :	<input checked="" type="checkbox"/> Nulls Allowed	<input type="checkbox"/> No Nulls	Values Entered By:	<input checked="" type="checkbox"/> User	<input type="checkbox"/> System	Required Value:	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	Default Value: N/A			Edit Rule: <input checked="" type="checkbox"/> Enter Now, Edits Allowed <input type="checkbox"/> Enter Now, Edits Not Allowed <input type="checkbox"/> Enter Later, Edits Allowed <input type="checkbox"/> Enter Later, Edits Not Allowed <input type="checkbox"/> Not Determined At This Time
Key Type:	<input checked="" type="checkbox"/> Non	<input type="checkbox"/> Primary																							
	<input type="checkbox"/> Foreign	<input type="checkbox"/> Alternate																							
Key Structure:	<input type="checkbox"/> Simple	<input type="checkbox"/> Composite																							
Uniqueness:	<input checked="" type="checkbox"/> Non-Unique	<input type="checkbox"/> Unique																							
Null Support :	<input checked="" type="checkbox"/> Nulls Allowed	<input type="checkbox"/> No Nulls																							
Values Entered By:	<input checked="" type="checkbox"/> User	<input type="checkbox"/> System																							
Required Value:	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes																							
Default Value: N/A																									
Range of Values: N/A																									
Comparisons Allowed: <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Same Field</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> <tr> <td><input type="checkbox"/> Other Fields</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> <tr> <td><input type="checkbox"/> Value Expression</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> </table>		<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=	<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=	<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=
<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
Operations Allowed: <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Same Field</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> —</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> <tr> <td><input type="checkbox"/> Other Fields</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> —</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> <tr> <td><input type="checkbox"/> Value Expression</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> —</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> </table>		<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> —	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation	<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> —	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation	<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> —	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation			
<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> —	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			
<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> —	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			
<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> —	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			

FIELD SPECIFICATIONS

Date Created: 2/8/2020

Date Modified: [Click here to enter a date.](#)

Created By: Sierra Rittue

Modified By: [Click here to enter text.](#)

General Elements

Field Name: authorfirst	Specification Type: <input checked="" type="checkbox"/> Unique <input type="checkbox"/> Generic <input type="checkbox"/> Replica
Parent Table: books	Source Specification: Click here to enter text.
Label: Author First Name	
Shared By: N/A	
Alias(es): N/A	
Description: The first name of the author of the book.	

Physical Elements

Data Type: varchar	Character Support: <input checked="" type="checkbox"/> Letters (A-Z) <input checked="" type="checkbox"/> Keyboard (.,/\$#%) <input type="checkbox"/> Numbers (0-9) <input checked="" type="checkbox"/> Special (© [®] ™£π)
Length: 30	
Decimal Places: 0	
Input Mask: XXXX	
Display Format: As entered.	

Logical Elements

<table style="width: 100%;"> <tr> <td style="width: 30%;">Key Type:</td> <td><input checked="" type="checkbox"/> Non</td> <td><input type="checkbox"/> Primary</td> </tr> <tr> <td></td> <td><input type="checkbox"/> Foreign</td> <td><input type="checkbox"/> Alternate</td> </tr> <tr> <td>Key Structure:</td> <td><input type="checkbox"/> Simple</td> <td><input type="checkbox"/> Composite</td> </tr> <tr> <td>Uniqueness:</td> <td><input checked="" type="checkbox"/> Non-Unique</td> <td><input type="checkbox"/> Unique</td> </tr> <tr> <td>Null Support :</td> <td><input type="checkbox"/> Nulls Allowed</td> <td><input checked="" type="checkbox"/> No Nulls</td> </tr> <tr> <td>Values Entered By:</td> <td><input checked="" type="checkbox"/> User</td> <td><input type="checkbox"/> System</td> </tr> <tr> <td>Required Value:</td> <td><input type="checkbox"/> No</td> <td><input checked="" type="checkbox"/> Yes</td> </tr> <tr> <td colspan="3">Default Value: N/A</td> </tr> <tr> <td colspan="3">Range of Values: N/A</td> </tr> </table>	Key Type:	<input checked="" type="checkbox"/> Non	<input type="checkbox"/> Primary		<input type="checkbox"/> Foreign	<input type="checkbox"/> Alternate	Key Structure:	<input type="checkbox"/> Simple	<input type="checkbox"/> Composite	Uniqueness:	<input checked="" type="checkbox"/> Non-Unique	<input type="checkbox"/> Unique	Null Support :	<input type="checkbox"/> Nulls Allowed	<input checked="" type="checkbox"/> No Nulls	Values Entered By:	<input checked="" type="checkbox"/> User	<input type="checkbox"/> System	Required Value:	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	Default Value: N/A			Range of Values: N/A			Edit Rule: <input checked="" type="checkbox"/> Enter Now, Edits Allowed <input type="checkbox"/> Enter Now, Edits Not Allowed <input type="checkbox"/> Enter Later, Edits Allowed <input type="checkbox"/> Enter Later, Edits Not Allowed <input type="checkbox"/> Not Determined At This Time
Key Type:	<input checked="" type="checkbox"/> Non	<input type="checkbox"/> Primary																										
	<input type="checkbox"/> Foreign	<input type="checkbox"/> Alternate																										
Key Structure:	<input type="checkbox"/> Simple	<input type="checkbox"/> Composite																										
Uniqueness:	<input checked="" type="checkbox"/> Non-Unique	<input type="checkbox"/> Unique																										
Null Support :	<input type="checkbox"/> Nulls Allowed	<input checked="" type="checkbox"/> No Nulls																										
Values Entered By:	<input checked="" type="checkbox"/> User	<input type="checkbox"/> System																										
Required Value:	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes																										
Default Value: N/A																												
Range of Values: N/A																												
Comparisons Allowed: <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Same Field</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> <tr> <td><input type="checkbox"/> Other Fields</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> <tr> <td><input type="checkbox"/> Value Expression</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> </table>		<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=	<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=	<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=			
<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																					
<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																					
<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																					
Operations Allowed: <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Same Field</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> −</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> <tr> <td><input type="checkbox"/> Other Fields</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> −</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> <tr> <td><input type="checkbox"/> Value Expression</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> −</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> </table>		<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation	<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation	<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation						
<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																						
<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																						
<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																						

FIELD SPECIFICATIONS

Date Created: 2/8/2020

Date Modified: [Click here to enter a date.](#)

Created By: Sierra Rittue

Modified By: [Click here to enter text.](#)

General Elements

Field Name: booktitle	Specification Type: <input checked="" type="checkbox"/> Unique <input type="checkbox"/> Generic <input type="checkbox"/> Replica
Parent Table: books	Source Specification: Click here to enter text.
Label: Book Title	
Shared By: N/A	
Alias(es): N/A	
Description: The title of a book in our collection.	

Physical Elements

Data Type: varchar	Character Support: <input checked="" type="checkbox"/> Letters (A-Z) <input checked="" type="checkbox"/> Keyboard (.,/\$#%) <input checked="" type="checkbox"/> Numbers (0-9) <input checked="" type="checkbox"/> Special (© [®] ™£π)
Length: 255	
Decimal Places: 0	
Input Mask: XXX	
Display Format: As entered.	

Logical Elements

<table style="width: 100%;"> <tr> <td style="width: 30%;">Key Type:</td> <td><input checked="" type="checkbox"/> Non</td> <td><input type="checkbox"/> Primary</td> </tr> <tr> <td></td> <td><input type="checkbox"/> Foreign</td> <td><input type="checkbox"/> Alternate</td> </tr> <tr> <td>Key Structure:</td> <td><input type="checkbox"/> Simple</td> <td><input type="checkbox"/> Composite</td> </tr> <tr> <td>Uniqueness:</td> <td><input checked="" type="checkbox"/> Non-Unique</td> <td><input type="checkbox"/> Unique</td> </tr> <tr> <td>Null Support :</td> <td><input type="checkbox"/> Nulls Allowed</td> <td><input checked="" type="checkbox"/> No Nulls</td> </tr> <tr> <td>Values Entered By:</td> <td><input checked="" type="checkbox"/> User</td> <td><input type="checkbox"/> System</td> </tr> <tr> <td>Required Value:</td> <td><input type="checkbox"/> No</td> <td><input checked="" type="checkbox"/> Yes</td> </tr> <tr> <td colspan="3">Default Value: N/A</td> </tr> </table>	Key Type:	<input checked="" type="checkbox"/> Non	<input type="checkbox"/> Primary		<input type="checkbox"/> Foreign	<input type="checkbox"/> Alternate	Key Structure:	<input type="checkbox"/> Simple	<input type="checkbox"/> Composite	Uniqueness:	<input checked="" type="checkbox"/> Non-Unique	<input type="checkbox"/> Unique	Null Support :	<input type="checkbox"/> Nulls Allowed	<input checked="" type="checkbox"/> No Nulls	Values Entered By:	<input checked="" type="checkbox"/> User	<input type="checkbox"/> System	Required Value:	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	Default Value: N/A			Edit Rule: <input checked="" type="checkbox"/> Enter Now, Edits Allowed <input type="checkbox"/> Enter Now, Edits Not Allowed <input type="checkbox"/> Enter Later, Edits Allowed <input type="checkbox"/> Enter Later, Edits Not Allowed <input type="checkbox"/> Not Determined At This Time
Key Type:	<input checked="" type="checkbox"/> Non	<input type="checkbox"/> Primary																							
	<input type="checkbox"/> Foreign	<input type="checkbox"/> Alternate																							
Key Structure:	<input type="checkbox"/> Simple	<input type="checkbox"/> Composite																							
Uniqueness:	<input checked="" type="checkbox"/> Non-Unique	<input type="checkbox"/> Unique																							
Null Support :	<input type="checkbox"/> Nulls Allowed	<input checked="" type="checkbox"/> No Nulls																							
Values Entered By:	<input checked="" type="checkbox"/> User	<input type="checkbox"/> System																							
Required Value:	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes																							
Default Value: N/A																									
Range of Values: N/A																									
Comparisons Allowed: <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Same Field</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> <tr> <td><input type="checkbox"/> Other Fields</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> <tr> <td><input type="checkbox"/> Value Expression</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> </table>		<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=	<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=	<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=
<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
Operations Allowed: <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Same Field</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> —</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> <tr> <td><input type="checkbox"/> Other Fields</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> —</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> <tr> <td><input type="checkbox"/> Value Expression</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> —</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> </table>		<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> —	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation	<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> —	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation	<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> —	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation			
<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> —	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			
<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> —	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			
<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> —	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			

FIELD SPECIFICATIONS

Date Created: 2/8/2020

Date Modified: [Click here to enter a date.](#)

Created By: Sierra Rittue

Modified By: [Click here to enter text.](#)

General Elements

Field Name: bookpubdate	Specification Type: <input checked="" type="checkbox"/> Unique <input type="checkbox"/> Generic <input type="checkbox"/> Replica
Parent Table: books	Source Specification: Click here to enter text.
Label: Book Publication Date	
Shared By: N/A	
Alias(es): N/A	
Description: The publication date of the book.	

Physical Elements

Data Type: DATE	Character Support: <input type="checkbox"/> Letters (A-Z) <input type="checkbox"/> Keyboard (.,/\$#%) <input checked="" type="checkbox"/> Numbers (0-9) <input type="checkbox"/> Special (© [®] ™£π)
Length: 10	
Decimal Places: 0	
Input Mask: N/A	
Display Format: YYYY-MM-DD	

Logical Elements

<table style="width: 100%;"> <tr> <td style="width: 30%;">Key Type:</td> <td><input checked="" type="checkbox"/> Non</td> <td><input type="checkbox"/> Primary</td> </tr> <tr> <td></td> <td><input type="checkbox"/> Foreign</td> <td><input type="checkbox"/> Alternate</td> </tr> <tr> <td>Key Structure:</td> <td><input type="checkbox"/> Simple</td> <td><input type="checkbox"/> Composite</td> </tr> <tr> <td>Uniqueness:</td> <td><input checked="" type="checkbox"/> Non-Unique</td> <td><input type="checkbox"/> Unique</td> </tr> <tr> <td>Null Support :</td> <td><input type="checkbox"/> Nulls Allowed</td> <td><input checked="" type="checkbox"/> No Nulls</td> </tr> <tr> <td>Values Entered By:</td> <td><input checked="" type="checkbox"/> User</td> <td><input type="checkbox"/> System</td> </tr> <tr> <td>Required Value:</td> <td><input type="checkbox"/> No</td> <td><input checked="" type="checkbox"/> Yes</td> </tr> <tr> <td colspan="3">Default Value: N/A</td> </tr> <tr> <td colspan="3">Range of Values: N/A</td> </tr> </table>	Key Type:	<input checked="" type="checkbox"/> Non	<input type="checkbox"/> Primary		<input type="checkbox"/> Foreign	<input type="checkbox"/> Alternate	Key Structure:	<input type="checkbox"/> Simple	<input type="checkbox"/> Composite	Uniqueness:	<input checked="" type="checkbox"/> Non-Unique	<input type="checkbox"/> Unique	Null Support :	<input type="checkbox"/> Nulls Allowed	<input checked="" type="checkbox"/> No Nulls	Values Entered By:	<input checked="" type="checkbox"/> User	<input type="checkbox"/> System	Required Value:	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	Default Value: N/A			Range of Values: N/A			Edit Rule: <input checked="" type="checkbox"/> Enter Now, Edits Allowed <input type="checkbox"/> Enter Now, Edits Not Allowed <input type="checkbox"/> Enter Later, Edits Allowed <input type="checkbox"/> Enter Later, Edits Not Allowed <input type="checkbox"/> Not Determined At This Time
Key Type:	<input checked="" type="checkbox"/> Non	<input type="checkbox"/> Primary																										
	<input type="checkbox"/> Foreign	<input type="checkbox"/> Alternate																										
Key Structure:	<input type="checkbox"/> Simple	<input type="checkbox"/> Composite																										
Uniqueness:	<input checked="" type="checkbox"/> Non-Unique	<input type="checkbox"/> Unique																										
Null Support :	<input type="checkbox"/> Nulls Allowed	<input checked="" type="checkbox"/> No Nulls																										
Values Entered By:	<input checked="" type="checkbox"/> User	<input type="checkbox"/> System																										
Required Value:	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes																										
Default Value: N/A																												
Range of Values: N/A																												
Comparisons Allowed: <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Same Field</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> <tr> <td><input type="checkbox"/> Other Fields</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> <tr> <td><input type="checkbox"/> Value Expression</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> </table>		<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=	<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=	<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=			
<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																					
<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																					
<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																					
Operations Allowed: <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Same Field</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> —</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> <tr> <td><input type="checkbox"/> Other Fields</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> —</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> <tr> <td><input type="checkbox"/> Value Expression</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> —</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> </table>		<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> —	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation	<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> —	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation	<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> —	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation						
<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> —	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																						
<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> —	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																						
<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> —	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																						

FIELD SPECIFICATIONS

Date Created: 2/8/2020

Date Modified: [Click here to enter a date.](#)

Created By: Sierra Rittue

Modified By: [Click here to enter text.](#)

General Elements

Field Name: bookgenre	Specification Type: <input checked="" type="checkbox"/> Unique <input type="checkbox"/> Generic <input type="checkbox"/> Replica
Parent Table: books	Source Specification: Click here to enter text.
Label: Book Genre	
Shared By: N/A	
Alias(es): N/A	
Description: The genre of the book.	

Physical Elements

Data Type: ENUM (FICTION, NONFICTION, POETRY, ACADEMIC)	Character Support: <input checked="" type="checkbox"/> Letters (A-Z) <input type="checkbox"/> Keyboard (.,/\$#%) <input type="checkbox"/> Numbers (0-9) <input type="checkbox"/> Special (© [®] ™£π)
Length: N/A	
Decimal Places: 0	
Input Mask: N/A	
Display Format: As entered.	

Logical Elements

<table style="width: 100%;"> <tr> <td style="width: 30%;">Key Type:</td> <td><input checked="" type="checkbox"/> Non</td> <td><input type="checkbox"/> Primary</td> </tr> <tr> <td></td> <td><input type="checkbox"/> Foreign</td> <td><input type="checkbox"/> Alternate</td> </tr> <tr> <td>Key Structure:</td> <td><input type="checkbox"/> Simple</td> <td><input type="checkbox"/> Composite</td> </tr> <tr> <td>Uniqueness:</td> <td><input checked="" type="checkbox"/> Non-Unique</td> <td><input type="checkbox"/> Unique</td> </tr> <tr> <td>Null Support :</td> <td><input type="checkbox"/> Nulls Allowed</td> <td><input checked="" type="checkbox"/> No Nulls</td> </tr> <tr> <td>Values Entered By:</td> <td><input checked="" type="checkbox"/> User</td> <td><input type="checkbox"/> System</td> </tr> <tr> <td>Required Value:</td> <td><input type="checkbox"/> No</td> <td><input checked="" type="checkbox"/> Yes</td> </tr> <tr> <td colspan="3">Default Value: N/A</td> </tr> </table>	Key Type:	<input checked="" type="checkbox"/> Non	<input type="checkbox"/> Primary		<input type="checkbox"/> Foreign	<input type="checkbox"/> Alternate	Key Structure:	<input type="checkbox"/> Simple	<input type="checkbox"/> Composite	Uniqueness:	<input checked="" type="checkbox"/> Non-Unique	<input type="checkbox"/> Unique	Null Support :	<input type="checkbox"/> Nulls Allowed	<input checked="" type="checkbox"/> No Nulls	Values Entered By:	<input checked="" type="checkbox"/> User	<input type="checkbox"/> System	Required Value:	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	Default Value: N/A			Edit Rule: <input checked="" type="checkbox"/> Enter Now, Edits Allowed <input type="checkbox"/> Enter Now, Edits Not Allowed <input type="checkbox"/> Enter Later, Edits Allowed <input type="checkbox"/> Enter Later, Edits Not Allowed <input type="checkbox"/> Not Determined At This Time
Key Type:	<input checked="" type="checkbox"/> Non	<input type="checkbox"/> Primary																							
	<input type="checkbox"/> Foreign	<input type="checkbox"/> Alternate																							
Key Structure:	<input type="checkbox"/> Simple	<input type="checkbox"/> Composite																							
Uniqueness:	<input checked="" type="checkbox"/> Non-Unique	<input type="checkbox"/> Unique																							
Null Support :	<input type="checkbox"/> Nulls Allowed	<input checked="" type="checkbox"/> No Nulls																							
Values Entered By:	<input checked="" type="checkbox"/> User	<input type="checkbox"/> System																							
Required Value:	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes																							
Default Value: N/A																									
Range of Values: N/A																									
Comparisons Allowed: <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Same Field</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> <tr> <td><input type="checkbox"/> Other Fields</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> <tr> <td><input type="checkbox"/> Value Expression</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> </table>		<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=	<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=	<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=
<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
Operations Allowed: <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Same Field</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> −</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> <tr> <td><input type="checkbox"/> Other Fields</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> −</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> <tr> <td><input type="checkbox"/> Value Expression</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> −</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> </table>		<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation	<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation	<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation			
<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			
<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			
<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			

FIELD SPECIFICATIONS

Date Created: 2/8/2020

Date Modified: [Click here to enter a date.](#)

Created By: Sierra Rittue

Modified By: [Click here to enter text.](#)

General Elements

Field Name: music_id	Specification Type: <input checked="" type="checkbox"/> Unique <input type="checkbox"/> Generic <input type="checkbox"/> Replica
Parent Table: music	Source Specification: Click here to enter text.
Label: Music ID	
Shared By: N/A	
Alias(es): N/A	
Description: This field will contain a piece of music's specific identification number.	

Physical Elements

Data Type: integer	Character Support: <input type="checkbox"/> Letters (A-Z) <input type="checkbox"/> Keyboard (.,/\$#%) <input checked="" type="checkbox"/> Numbers (0-9) <input type="checkbox"/> Special (© [®] ™£π)
Length: 4	
Decimal Places: 0	
Input Mask: #####	
Display Format: 0000	

Logical Elements

<table style="width: 100%;"> <tr> <td style="width: 30%;">Key Type:</td> <td><input type="checkbox"/> Non</td> <td><input checked="" type="checkbox"/> Primary</td> </tr> <tr> <td></td> <td><input type="checkbox"/> Foreign</td> <td><input type="checkbox"/> Alternate</td> </tr> <tr> <td>Key Structure:</td> <td><input checked="" type="checkbox"/> Simple</td> <td><input type="checkbox"/> Composite</td> </tr> <tr> <td>Uniqueness:</td> <td><input type="checkbox"/> Non-Unique</td> <td><input checked="" type="checkbox"/> Unique</td> </tr> <tr> <td>Null Support :</td> <td><input type="checkbox"/> Nulls Allowed</td> <td><input checked="" type="checkbox"/> No Nulls</td> </tr> <tr> <td>Values Entered By:</td> <td><input type="checkbox"/> User</td> <td><input checked="" type="checkbox"/> System</td> </tr> <tr> <td>Required Value:</td> <td><input type="checkbox"/> No</td> <td><input checked="" type="checkbox"/> Yes</td> </tr> <tr> <td colspan="3">Default Value: N/A</td> </tr> </table>	Key Type:	<input type="checkbox"/> Non	<input checked="" type="checkbox"/> Primary		<input type="checkbox"/> Foreign	<input type="checkbox"/> Alternate	Key Structure:	<input checked="" type="checkbox"/> Simple	<input type="checkbox"/> Composite	Uniqueness:	<input type="checkbox"/> Non-Unique	<input checked="" type="checkbox"/> Unique	Null Support :	<input type="checkbox"/> Nulls Allowed	<input checked="" type="checkbox"/> No Nulls	Values Entered By:	<input type="checkbox"/> User	<input checked="" type="checkbox"/> System	Required Value:	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	Default Value: N/A			Edit Rule: <input type="checkbox"/> Enter Now, Edits Allowed <input checked="" type="checkbox"/> Enter Now, Edits Not Allowed <input type="checkbox"/> Enter Later, Edits Allowed <input type="checkbox"/> Enter Later, Edits Not Allowed <input type="checkbox"/> Not Determined At This Time
Key Type:	<input type="checkbox"/> Non	<input checked="" type="checkbox"/> Primary																							
	<input type="checkbox"/> Foreign	<input type="checkbox"/> Alternate																							
Key Structure:	<input checked="" type="checkbox"/> Simple	<input type="checkbox"/> Composite																							
Uniqueness:	<input type="checkbox"/> Non-Unique	<input checked="" type="checkbox"/> Unique																							
Null Support :	<input type="checkbox"/> Nulls Allowed	<input checked="" type="checkbox"/> No Nulls																							
Values Entered By:	<input type="checkbox"/> User	<input checked="" type="checkbox"/> System																							
Required Value:	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes																							
Default Value: N/A																									
Range of Values: 1000 to 9999																									
Comparisons Allowed: <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Same Field</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> <tr> <td><input type="checkbox"/> Other Fields</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> <tr> <td><input type="checkbox"/> Value Expression</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> </table>		<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=	<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=	<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=
<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
Operations Allowed: <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Same Field</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> —</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> <tr> <td><input type="checkbox"/> Other Fields</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> —</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> <tr> <td><input type="checkbox"/> Value Expression</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> —</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> </table>		<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> —	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation	<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> —	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation	<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> —	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation			
<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> —	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			
<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> —	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			
<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> —	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			

FIELD SPECIFICATIONS

Date Created: 2/8/2020

Date Modified: [Click here to enter a date.](#)

Created By: Sierra Rittue

Modified By: [Click here to enter text.](#)

General Elements

Field Name: composerlast	Specification Type: <input checked="" type="checkbox"/> Unique <input type="checkbox"/> Generic <input type="checkbox"/> Replica
Parent Table: music	Source Specification: Click here to enter text.
Label: Composer Last Name	
Shared By: N/A	
Alias(es): N/A	
Description: The last name of the composer of the music.	

Physical Elements

Data Type: varchar	Character Support: <input checked="" type="checkbox"/> Letters (A-Z) <input checked="" type="checkbox"/> Keyboard (.,/\$#%) <input type="checkbox"/> Numbers (0-9) <input checked="" type="checkbox"/> Special (© [®] ™£π)
Length: 50	
Decimal Places: 0	
Input Mask: XXXXX	
Display Format: As entered.	

Logical Elements

<table style="width: 100%;"> <tr> <td style="width: 30%;">Key Type:</td> <td><input checked="" type="checkbox"/> Non</td> <td><input type="checkbox"/> Primary</td> </tr> <tr> <td></td> <td><input type="checkbox"/> Foreign</td> <td><input type="checkbox"/> Alternate</td> </tr> <tr> <td>Key Structure:</td> <td><input type="checkbox"/> Simple</td> <td><input type="checkbox"/> Composite</td> </tr> <tr> <td>Uniqueness:</td> <td><input checked="" type="checkbox"/> Non-Unique</td> <td><input type="checkbox"/> Unique</td> </tr> <tr> <td>Null Support :</td> <td><input checked="" type="checkbox"/> Nulls Allowed</td> <td><input type="checkbox"/> No Nulls</td> </tr> <tr> <td>Values Entered By:</td> <td><input checked="" type="checkbox"/> User</td> <td><input type="checkbox"/> System</td> </tr> <tr> <td>Required Value:</td> <td><input checked="" type="checkbox"/> No</td> <td><input type="checkbox"/> Yes</td> </tr> <tr> <td colspan="3">Default Value: N/A</td> </tr> </table>	Key Type:	<input checked="" type="checkbox"/> Non	<input type="checkbox"/> Primary		<input type="checkbox"/> Foreign	<input type="checkbox"/> Alternate	Key Structure:	<input type="checkbox"/> Simple	<input type="checkbox"/> Composite	Uniqueness:	<input checked="" type="checkbox"/> Non-Unique	<input type="checkbox"/> Unique	Null Support :	<input checked="" type="checkbox"/> Nulls Allowed	<input type="checkbox"/> No Nulls	Values Entered By:	<input checked="" type="checkbox"/> User	<input type="checkbox"/> System	Required Value:	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	Default Value: N/A			Edit Rule: <input checked="" type="checkbox"/> Enter Now, Edits Allowed <input type="checkbox"/> Enter Now, Edits Not Allowed <input type="checkbox"/> Enter Later, Edits Allowed <input type="checkbox"/> Enter Later, Edits Not Allowed <input type="checkbox"/> Not Determined At This Time
Key Type:	<input checked="" type="checkbox"/> Non	<input type="checkbox"/> Primary																							
	<input type="checkbox"/> Foreign	<input type="checkbox"/> Alternate																							
Key Structure:	<input type="checkbox"/> Simple	<input type="checkbox"/> Composite																							
Uniqueness:	<input checked="" type="checkbox"/> Non-Unique	<input type="checkbox"/> Unique																							
Null Support :	<input checked="" type="checkbox"/> Nulls Allowed	<input type="checkbox"/> No Nulls																							
Values Entered By:	<input checked="" type="checkbox"/> User	<input type="checkbox"/> System																							
Required Value:	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes																							
Default Value: N/A																									
Range of Values: N/A																									
Comparisons Allowed: <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Same Field</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> <tr> <td><input type="checkbox"/> Other Fields</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> <tr> <td><input type="checkbox"/> Value Expression</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> </table>		<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=	<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=	<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=
<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
Operations Allowed: <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Same Field</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> —</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> <tr> <td><input type="checkbox"/> Other Fields</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> —</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> <tr> <td><input type="checkbox"/> Value Expression</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> —</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> </table>		<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> —	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation	<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> —	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation	<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> —	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation			
<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> —	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			
<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> —	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			
<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> —	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			

FIELD SPECIFICATIONS

Date Created: 2/8/2020

Date Modified: [Click here to enter a date.](#)

Created By: Sierra Rittue

Modified By: [Click here to enter text.](#)

General Elements

Field Name: composerfirst	Specification Type: <input checked="" type="checkbox"/> Unique <input type="checkbox"/> Generic <input type="checkbox"/> Replica
Parent Table: music	Source Specification: Click here to enter text.
Label: Author First Name	
Shared By: N/A	
Alias(es): N/A	
Description: The first name of the composer of the piece of music.	

Physical Elements

Data Type: varchar	Character Support: <input checked="" type="checkbox"/> Letters (A-Z) <input checked="" type="checkbox"/> Keyboard (.,/\$#%) <input type="checkbox"/> Numbers (0-9) <input checked="" type="checkbox"/> Special (© [®] ™£π)
Length: 30	
Decimal Places: 0	
Input Mask: XXXX	
Display Format: As entered.	

Logical Elements

<table style="width: 100%;"> <tr> <td style="width: 30%;">Key Type:</td> <td><input checked="" type="checkbox"/> Non</td> <td><input type="checkbox"/> Primary</td> </tr> <tr> <td></td> <td><input type="checkbox"/> Foreign</td> <td><input type="checkbox"/> Alternate</td> </tr> <tr> <td>Key Structure:</td> <td><input type="checkbox"/> Simple</td> <td><input type="checkbox"/> Composite</td> </tr> <tr> <td>Uniqueness:</td> <td><input checked="" type="checkbox"/> Non-Unique</td> <td><input type="checkbox"/> Unique</td> </tr> <tr> <td>Null Support :</td> <td><input type="checkbox"/> Nulls Allowed</td> <td><input checked="" type="checkbox"/> No Nulls</td> </tr> <tr> <td>Values Entered By:</td> <td><input checked="" type="checkbox"/> User</td> <td><input type="checkbox"/> System</td> </tr> <tr> <td>Required Value:</td> <td><input type="checkbox"/> No</td> <td><input checked="" type="checkbox"/> Yes</td> </tr> <tr> <td colspan="3">Default Value: N/A</td> </tr> </table>	Key Type:	<input checked="" type="checkbox"/> Non	<input type="checkbox"/> Primary		<input type="checkbox"/> Foreign	<input type="checkbox"/> Alternate	Key Structure:	<input type="checkbox"/> Simple	<input type="checkbox"/> Composite	Uniqueness:	<input checked="" type="checkbox"/> Non-Unique	<input type="checkbox"/> Unique	Null Support :	<input type="checkbox"/> Nulls Allowed	<input checked="" type="checkbox"/> No Nulls	Values Entered By:	<input checked="" type="checkbox"/> User	<input type="checkbox"/> System	Required Value:	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	Default Value: N/A			Edit Rule: <input checked="" type="checkbox"/> Enter Now, Edits Allowed <input type="checkbox"/> Enter Now, Edits Not Allowed <input type="checkbox"/> Enter Later, Edits Allowed <input type="checkbox"/> Enter Later, Edits Not Allowed <input type="checkbox"/> Not Determined At This Time
Key Type:	<input checked="" type="checkbox"/> Non	<input type="checkbox"/> Primary																							
	<input type="checkbox"/> Foreign	<input type="checkbox"/> Alternate																							
Key Structure:	<input type="checkbox"/> Simple	<input type="checkbox"/> Composite																							
Uniqueness:	<input checked="" type="checkbox"/> Non-Unique	<input type="checkbox"/> Unique																							
Null Support :	<input type="checkbox"/> Nulls Allowed	<input checked="" type="checkbox"/> No Nulls																							
Values Entered By:	<input checked="" type="checkbox"/> User	<input type="checkbox"/> System																							
Required Value:	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes																							
Default Value: N/A																									
Range of Values: N/A																									
Comparisons Allowed: <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Same Field</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> <tr> <td><input type="checkbox"/> Other Fields</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> <tr> <td><input type="checkbox"/> Value Expression</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> </table>		<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=	<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=	<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=
<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
Operations Allowed: <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Same Field</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> −</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> <tr> <td><input type="checkbox"/> Other Fields</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> −</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> <tr> <td><input type="checkbox"/> Value Expression</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> −</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> </table>		<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation	<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation	<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation			
<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			
<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			
<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			

FIELD SPECIFICATIONS

Date Created: 2/8/2020

Date Modified: [Click here to enter a date.](#)

Created By: Sierra Rittue

Modified By: [Click here to enter text.](#)

General Elements

Field Name: musictitle	Specification Type: <input checked="" type="checkbox"/> Unique <input type="checkbox"/> Generic <input type="checkbox"/> Replica
Parent Table: music	Source Specification: Click here to enter text.
Label: MusicTitle	
Shared By: N/A	
Alias(es): N/A	
Description: The title of a piece of music in our collection.	

Physical Elements

Data Type: varchar	Character Support: <input checked="" type="checkbox"/> Letters (A-Z) <input checked="" type="checkbox"/> Keyboard (.,/\$#%) <input checked="" type="checkbox"/> Numbers (0-9) <input checked="" type="checkbox"/> Special (© [®] ™£π)
Length: 255	
Decimal Places: 0	
Input Mask: XXX	
Display Format: As entered.	

Logical Elements

<table style="width: 100%;"> <tr> <td style="width: 30%;">Key Type:</td> <td><input checked="" type="checkbox"/> Non</td> <td><input type="checkbox"/> Primary</td> </tr> <tr> <td></td> <td><input type="checkbox"/> Foreign</td> <td><input type="checkbox"/> Alternate</td> </tr> <tr> <td>Key Structure:</td> <td><input type="checkbox"/> Simple</td> <td><input type="checkbox"/> Composite</td> </tr> <tr> <td>Uniqueness:</td> <td><input checked="" type="checkbox"/> Non-Unique</td> <td><input type="checkbox"/> Unique</td> </tr> <tr> <td>Null Support :</td> <td><input type="checkbox"/> Nulls Allowed</td> <td><input checked="" type="checkbox"/> No Nulls</td> </tr> <tr> <td>Values Entered By:</td> <td><input checked="" type="checkbox"/> User</td> <td><input type="checkbox"/> System</td> </tr> <tr> <td>Required Value:</td> <td><input type="checkbox"/> No</td> <td><input checked="" type="checkbox"/> Yes</td> </tr> <tr> <td colspan="3">Default Value: N/A</td> </tr> </table>	Key Type:	<input checked="" type="checkbox"/> Non	<input type="checkbox"/> Primary		<input type="checkbox"/> Foreign	<input type="checkbox"/> Alternate	Key Structure:	<input type="checkbox"/> Simple	<input type="checkbox"/> Composite	Uniqueness:	<input checked="" type="checkbox"/> Non-Unique	<input type="checkbox"/> Unique	Null Support :	<input type="checkbox"/> Nulls Allowed	<input checked="" type="checkbox"/> No Nulls	Values Entered By:	<input checked="" type="checkbox"/> User	<input type="checkbox"/> System	Required Value:	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	Default Value: N/A			Edit Rule: <input checked="" type="checkbox"/> Enter Now, Edits Allowed <input type="checkbox"/> Enter Now, Edits Not Allowed <input type="checkbox"/> Enter Later, Edits Allowed <input type="checkbox"/> Enter Later, Edits Not Allowed <input type="checkbox"/> Not Determined At This Time
Key Type:	<input checked="" type="checkbox"/> Non	<input type="checkbox"/> Primary																							
	<input type="checkbox"/> Foreign	<input type="checkbox"/> Alternate																							
Key Structure:	<input type="checkbox"/> Simple	<input type="checkbox"/> Composite																							
Uniqueness:	<input checked="" type="checkbox"/> Non-Unique	<input type="checkbox"/> Unique																							
Null Support :	<input type="checkbox"/> Nulls Allowed	<input checked="" type="checkbox"/> No Nulls																							
Values Entered By:	<input checked="" type="checkbox"/> User	<input type="checkbox"/> System																							
Required Value:	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes																							
Default Value: N/A																									
Range of Values: N/A																									
Comparisons Allowed: <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Same Field</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> <tr> <td><input type="checkbox"/> Other Fields</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> <tr> <td><input type="checkbox"/> Value Expression</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> </table>		<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=	<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=	<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=
<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
Operations Allowed: <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Same Field</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> —</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> <tr> <td><input type="checkbox"/> Other Fields</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> —</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> <tr> <td><input type="checkbox"/> Value Expression</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> —</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> </table>		<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> —	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation	<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> —	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation	<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> —	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation			
<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> —	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			
<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> —	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			
<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> —	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			

FIELD SPECIFICATIONS

Date Created: 2/8/2020

Date Modified: [Click here to enter a date.](#)

Created By: Sierra Rittue

Modified By: [Click here to enter text.](#)

General Elements

Field Name: musicpubdate	Specification Type: <input checked="" type="checkbox"/> Unique <input type="checkbox"/> Generic <input type="checkbox"/> Replica
Parent Table: music	Source Specification: Click here to enter text.
Label: Music Publication Date	
Shared By: N/A	
Alias(es): N/A	
Description: The publication date of a piece of music.	

Physical Elements

Data Type: DATE	Character Support: <input type="checkbox"/> Letters (A-Z) <input type="checkbox"/> Keyboard (.,/\$#%) <input checked="" type="checkbox"/> Numbers (0-9) <input type="checkbox"/> Special (© [®] ™£π)
Length: 10	
Decimal Places: 0	
Input Mask: N/A	
Display Format: YYYY-MM-DD	

Logical Elements

<table style="width: 100%;"> <tr> <td style="width: 30%;">Key Type:</td> <td><input checked="" type="checkbox"/> Non</td> <td><input type="checkbox"/> Primary</td> </tr> <tr> <td></td> <td><input type="checkbox"/> Foreign</td> <td><input type="checkbox"/> Alternate</td> </tr> <tr> <td>Key Structure:</td> <td><input type="checkbox"/> Simple</td> <td><input type="checkbox"/> Composite</td> </tr> <tr> <td>Uniqueness:</td> <td><input checked="" type="checkbox"/> Non-Unique</td> <td><input type="checkbox"/> Unique</td> </tr> <tr> <td>Null Support :</td> <td><input type="checkbox"/> Nulls Allowed</td> <td><input checked="" type="checkbox"/> No Nulls</td> </tr> <tr> <td>Values Entered By:</td> <td><input checked="" type="checkbox"/> User</td> <td><input type="checkbox"/> System</td> </tr> <tr> <td>Required Value:</td> <td><input type="checkbox"/> No</td> <td><input checked="" type="checkbox"/> Yes</td> </tr> <tr> <td colspan="3">Default Value: N/A</td> </tr> </table>	Key Type:	<input checked="" type="checkbox"/> Non	<input type="checkbox"/> Primary		<input type="checkbox"/> Foreign	<input type="checkbox"/> Alternate	Key Structure:	<input type="checkbox"/> Simple	<input type="checkbox"/> Composite	Uniqueness:	<input checked="" type="checkbox"/> Non-Unique	<input type="checkbox"/> Unique	Null Support :	<input type="checkbox"/> Nulls Allowed	<input checked="" type="checkbox"/> No Nulls	Values Entered By:	<input checked="" type="checkbox"/> User	<input type="checkbox"/> System	Required Value:	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	Default Value: N/A			Edit Rule: <input checked="" type="checkbox"/> Enter Now, Edits Allowed <input type="checkbox"/> Enter Now, Edits Not Allowed <input type="checkbox"/> Enter Later, Edits Allowed <input type="checkbox"/> Enter Later, Edits Not Allowed <input type="checkbox"/> Not Determined At This Time
Key Type:	<input checked="" type="checkbox"/> Non	<input type="checkbox"/> Primary																							
	<input type="checkbox"/> Foreign	<input type="checkbox"/> Alternate																							
Key Structure:	<input type="checkbox"/> Simple	<input type="checkbox"/> Composite																							
Uniqueness:	<input checked="" type="checkbox"/> Non-Unique	<input type="checkbox"/> Unique																							
Null Support :	<input type="checkbox"/> Nulls Allowed	<input checked="" type="checkbox"/> No Nulls																							
Values Entered By:	<input checked="" type="checkbox"/> User	<input type="checkbox"/> System																							
Required Value:	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes																							
Default Value: N/A																									
Range of Values: N/A																									
Comparisons Allowed: <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Same Field</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> <tr> <td><input type="checkbox"/> Other Fields</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> <tr> <td><input type="checkbox"/> Value Expression</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> </table>		<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=	<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=	<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=
<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
Operations Allowed: <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Same Field</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> —</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> <tr> <td><input type="checkbox"/> Other Fields</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> —</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> <tr> <td><input type="checkbox"/> Value Expression</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> —</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> </table>		<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> —	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation	<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> —	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation	<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> —	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation			
<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> —	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			
<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> —	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			
<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> —	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			

FIELD SPECIFICATIONS

Date Created: 2/8/2020

Date Modified: [Click here to enter a date.](#)

Created By: Sierra Rittue

Modified By: [Click here to enter text.](#)

General Elements

Field Name: musicgenre	Specification Type: <input checked="" type="checkbox"/> Unique <input type="checkbox"/> Generic <input type="checkbox"/> Replica
Parent Table: music	Source Specification: Click here to enter text.
Label: Music Genre	
Shared By: N/A	
Alias(es): N/A	
Description: The genre of the music.	

Physical Elements

Data Type: ENUM (CLASSICAL, BIGBAND, OPERA)	Character Support: <input checked="" type="checkbox"/> Letters (A-Z) <input type="checkbox"/> Keyboard (.,/\$#%) <input type="checkbox"/> Numbers (0-9) <input type="checkbox"/> Special (© [®] ™£π)
Length: N/A	
Decimal Places: 0	
Input Mask: N/A	
Display Format: As entered.	

Logical Elements

<table style="width: 100%;"> <tr> <td style="width: 30%;">Key Type:</td> <td><input checked="" type="checkbox"/> Non</td> <td><input type="checkbox"/> Primary</td> </tr> <tr> <td></td> <td><input type="checkbox"/> Foreign</td> <td><input type="checkbox"/> Alternate</td> </tr> <tr> <td>Key Structure:</td> <td><input type="checkbox"/> Simple</td> <td><input type="checkbox"/> Composite</td> </tr> <tr> <td>Uniqueness:</td> <td><input checked="" type="checkbox"/> Non-Unique</td> <td><input type="checkbox"/> Unique</td> </tr> <tr> <td>Null Support :</td> <td><input type="checkbox"/> Nulls Allowed</td> <td><input checked="" type="checkbox"/> No Nulls</td> </tr> <tr> <td>Values Entered By:</td> <td><input checked="" type="checkbox"/> User</td> <td><input type="checkbox"/> System</td> </tr> <tr> <td>Required Value:</td> <td><input type="checkbox"/> No</td> <td><input checked="" type="checkbox"/> Yes</td> </tr> <tr> <td colspan="3">Default Value: N/A</td> </tr> </table>	Key Type:	<input checked="" type="checkbox"/> Non	<input type="checkbox"/> Primary		<input type="checkbox"/> Foreign	<input type="checkbox"/> Alternate	Key Structure:	<input type="checkbox"/> Simple	<input type="checkbox"/> Composite	Uniqueness:	<input checked="" type="checkbox"/> Non-Unique	<input type="checkbox"/> Unique	Null Support :	<input type="checkbox"/> Nulls Allowed	<input checked="" type="checkbox"/> No Nulls	Values Entered By:	<input checked="" type="checkbox"/> User	<input type="checkbox"/> System	Required Value:	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	Default Value: N/A			Edit Rule: <input checked="" type="checkbox"/> Enter Now, Edits Allowed <input type="checkbox"/> Enter Now, Edits Not Allowed <input type="checkbox"/> Enter Later, Edits Allowed <input type="checkbox"/> Enter Later, Edits Not Allowed <input type="checkbox"/> Not Determined At This Time
Key Type:	<input checked="" type="checkbox"/> Non	<input type="checkbox"/> Primary																							
	<input type="checkbox"/> Foreign	<input type="checkbox"/> Alternate																							
Key Structure:	<input type="checkbox"/> Simple	<input type="checkbox"/> Composite																							
Uniqueness:	<input checked="" type="checkbox"/> Non-Unique	<input type="checkbox"/> Unique																							
Null Support :	<input type="checkbox"/> Nulls Allowed	<input checked="" type="checkbox"/> No Nulls																							
Values Entered By:	<input checked="" type="checkbox"/> User	<input type="checkbox"/> System																							
Required Value:	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes																							
Default Value: N/A																									
Range of Values: N/A																									
Comparisons Allowed: <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Same Field</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> <tr> <td><input type="checkbox"/> Other Fields</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> <tr> <td><input type="checkbox"/> Value Expression</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> </table>		<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=	<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=	<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=
<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
Operations Allowed: <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Same Field</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> −</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> <tr> <td><input type="checkbox"/> Other Fields</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> −</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> <tr> <td><input type="checkbox"/> Value Expression</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> −</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> </table>		<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation	<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation	<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation			
<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			
<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			
<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			

FIELD SPECIFICATIONS

Date Created: 2/8/2020

Date Modified: [Click here to enter a date.](#)

Created By: Sierra Rittue

Modified By: [Click here to enter text.](#)

General Elements

Field Name: transaction_item_id	Specification Type: <input checked="" type="checkbox"/> Unique <input type="checkbox"/> Generic <input type="checkbox"/> Replica
Parent Table: transaction_item	Source Specification: N/A
Label: Transaction Item ID	
Shared By: N/A	
Alias(es): N/A	
Description: This field contains the transaction_item record's unique identifier. The transaction_item record serves to connect an item in the collection to a specific transaction.	

Physical Elements

Data Type: integer	Character Support: <input type="checkbox"/> Letters (A-Z) <input type="checkbox"/> Keyboard (.,/\$#%) <input checked="" type="checkbox"/> Numbers (0-9) <input type="checkbox"/> Special (© [®] ™ £ π)
Length: 4	
Decimal Places: 0	
Input Mask: #####	
Display Format: 0000	

Logical Elements

<table style="width: 100%;"> <tr> <td style="width: 30%;">Key Type:</td> <td><input type="checkbox"/> Non</td> <td><input checked="" type="checkbox"/> Primary</td> </tr> <tr> <td></td> <td><input type="checkbox"/> Foreign</td> <td><input type="checkbox"/> Alternate</td> </tr> <tr> <td>Key Structure:</td> <td><input checked="" type="checkbox"/> Simple</td> <td><input type="checkbox"/> Composite</td> </tr> <tr> <td>Uniqueness:</td> <td><input type="checkbox"/> Non-Unique</td> <td><input checked="" type="checkbox"/> Unique</td> </tr> <tr> <td>Null Support :</td> <td><input type="checkbox"/> Nulls Allowed</td> <td><input checked="" type="checkbox"/> No Nulls</td> </tr> <tr> <td>Values Entered By:</td> <td><input type="checkbox"/> User</td> <td><input checked="" type="checkbox"/> System</td> </tr> <tr> <td>Required Value:</td> <td><input type="checkbox"/> No</td> <td><input checked="" type="checkbox"/> Yes</td> </tr> <tr> <td colspan="3">Default Value: N/A</td> </tr> </table>	Key Type:	<input type="checkbox"/> Non	<input checked="" type="checkbox"/> Primary		<input type="checkbox"/> Foreign	<input type="checkbox"/> Alternate	Key Structure:	<input checked="" type="checkbox"/> Simple	<input type="checkbox"/> Composite	Uniqueness:	<input type="checkbox"/> Non-Unique	<input checked="" type="checkbox"/> Unique	Null Support :	<input type="checkbox"/> Nulls Allowed	<input checked="" type="checkbox"/> No Nulls	Values Entered By:	<input type="checkbox"/> User	<input checked="" type="checkbox"/> System	Required Value:	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	Default Value: N/A			Edit Rule: <input type="checkbox"/> Enter Now, Edits Allowed <input checked="" type="checkbox"/> Enter Now, Edits Not Allowed <input type="checkbox"/> Enter Later, Edits Allowed <input type="checkbox"/> Enter Later, Edits Not Allowed <input type="checkbox"/> Not Determined At This Time
Key Type:	<input type="checkbox"/> Non	<input checked="" type="checkbox"/> Primary																							
	<input type="checkbox"/> Foreign	<input type="checkbox"/> Alternate																							
Key Structure:	<input checked="" type="checkbox"/> Simple	<input type="checkbox"/> Composite																							
Uniqueness:	<input type="checkbox"/> Non-Unique	<input checked="" type="checkbox"/> Unique																							
Null Support :	<input type="checkbox"/> Nulls Allowed	<input checked="" type="checkbox"/> No Nulls																							
Values Entered By:	<input type="checkbox"/> User	<input checked="" type="checkbox"/> System																							
Required Value:	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes																							
Default Value: N/A																									
Range of Values: 1000 to 9999																									
Comparisons Allowed: <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Same Field</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> <tr> <td><input type="checkbox"/> Other Fields</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> <tr> <td><input type="checkbox"/> Value Expression</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> </table>		<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=	<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=	<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=
<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
Operations Allowed: <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Same Field</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> −</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> <tr> <td><input type="checkbox"/> Other Fields</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> −</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> <tr> <td><input type="checkbox"/> Value Expression</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> −</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> </table>		<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation	<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation	<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation			
<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			
<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			
<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			

FIELD SPECIFICATIONS

Date Created: 2/8/2020

Date Modified: [Click here to enter a date.](#)

Created By: Sierra Rittue

Modified By: [Click here to enter text.](#)

General Elements

Field Name: collection_id	Specification Type: <input type="checkbox"/> Unique <input type="checkbox"/> Generic <input checked="" type="checkbox"/> Replica
Parent Table: transaction_item	Source Specification: N/A
Label: Collection Item ID	
Shared By: collection	
Alias(es): N/A	
Description: This field contains an item's specific collection identifying number.	

Physical Elements

Data Type: integer	Character Support: <input type="checkbox"/> Letters (A-Z) <input type="checkbox"/> Keyboard (.,/\$#%) <input checked="" type="checkbox"/> Numbers (0-9) <input type="checkbox"/> Special (© [®] ™£π)
Length: 4	
Decimal Places: 0	
Input Mask: #####	
Display Format: 0000	

Logical Elements

<table style="width: 100%;"> <tr> <td style="width: 30%;">Key Type:</td> <td><input type="checkbox"/> Non</td> <td><input type="checkbox"/> Primary</td> </tr> <tr> <td></td> <td><input checked="" type="checkbox"/> Foreign</td> <td><input type="checkbox"/> Alternate</td> </tr> <tr> <td>Key Structure:</td> <td><input checked="" type="checkbox"/> Simple</td> <td><input type="checkbox"/> Composite</td> </tr> <tr> <td>Uniqueness:</td> <td><input checked="" type="checkbox"/> Non-Unique</td> <td><input type="checkbox"/> Unique</td> </tr> <tr> <td>Null Support :</td> <td><input type="checkbox"/> Nulls Allowed</td> <td><input checked="" type="checkbox"/> No Nulls</td> </tr> <tr> <td>Values Entered By:</td> <td><input type="checkbox"/> User</td> <td><input checked="" type="checkbox"/> System</td> </tr> <tr> <td>Required Value:</td> <td><input type="checkbox"/> No</td> <td><input checked="" type="checkbox"/> Yes</td> </tr> <tr> <td colspan="3">Default Value: N/A</td> </tr> </table>	Key Type:	<input type="checkbox"/> Non	<input type="checkbox"/> Primary		<input checked="" type="checkbox"/> Foreign	<input type="checkbox"/> Alternate	Key Structure:	<input checked="" type="checkbox"/> Simple	<input type="checkbox"/> Composite	Uniqueness:	<input checked="" type="checkbox"/> Non-Unique	<input type="checkbox"/> Unique	Null Support :	<input type="checkbox"/> Nulls Allowed	<input checked="" type="checkbox"/> No Nulls	Values Entered By:	<input type="checkbox"/> User	<input checked="" type="checkbox"/> System	Required Value:	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	Default Value: N/A			Edit Rule: <input type="checkbox"/> Enter Now, Edits Allowed <input checked="" type="checkbox"/> Enter Now, Edits Not Allowed <input type="checkbox"/> Enter Later, Edits Allowed <input type="checkbox"/> Enter Later, Edits Not Allowed <input type="checkbox"/> Not Determined At This Time
Key Type:	<input type="checkbox"/> Non	<input type="checkbox"/> Primary																							
	<input checked="" type="checkbox"/> Foreign	<input type="checkbox"/> Alternate																							
Key Structure:	<input checked="" type="checkbox"/> Simple	<input type="checkbox"/> Composite																							
Uniqueness:	<input checked="" type="checkbox"/> Non-Unique	<input type="checkbox"/> Unique																							
Null Support :	<input type="checkbox"/> Nulls Allowed	<input checked="" type="checkbox"/> No Nulls																							
Values Entered By:	<input type="checkbox"/> User	<input checked="" type="checkbox"/> System																							
Required Value:	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes																							
Default Value: N/A																									
Range of Values: 1000 to 9999																									
Comparisons Allowed: <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Same Field</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> <tr> <td><input type="checkbox"/> Other Fields</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> <tr> <td><input type="checkbox"/> Value Expression</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> </table>		<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=	<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=	<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=
<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
Operations Allowed: <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Same Field</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> −</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> <tr> <td><input type="checkbox"/> Other Fields</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> −</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> <tr> <td><input type="checkbox"/> Value Expression</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> −</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> </table>		<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation	<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation	<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation			
<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			
<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			
<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			

FIELD SPECIFICATIONS

Date Created: 2/8/2020

Date Modified: [Click here to enter a date.](#)

Created By: Sierra Rittue

Modified By: [Click here to enter text.](#)

General Elements

Field Name: transaction_id	Specification Type: <input type="checkbox"/> Unique <input type="checkbox"/> Generic <input checked="" type="checkbox"/> Replica
Parent Table: transaction_item	Source Specification: N/A
Label: Transaction ID	
Shared By: transactions	
Alias(es): N/A	
Description: This field contains a specific transaction's identifying number.	

Physical Elements

Data Type: integer	Character Support: <input type="checkbox"/> Letters (A-Z) <input type="checkbox"/> Keyboard (.,/\$#%) <input checked="" type="checkbox"/> Numbers (0-9) <input type="checkbox"/> Special (© [®] ™£π)
Length: 4	
Decimal Places: 0	
Input Mask: #####	
Display Format: 0000	

Logical Elements

<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Key Type:</td> <td><input type="checkbox"/> Non</td> <td><input type="checkbox"/> Primary</td> </tr> <tr> <td></td> <td><input checked="" type="checkbox"/> Foreign</td> <td><input type="checkbox"/> Alternate</td> </tr> <tr> <td>Key Structure:</td> <td><input checked="" type="checkbox"/> Simple</td> <td><input type="checkbox"/> Composite</td> </tr> <tr> <td>Uniqueness:</td> <td><input checked="" type="checkbox"/> Non-Unique</td> <td><input type="checkbox"/> Unique</td> </tr> <tr> <td>Null Support :</td> <td><input type="checkbox"/> Nulls Allowed</td> <td><input checked="" type="checkbox"/> No Nulls</td> </tr> <tr> <td>Values Entered By:</td> <td><input type="checkbox"/> User</td> <td><input checked="" type="checkbox"/> System</td> </tr> <tr> <td>Required Value:</td> <td><input type="checkbox"/> No</td> <td><input checked="" type="checkbox"/> Yes</td> </tr> <tr> <td colspan="3">Default Value: N/A</td> </tr> </table>	Key Type:	<input type="checkbox"/> Non	<input type="checkbox"/> Primary		<input checked="" type="checkbox"/> Foreign	<input type="checkbox"/> Alternate	Key Structure:	<input checked="" type="checkbox"/> Simple	<input type="checkbox"/> Composite	Uniqueness:	<input checked="" type="checkbox"/> Non-Unique	<input type="checkbox"/> Unique	Null Support :	<input type="checkbox"/> Nulls Allowed	<input checked="" type="checkbox"/> No Nulls	Values Entered By:	<input type="checkbox"/> User	<input checked="" type="checkbox"/> System	Required Value:	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	Default Value: N/A			Edit Rule: <input type="checkbox"/> Enter Now, Edits Allowed <input checked="" type="checkbox"/> Enter Now, Edits Not Allowed <input type="checkbox"/> Enter Later, Edits Allowed <input type="checkbox"/> Enter Later, Edits Not Allowed <input type="checkbox"/> Not Determined At This Time
Key Type:	<input type="checkbox"/> Non	<input type="checkbox"/> Primary																							
	<input checked="" type="checkbox"/> Foreign	<input type="checkbox"/> Alternate																							
Key Structure:	<input checked="" type="checkbox"/> Simple	<input type="checkbox"/> Composite																							
Uniqueness:	<input checked="" type="checkbox"/> Non-Unique	<input type="checkbox"/> Unique																							
Null Support :	<input type="checkbox"/> Nulls Allowed	<input checked="" type="checkbox"/> No Nulls																							
Values Entered By:	<input type="checkbox"/> User	<input checked="" type="checkbox"/> System																							
Required Value:	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes																							
Default Value: N/A																									
Range of Values: 1000 to 9999																									
Comparisons Allowed: <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Same Field</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> <tr> <td><input type="checkbox"/> Other Fields</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> <tr> <td><input type="checkbox"/> Value Expression</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> </table>		<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=	<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=	<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=
<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
Operations Allowed: <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Same Field</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> −</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> <tr> <td><input type="checkbox"/> Other Fields</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> −</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> <tr> <td><input type="checkbox"/> Value Expression</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> −</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> </table>		<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation	<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation	<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation			
<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			
<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			
<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			

FIELD SPECIFICATIONS

Date Created: 2/8/2020

Date Modified: [Click here to enter a date.](#)

Created By: Sierra Rittue

Modified By: [Click here to enter text.](#)

General Elements

Field Name: transaction_id	Specification Type: <input checked="" type="checkbox"/> Unique <input type="checkbox"/> Generic <input type="checkbox"/> Replica
Parent Table: transactions	Source Specification: N/A
Label: Transaction ID	
Shared By: transaction_item	
Alias(es): N/A	
Description: This field contains a specific transaction's identifying number.	

Physical Elements

Data Type: integer	Character Support: <input type="checkbox"/> Letters (A-Z) <input type="checkbox"/> Keyboard (.,/\$#%) <input checked="" type="checkbox"/> Numbers (0-9) <input type="checkbox"/> Special (© [®] ™£π)
Length: 4	
Decimal Places: 0	
Input Mask: #####	
Display Format: 0000	

Logical Elements

<table style="width: 100%;"> <tr> <td style="width: 30%;">Key Type:</td> <td><input type="checkbox"/> Non</td> <td><input checked="" type="checkbox"/> Primary</td> </tr> <tr> <td></td> <td><input type="checkbox"/> Foreign</td> <td><input type="checkbox"/> Alternate</td> </tr> <tr> <td>Key Structure:</td> <td><input checked="" type="checkbox"/> Simple</td> <td><input type="checkbox"/> Composite</td> </tr> <tr> <td>Uniqueness:</td> <td><input type="checkbox"/> Non-Unique</td> <td><input checked="" type="checkbox"/> Unique</td> </tr> <tr> <td>Null Support :</td> <td><input type="checkbox"/> Nulls Allowed</td> <td><input checked="" type="checkbox"/> No Nulls</td> </tr> <tr> <td>Values Entered By:</td> <td><input type="checkbox"/> User</td> <td><input checked="" type="checkbox"/> System</td> </tr> <tr> <td>Required Value:</td> <td><input type="checkbox"/> No</td> <td><input checked="" type="checkbox"/> Yes</td> </tr> <tr> <td colspan="3">Default Value: N/A</td> </tr> </table>	Key Type:	<input type="checkbox"/> Non	<input checked="" type="checkbox"/> Primary		<input type="checkbox"/> Foreign	<input type="checkbox"/> Alternate	Key Structure:	<input checked="" type="checkbox"/> Simple	<input type="checkbox"/> Composite	Uniqueness:	<input type="checkbox"/> Non-Unique	<input checked="" type="checkbox"/> Unique	Null Support :	<input type="checkbox"/> Nulls Allowed	<input checked="" type="checkbox"/> No Nulls	Values Entered By:	<input type="checkbox"/> User	<input checked="" type="checkbox"/> System	Required Value:	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	Default Value: N/A			Edit Rule: <input type="checkbox"/> Enter Now, Edits Allowed <input checked="" type="checkbox"/> Enter Now, Edits Not Allowed <input type="checkbox"/> Enter Later, Edits Allowed <input type="checkbox"/> Enter Later, Edits Not Allowed <input type="checkbox"/> Not Determined At This Time
Key Type:	<input type="checkbox"/> Non	<input checked="" type="checkbox"/> Primary																							
	<input type="checkbox"/> Foreign	<input type="checkbox"/> Alternate																							
Key Structure:	<input checked="" type="checkbox"/> Simple	<input type="checkbox"/> Composite																							
Uniqueness:	<input type="checkbox"/> Non-Unique	<input checked="" type="checkbox"/> Unique																							
Null Support :	<input type="checkbox"/> Nulls Allowed	<input checked="" type="checkbox"/> No Nulls																							
Values Entered By:	<input type="checkbox"/> User	<input checked="" type="checkbox"/> System																							
Required Value:	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes																							
Default Value: N/A																									
Range of Values: 1000 to 9999																									
Comparisons Allowed: <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Same Field</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> <tr> <td><input type="checkbox"/> Other Fields</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> <tr> <td><input type="checkbox"/> Value Expression</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> </table>		<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=	<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=	<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=
<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
Operations Allowed: <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Same Field</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> −</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> <tr> <td><input type="checkbox"/> Other Fields</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> −</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> <tr> <td><input type="checkbox"/> Value Expression</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> −</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> </table>		<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation	<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation	<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation			
<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			
<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			
<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			

FIELD SPECIFICATIONS

Date Created: 2/8/2020

Date Modified: [Click here to enter a date.](#)

Created By: Sierra Rittue

Modified By: [Click here to enter text.](#)

General Elements

Field Name: totalitems	Specification Type: <input checked="" type="checkbox"/> Unique <input type="checkbox"/> Generic <input type="checkbox"/> Replica
Parent Table: transactions	Source Specification: N/A
Label: Total Items	
Shared By: N/A	
Alias(es): N/A	
Description: This field contains the total number of items associated with this transaction.	

Physical Elements

Data Type: ENUM (1, 2, 3)	Character Support: <input type="checkbox"/> Letters (A-Z) <input type="checkbox"/> Keyboard (.,/\$#%) <input checked="" type="checkbox"/> Numbers (0-9) <input type="checkbox"/> Special (© [®] ™£π)
Length: N/A	
Decimal Places: N/A	
Input Mask: N/A	
Display Format: As entered.	

Logical Elements

<table style="width: 100%;"> <tr> <td style="width: 30%;">Key Type:</td> <td><input checked="" type="checkbox"/> Non</td> <td><input type="checkbox"/> Primary</td> </tr> <tr> <td></td> <td><input type="checkbox"/> Foreign</td> <td><input type="checkbox"/> Alternate</td> </tr> <tr> <td>Key Structure:</td> <td><input type="checkbox"/> Simple</td> <td><input type="checkbox"/> Composite</td> </tr> <tr> <td>Uniqueness:</td> <td><input checked="" type="checkbox"/> Non-Unique</td> <td><input type="checkbox"/> Unique</td> </tr> <tr> <td>Null Support :</td> <td><input type="checkbox"/> Nulls Allowed</td> <td><input checked="" type="checkbox"/> No Nulls</td> </tr> <tr> <td>Values Entered By:</td> <td><input checked="" type="checkbox"/> User</td> <td><input type="checkbox"/> System</td> </tr> <tr> <td>Required Value:</td> <td><input type="checkbox"/> No</td> <td><input checked="" type="checkbox"/> Yes</td> </tr> <tr> <td colspan="3">Default Value: N/A</td> </tr> </table>	Key Type:	<input checked="" type="checkbox"/> Non	<input type="checkbox"/> Primary		<input type="checkbox"/> Foreign	<input type="checkbox"/> Alternate	Key Structure:	<input type="checkbox"/> Simple	<input type="checkbox"/> Composite	Uniqueness:	<input checked="" type="checkbox"/> Non-Unique	<input type="checkbox"/> Unique	Null Support :	<input type="checkbox"/> Nulls Allowed	<input checked="" type="checkbox"/> No Nulls	Values Entered By:	<input checked="" type="checkbox"/> User	<input type="checkbox"/> System	Required Value:	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	Default Value: N/A			Edit Rule: <input type="checkbox"/> Enter Now, Edits Allowed <input checked="" type="checkbox"/> Enter Now, Edits Not Allowed <input type="checkbox"/> Enter Later, Edits Allowed <input type="checkbox"/> Enter Later, Edits Not Allowed <input type="checkbox"/> Not Determined At This Time
Key Type:	<input checked="" type="checkbox"/> Non	<input type="checkbox"/> Primary																							
	<input type="checkbox"/> Foreign	<input type="checkbox"/> Alternate																							
Key Structure:	<input type="checkbox"/> Simple	<input type="checkbox"/> Composite																							
Uniqueness:	<input checked="" type="checkbox"/> Non-Unique	<input type="checkbox"/> Unique																							
Null Support :	<input type="checkbox"/> Nulls Allowed	<input checked="" type="checkbox"/> No Nulls																							
Values Entered By:	<input checked="" type="checkbox"/> User	<input type="checkbox"/> System																							
Required Value:	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes																							
Default Value: N/A																									
Range of Values: N/A																									
Comparisons Allowed: <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Same Field</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> <tr> <td><input type="checkbox"/> Other Fields</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> <tr> <td><input type="checkbox"/> Value Expression</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> </table>		<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=	<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=	<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=
<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
Operations Allowed: <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Same Field</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> −</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> <tr> <td><input type="checkbox"/> Other Fields</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> −</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> <tr> <td><input type="checkbox"/> Value Expression</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> −</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> </table>		<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation	<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation	<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation			
<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			
<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			
<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			

FIELD SPECIFICATIONS

Date Created: 2/8/2020

Date Modified: [Click here to enter a date.](#)

Created By: Sierra Rittue

Modified By: [Click here to enter text.](#)

General Elements

Field Name: dateout	Specification Type: <input checked="" type="checkbox"/> Unique <input type="checkbox"/> Generic <input type="checkbox"/> Replica
Parent Table: transactions	Source Specification: N/A
Label: Date Out	
Shared By: N/A	
Alias(es): N/A	
Description: This field contains start date of a transaction, or the day the items went out on loan.	

Physical Elements

Data Type: DATE	Character Support: <input type="checkbox"/> Letters (A-Z) <input type="checkbox"/> Keyboard (.,/\$#%) <input checked="" type="checkbox"/> Numbers (0-9) <input type="checkbox"/> Special (© [®] ™£π)
Length: 10	
Decimal Places: N/A	
Input Mask: N/A	
Display Format: YYYY-MM-DD	

Logical Elements

<table style="width: 100%;"> <tr> <td style="width: 30%;">Key Type:</td> <td><input checked="" type="checkbox"/> Non</td> <td><input type="checkbox"/> Primary</td> </tr> <tr> <td></td> <td><input type="checkbox"/> Foreign</td> <td><input type="checkbox"/> Alternate</td> </tr> <tr> <td>Key Structure:</td> <td><input type="checkbox"/> Simple</td> <td><input type="checkbox"/> Composite</td> </tr> <tr> <td>Uniqueness:</td> <td><input checked="" type="checkbox"/> Non-Unique</td> <td><input type="checkbox"/> Unique</td> </tr> <tr> <td>Null Support :</td> <td><input type="checkbox"/> Nulls Allowed</td> <td><input checked="" type="checkbox"/> No Nulls</td> </tr> <tr> <td>Values Entered By:</td> <td><input type="checkbox"/> User</td> <td><input checked="" type="checkbox"/> System</td> </tr> <tr> <td>Required Value:</td> <td><input type="checkbox"/> No</td> <td><input checked="" type="checkbox"/> Yes</td> </tr> <tr> <td colspan="3">Default Value: N/A</td> </tr> </table>	Key Type:	<input checked="" type="checkbox"/> Non	<input type="checkbox"/> Primary		<input type="checkbox"/> Foreign	<input type="checkbox"/> Alternate	Key Structure:	<input type="checkbox"/> Simple	<input type="checkbox"/> Composite	Uniqueness:	<input checked="" type="checkbox"/> Non-Unique	<input type="checkbox"/> Unique	Null Support :	<input type="checkbox"/> Nulls Allowed	<input checked="" type="checkbox"/> No Nulls	Values Entered By:	<input type="checkbox"/> User	<input checked="" type="checkbox"/> System	Required Value:	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	Default Value: N/A			Edit Rule: <input type="checkbox"/> Enter Now, Edits Allowed <input checked="" type="checkbox"/> Enter Now, Edits Not Allowed <input type="checkbox"/> Enter Later, Edits Allowed <input type="checkbox"/> Enter Later, Edits Not Allowed <input type="checkbox"/> Not Determined At This Time
Key Type:	<input checked="" type="checkbox"/> Non	<input type="checkbox"/> Primary																							
	<input type="checkbox"/> Foreign	<input type="checkbox"/> Alternate																							
Key Structure:	<input type="checkbox"/> Simple	<input type="checkbox"/> Composite																							
Uniqueness:	<input checked="" type="checkbox"/> Non-Unique	<input type="checkbox"/> Unique																							
Null Support :	<input type="checkbox"/> Nulls Allowed	<input checked="" type="checkbox"/> No Nulls																							
Values Entered By:	<input type="checkbox"/> User	<input checked="" type="checkbox"/> System																							
Required Value:	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes																							
Default Value: N/A																									
Range of Values: N/A																									
Comparisons Allowed: <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Same Field</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> <tr> <td><input type="checkbox"/> Other Fields</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> <tr> <td><input type="checkbox"/> Value Expression</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> </table>		<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=	<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=	<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=
<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
Operations Allowed: <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Same Field</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> −</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> <tr> <td><input type="checkbox"/> Other Fields</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> −</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> <tr> <td><input type="checkbox"/> Value Expression</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> −</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> </table>		<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation	<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation	<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation			
<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			
<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			
<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			

FIELD SPECIFICATIONS

Date Created: 2/8/2020

Date Modified: [Click here to enter a date.](#)

Created By: Sierra Rittue

Modified By: [Click here to enter text.](#)

General Elements

Field Name: datereturned	Specification Type: <input checked="" type="checkbox"/> Unique <input type="checkbox"/> Generic <input type="checkbox"/> Replica
Parent Table: transactions	Source Specification: N/A
Label: Date Returned	
Shared By: N/A	
Alias(es): N/A	
Description: This field contains the date a transaction was completed and its items returned.	

Physical Elements

Data Type: DATE	Character Support: <input type="checkbox"/> Letters (A-Z) <input type="checkbox"/> Keyboard (.,/\$#%) <input checked="" type="checkbox"/> Numbers (0-9) <input type="checkbox"/> Special (© [®] ™£π)
Length: 10	
Decimal Places: N/A	
Input Mask: N/A	
Display Format: YYYY-MM-DD	

Logical Elements

<table style="width: 100%;"> <tr> <td style="width: 30%;">Key Type:</td> <td><input checked="" type="checkbox"/> Non</td> <td><input type="checkbox"/> Primary</td> </tr> <tr> <td></td> <td><input type="checkbox"/> Foreign</td> <td><input type="checkbox"/> Alternate</td> </tr> <tr> <td>Key Structure:</td> <td><input type="checkbox"/> Simple</td> <td><input type="checkbox"/> Composite</td> </tr> <tr> <td>Uniqueness:</td> <td><input checked="" type="checkbox"/> Non-Unique</td> <td><input type="checkbox"/> Unique</td> </tr> <tr> <td>Null Support :</td> <td><input checked="" type="checkbox"/> Nulls Allowed</td> <td><input type="checkbox"/> No Nulls</td> </tr> <tr> <td>Values Entered By:</td> <td><input checked="" type="checkbox"/> User</td> <td><input type="checkbox"/> System</td> </tr> <tr> <td>Required Value:</td> <td><input checked="" type="checkbox"/> No</td> <td><input type="checkbox"/> Yes</td> </tr> <tr> <td colspan="3">Default Value: N/A</td> </tr> </table>	Key Type:	<input checked="" type="checkbox"/> Non	<input type="checkbox"/> Primary		<input type="checkbox"/> Foreign	<input type="checkbox"/> Alternate	Key Structure:	<input type="checkbox"/> Simple	<input type="checkbox"/> Composite	Uniqueness:	<input checked="" type="checkbox"/> Non-Unique	<input type="checkbox"/> Unique	Null Support :	<input checked="" type="checkbox"/> Nulls Allowed	<input type="checkbox"/> No Nulls	Values Entered By:	<input checked="" type="checkbox"/> User	<input type="checkbox"/> System	Required Value:	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	Default Value: N/A			Edit Rule: <input type="checkbox"/> Enter Now, Edits Allowed <input type="checkbox"/> Enter Now, Edits Not Allowed <input type="checkbox"/> Enter Later, Edits Allowed <input checked="" type="checkbox"/> Enter Later, Edits Not Allowed <input type="checkbox"/> Not Determined At This Time
Key Type:	<input checked="" type="checkbox"/> Non	<input type="checkbox"/> Primary																							
	<input type="checkbox"/> Foreign	<input type="checkbox"/> Alternate																							
Key Structure:	<input type="checkbox"/> Simple	<input type="checkbox"/> Composite																							
Uniqueness:	<input checked="" type="checkbox"/> Non-Unique	<input type="checkbox"/> Unique																							
Null Support :	<input checked="" type="checkbox"/> Nulls Allowed	<input type="checkbox"/> No Nulls																							
Values Entered By:	<input checked="" type="checkbox"/> User	<input type="checkbox"/> System																							
Required Value:	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes																							
Default Value: N/A																									
Range of Values: N/A																									
Comparisons Allowed: <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Same Field</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> <tr> <td><input type="checkbox"/> Other Fields</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> <tr> <td><input type="checkbox"/> Value Expression</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> </table>		<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=	<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=	<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=
<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
Operations Allowed: <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Same Field</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> −</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> <tr> <td><input type="checkbox"/> Other Fields</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> −</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> <tr> <td><input type="checkbox"/> Value Expression</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> −</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> </table>		<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation	<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation	<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation			
<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			
<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			
<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			

FIELD SPECIFICATIONS

Date Created: 2/8/2020

Date Modified: [Click here to enter a date.](#)

Created By: Sierra Rittue

Modified By: [Click here to enter text.](#)

General Elements

Field Name: borrow_id	Specification Type: <input type="checkbox"/> Unique <input type="checkbox"/> Generic <input checked="" type="checkbox"/> Replica
Parent Table: transactions	Source Specification: N/A
Label: Borrower ID	
Shared By: borrowers	
Alias(es): N/A	
Description: This field contains a borrower's unique identifying number.	

Physical Elements

Data Type: integer	Character Support: <input type="checkbox"/> Letters (A-Z) <input type="checkbox"/> Keyboard (.,/\$#%) <input checked="" type="checkbox"/> Numbers (0-9) <input type="checkbox"/> Special (© [®] ™£π)
Length: 4	
Decimal Places: 0	
Input Mask: #####	
Display Format: 0000	

Logical Elements

<table style="width: 100%;"> <tr> <td style="width: 30%;">Key Type:</td> <td><input type="checkbox"/> Non</td> <td><input type="checkbox"/> Primary</td> </tr> <tr> <td></td> <td><input checked="" type="checkbox"/> Foreign</td> <td><input type="checkbox"/> Alternate</td> </tr> <tr> <td>Key Structure:</td> <td><input checked="" type="checkbox"/> Simple</td> <td><input type="checkbox"/> Composite</td> </tr> <tr> <td>Uniqueness:</td> <td><input checked="" type="checkbox"/> Non-Unique</td> <td><input type="checkbox"/> Unique</td> </tr> <tr> <td>Null Support :</td> <td><input type="checkbox"/> Nulls Allowed</td> <td><input checked="" type="checkbox"/> No Nulls</td> </tr> <tr> <td>Values Entered By:</td> <td><input type="checkbox"/> User</td> <td><input checked="" type="checkbox"/> System</td> </tr> <tr> <td>Required Value:</td> <td><input type="checkbox"/> No</td> <td><input checked="" type="checkbox"/> Yes</td> </tr> <tr> <td colspan="3">Default Value: N/A</td> </tr> </table>	Key Type:	<input type="checkbox"/> Non	<input type="checkbox"/> Primary		<input checked="" type="checkbox"/> Foreign	<input type="checkbox"/> Alternate	Key Structure:	<input checked="" type="checkbox"/> Simple	<input type="checkbox"/> Composite	Uniqueness:	<input checked="" type="checkbox"/> Non-Unique	<input type="checkbox"/> Unique	Null Support :	<input type="checkbox"/> Nulls Allowed	<input checked="" type="checkbox"/> No Nulls	Values Entered By:	<input type="checkbox"/> User	<input checked="" type="checkbox"/> System	Required Value:	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	Default Value: N/A			Edit Rule: <input type="checkbox"/> Enter Now, Edits Allowed <input checked="" type="checkbox"/> Enter Now, Edits Not Allowed <input type="checkbox"/> Enter Later, Edits Allowed <input type="checkbox"/> Enter Later, Edits Not Allowed <input type="checkbox"/> Not Determined At This Time
Key Type:	<input type="checkbox"/> Non	<input type="checkbox"/> Primary																							
	<input checked="" type="checkbox"/> Foreign	<input type="checkbox"/> Alternate																							
Key Structure:	<input checked="" type="checkbox"/> Simple	<input type="checkbox"/> Composite																							
Uniqueness:	<input checked="" type="checkbox"/> Non-Unique	<input type="checkbox"/> Unique																							
Null Support :	<input type="checkbox"/> Nulls Allowed	<input checked="" type="checkbox"/> No Nulls																							
Values Entered By:	<input type="checkbox"/> User	<input checked="" type="checkbox"/> System																							
Required Value:	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes																							
Default Value: N/A																									
Range of Values: 1000 to 9999																									
Comparisons Allowed: <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Same Field</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> <tr> <td><input type="checkbox"/> Other Fields</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> <tr> <td><input type="checkbox"/> Value Expression</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> </table>		<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=	<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=	<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=
<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
Operations Allowed: <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Same Field</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> −</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> <tr> <td><input type="checkbox"/> Other Fields</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> −</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> <tr> <td><input type="checkbox"/> Value Expression</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> −</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> </table>		<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation	<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation	<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation			
<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			
<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			
<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			

FIELD SPECIFICATIONS

Date Created: 2/8/2020

Date Modified: [Click here to enter a date.](#)

Created By: Sierra Rittue

Modified By: [Click here to enter text.](#)

General Elements

Field Name: borrow_id	Specification Type: <input checked="" type="checkbox"/> Unique <input type="checkbox"/> Generic <input type="checkbox"/> Replica
Parent Table: borrowers	Source Specification: N/A
Label: Borrower ID	
Shared By: transactions	
Alias(es): N/A	
Description: This field contains a borrower's unique identifying number.	

Physical Elements

Data Type: integer	Character Support: <input type="checkbox"/> Letters (A-Z) <input type="checkbox"/> Keyboard (.,/\$#%) <input checked="" type="checkbox"/> Numbers (0-9) <input type="checkbox"/> Special (© [®] ™£π)
Length: 4	
Decimal Places: 0	
Input Mask: #####	
Display Format: 0000	

Logical Elements

<table style="width: 100%;"> <tr> <td style="width: 30%;">Key Type:</td> <td><input type="checkbox"/> Non</td> <td><input checked="" type="checkbox"/> Primary</td> </tr> <tr> <td></td> <td><input type="checkbox"/> Foreign</td> <td><input type="checkbox"/> Alternate</td> </tr> <tr> <td>Key Structure:</td> <td><input checked="" type="checkbox"/> Simple</td> <td><input type="checkbox"/> Composite</td> </tr> <tr> <td>Uniqueness:</td> <td><input type="checkbox"/> Non-Unique</td> <td><input checked="" type="checkbox"/> Unique</td> </tr> <tr> <td>Null Support :</td> <td><input type="checkbox"/> Nulls Allowed</td> <td><input checked="" type="checkbox"/> No Nulls</td> </tr> <tr> <td>Values Entered By:</td> <td><input type="checkbox"/> User</td> <td><input checked="" type="checkbox"/> System</td> </tr> <tr> <td>Required Value:</td> <td><input type="checkbox"/> No</td> <td><input checked="" type="checkbox"/> Yes</td> </tr> <tr> <td colspan="3">Default Value: N/A</td> </tr> </table>	Key Type:	<input type="checkbox"/> Non	<input checked="" type="checkbox"/> Primary		<input type="checkbox"/> Foreign	<input type="checkbox"/> Alternate	Key Structure:	<input checked="" type="checkbox"/> Simple	<input type="checkbox"/> Composite	Uniqueness:	<input type="checkbox"/> Non-Unique	<input checked="" type="checkbox"/> Unique	Null Support :	<input type="checkbox"/> Nulls Allowed	<input checked="" type="checkbox"/> No Nulls	Values Entered By:	<input type="checkbox"/> User	<input checked="" type="checkbox"/> System	Required Value:	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	Default Value: N/A			Edit Rule: <input type="checkbox"/> Enter Now, Edits Allowed <input checked="" type="checkbox"/> Enter Now, Edits Not Allowed <input type="checkbox"/> Enter Later, Edits Allowed <input type="checkbox"/> Enter Later, Edits Not Allowed <input type="checkbox"/> Not Determined At This Time
Key Type:	<input type="checkbox"/> Non	<input checked="" type="checkbox"/> Primary																							
	<input type="checkbox"/> Foreign	<input type="checkbox"/> Alternate																							
Key Structure:	<input checked="" type="checkbox"/> Simple	<input type="checkbox"/> Composite																							
Uniqueness:	<input type="checkbox"/> Non-Unique	<input checked="" type="checkbox"/> Unique																							
Null Support :	<input type="checkbox"/> Nulls Allowed	<input checked="" type="checkbox"/> No Nulls																							
Values Entered By:	<input type="checkbox"/> User	<input checked="" type="checkbox"/> System																							
Required Value:	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes																							
Default Value: N/A																									
Range of Values: 1000 to 9999																									
Comparisons Allowed: <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Same Field</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> <tr> <td><input type="checkbox"/> Other Fields</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> <tr> <td><input type="checkbox"/> Value Expression</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> </table>		<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=	<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=	<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=
<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
Operations Allowed: <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Same Field</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> −</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> <tr> <td><input type="checkbox"/> Other Fields</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> −</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> <tr> <td><input type="checkbox"/> Value Expression</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> −</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> </table>		<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation	<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation	<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation			
<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			
<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			
<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			

FIELD SPECIFICATIONS

Date Created: 2/8/2020

Date Modified: [Click here to enter a date.](#)

Created By: Sierra Rittue

Modified By: [Click here to enter text.](#)

General Elements

Field Name: firstname	Specification Type: <input checked="" type="checkbox"/> Unique <input type="checkbox"/> Generic <input type="checkbox"/> Replica
Parent Table: borrowers	Source Specification: Click here to enter text.
Label: First Name	
Shared By: N/A	
Alias(es): N/A	
Description: The borrower's first name.	

Physical Elements

Data Type: varchar	Character Support: <input checked="" type="checkbox"/> Letters (A-Z) <input checked="" type="checkbox"/> Keyboard (.,/\$#%) <input type="checkbox"/> Numbers (0-9) <input checked="" type="checkbox"/> Special (© [®] ™£π)
Length: 30	
Decimal Places: 0	
Input Mask: XXXXX	
Display Format: As entered.	

Logical Elements

<table style="width: 100%;"> <tr> <td style="width: 30%;">Key Type:</td> <td><input checked="" type="checkbox"/> Non</td> <td><input type="checkbox"/> Primary</td> </tr> <tr> <td></td> <td><input type="checkbox"/> Foreign</td> <td><input type="checkbox"/> Alternate</td> </tr> <tr> <td>Key Structure:</td> <td><input type="checkbox"/> Simple</td> <td><input type="checkbox"/> Composite</td> </tr> <tr> <td>Uniqueness:</td> <td><input checked="" type="checkbox"/> Non-Unique</td> <td><input type="checkbox"/> Unique</td> </tr> <tr> <td>Null Support :</td> <td><input checked="" type="checkbox"/> Nulls Allowed</td> <td><input type="checkbox"/> No Nulls</td> </tr> <tr> <td>Values Entered By:</td> <td><input checked="" type="checkbox"/> User</td> <td><input type="checkbox"/> System</td> </tr> <tr> <td>Required Value:</td> <td><input checked="" type="checkbox"/> No</td> <td><input type="checkbox"/> Yes</td> </tr> <tr> <td colspan="3">Default Value: N/A</td> </tr> </table>	Key Type:	<input checked="" type="checkbox"/> Non	<input type="checkbox"/> Primary		<input type="checkbox"/> Foreign	<input type="checkbox"/> Alternate	Key Structure:	<input type="checkbox"/> Simple	<input type="checkbox"/> Composite	Uniqueness:	<input checked="" type="checkbox"/> Non-Unique	<input type="checkbox"/> Unique	Null Support :	<input checked="" type="checkbox"/> Nulls Allowed	<input type="checkbox"/> No Nulls	Values Entered By:	<input checked="" type="checkbox"/> User	<input type="checkbox"/> System	Required Value:	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	Default Value: N/A			Edit Rule: <input checked="" type="checkbox"/> Enter Now, Edits Allowed <input type="checkbox"/> Enter Now, Edits Not Allowed <input type="checkbox"/> Enter Later, Edits Allowed <input type="checkbox"/> Enter Later, Edits Not Allowed <input type="checkbox"/> Not Determined At This Time
Key Type:	<input checked="" type="checkbox"/> Non	<input type="checkbox"/> Primary																							
	<input type="checkbox"/> Foreign	<input type="checkbox"/> Alternate																							
Key Structure:	<input type="checkbox"/> Simple	<input type="checkbox"/> Composite																							
Uniqueness:	<input checked="" type="checkbox"/> Non-Unique	<input type="checkbox"/> Unique																							
Null Support :	<input checked="" type="checkbox"/> Nulls Allowed	<input type="checkbox"/> No Nulls																							
Values Entered By:	<input checked="" type="checkbox"/> User	<input type="checkbox"/> System																							
Required Value:	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes																							
Default Value: N/A																									
Range of Values: N/A																									
Comparisons Allowed: <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Same Field</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> <tr> <td><input type="checkbox"/> Other Fields</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> <tr> <td><input type="checkbox"/> Value Expression</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> </table>		<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=	<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=	<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=
<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
Operations Allowed: <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Same Field</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> −</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> <tr> <td><input type="checkbox"/> Other Fields</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> −</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> <tr> <td><input type="checkbox"/> Value Expression</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> −</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> </table>		<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation	<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation	<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation			
<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			
<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			
<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			

FIELD SPECIFICATIONS

Date Created: 2/8/2020

Date Modified: [Click here to enter a date.](#)

Created By: Sierra Rittue

Modified By: [Click here to enter text.](#)

General Elements

Field Name: lastname	Specification Type: <input checked="" type="checkbox"/> Unique <input type="checkbox"/> Generic <input type="checkbox"/> Replica
Parent Table: borrowers	Source Specification: Click here to enter text.
Label: Last Name	
Shared By: N/A	
Alias(es): N/A	
Description: The borrower's last name.	

Physical Elements

Data Type: varchar	Character Support: <input checked="" type="checkbox"/> Letters (A-Z) <input checked="" type="checkbox"/> Keyboard (.,/\$#%) <input type="checkbox"/> Numbers (0-9) <input checked="" type="checkbox"/> Special (© [®] ™£π)
Length: 50	
Decimal Places: 0	
Input Mask: XXXX	
Display Format: As entered.	

Logical Elements

<table style="width: 100%;"> <tr> <td style="width: 30%;">Key Type:</td> <td><input checked="" type="checkbox"/> Non</td> <td><input type="checkbox"/> Primary</td> </tr> <tr> <td></td> <td><input type="checkbox"/> Foreign</td> <td><input type="checkbox"/> Alternate</td> </tr> <tr> <td>Key Structure:</td> <td><input type="checkbox"/> Simple</td> <td><input type="checkbox"/> Composite</td> </tr> <tr> <td>Uniqueness:</td> <td><input checked="" type="checkbox"/> Non-Unique</td> <td><input type="checkbox"/> Unique</td> </tr> <tr> <td>Null Support :</td> <td><input checked="" type="checkbox"/> Nulls Allowed</td> <td><input type="checkbox"/> No Nulls</td> </tr> <tr> <td>Values Entered By:</td> <td><input checked="" type="checkbox"/> User</td> <td><input type="checkbox"/> System</td> </tr> <tr> <td>Required Value:</td> <td><input checked="" type="checkbox"/> No</td> <td><input type="checkbox"/> Yes</td> </tr> <tr> <td colspan="3">Default Value: N/A</td> </tr> </table>	Key Type:	<input checked="" type="checkbox"/> Non	<input type="checkbox"/> Primary		<input type="checkbox"/> Foreign	<input type="checkbox"/> Alternate	Key Structure:	<input type="checkbox"/> Simple	<input type="checkbox"/> Composite	Uniqueness:	<input checked="" type="checkbox"/> Non-Unique	<input type="checkbox"/> Unique	Null Support :	<input checked="" type="checkbox"/> Nulls Allowed	<input type="checkbox"/> No Nulls	Values Entered By:	<input checked="" type="checkbox"/> User	<input type="checkbox"/> System	Required Value:	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	Default Value: N/A			Edit Rule: <input checked="" type="checkbox"/> Enter Now, Edits Allowed <input type="checkbox"/> Enter Now, Edits Not Allowed <input type="checkbox"/> Enter Later, Edits Allowed <input type="checkbox"/> Enter Later, Edits Not Allowed <input type="checkbox"/> Not Determined At This Time
Key Type:	<input checked="" type="checkbox"/> Non	<input type="checkbox"/> Primary																							
	<input type="checkbox"/> Foreign	<input type="checkbox"/> Alternate																							
Key Structure:	<input type="checkbox"/> Simple	<input type="checkbox"/> Composite																							
Uniqueness:	<input checked="" type="checkbox"/> Non-Unique	<input type="checkbox"/> Unique																							
Null Support :	<input checked="" type="checkbox"/> Nulls Allowed	<input type="checkbox"/> No Nulls																							
Values Entered By:	<input checked="" type="checkbox"/> User	<input type="checkbox"/> System																							
Required Value:	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes																							
Default Value: N/A																									
Range of Values: N/A																									
Comparisons Allowed: <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Same Field</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> <tr> <td><input type="checkbox"/> Other Fields</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> <tr> <td><input type="checkbox"/> Value Expression</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> </table>		<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=	<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=	<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=
<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
Operations Allowed: <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Same Field</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> −</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> <tr> <td><input type="checkbox"/> Other Fields</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> −</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> <tr> <td><input type="checkbox"/> Value Expression</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> −</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> </table>		<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation	<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation	<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation			
<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			
<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			
<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			

FIELD SPECIFICATIONS

Date Created: 2/8/2020

Date Modified: [Click here to enter a date.](#)

Created By: Sierra Rittue

Modified By: [Click here to enter text.](#)

General Elements

Field Name: phone	Specification Type: <input checked="" type="checkbox"/> Unique <input type="checkbox"/> Generic <input type="checkbox"/> Replica
Parent Table: borrowers	Source Specification: N/A
Label: Phone Number	
Shared By: N/A	
Alias(es): N/A	
Description: This field contains a borrower's phone number.	

Physical Elements

Data Type: numeric	Character Support: <input type="checkbox"/> Letters (A-Z) <input type="checkbox"/> Keyboard (.,/\$#%) <input checked="" type="checkbox"/> Numbers (0-9) <input type="checkbox"/> Special (© [®] ™£π)
Length: 12	
Decimal Places: 0	
Input Mask: #####	
Display Format: ###-###-####	

Logical Elements

<table style="width: 100%;"> <tr> <td style="width: 30%;">Key Type:</td> <td><input checked="" type="checkbox"/> Non <input type="checkbox"/> Primary</td> </tr> <tr> <td></td> <td><input type="checkbox"/> Foreign <input type="checkbox"/> Alternate</td> </tr> <tr> <td>Key Structure:</td> <td><input type="checkbox"/> Simple <input type="checkbox"/> Composite</td> </tr> <tr> <td>Uniqueness:</td> <td><input checked="" type="checkbox"/> Non-Unique <input type="checkbox"/> Unique</td> </tr> <tr> <td>Null Support :</td> <td><input checked="" type="checkbox"/> Nulls Allowed <input type="checkbox"/> No Nulls</td> </tr> <tr> <td>Values Entered By:</td> <td><input checked="" type="checkbox"/> User <input type="checkbox"/> System</td> </tr> <tr> <td>Required Value:</td> <td><input checked="" type="checkbox"/> No <input type="checkbox"/> Yes</td> </tr> <tr> <td colspan="2">Default Value: N/A</td> </tr> </table>	Key Type:	<input checked="" type="checkbox"/> Non <input type="checkbox"/> Primary		<input type="checkbox"/> Foreign <input type="checkbox"/> Alternate	Key Structure:	<input type="checkbox"/> Simple <input type="checkbox"/> Composite	Uniqueness:	<input checked="" type="checkbox"/> Non-Unique <input type="checkbox"/> Unique	Null Support :	<input checked="" type="checkbox"/> Nulls Allowed <input type="checkbox"/> No Nulls	Values Entered By:	<input checked="" type="checkbox"/> User <input type="checkbox"/> System	Required Value:	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	Default Value: N/A		Edit Rule: <input checked="" type="checkbox"/> Enter Now, Edits Allowed <input type="checkbox"/> Enter Now, Edits Not Allowed <input type="checkbox"/> Enter Later, Edits Allowed <input type="checkbox"/> Enter Later, Edits Not Allowed <input type="checkbox"/> Not Determined At This Time								
Key Type:	<input checked="" type="checkbox"/> Non <input type="checkbox"/> Primary																								
	<input type="checkbox"/> Foreign <input type="checkbox"/> Alternate																								
Key Structure:	<input type="checkbox"/> Simple <input type="checkbox"/> Composite																								
Uniqueness:	<input checked="" type="checkbox"/> Non-Unique <input type="checkbox"/> Unique																								
Null Support :	<input checked="" type="checkbox"/> Nulls Allowed <input type="checkbox"/> No Nulls																								
Values Entered By:	<input checked="" type="checkbox"/> User <input type="checkbox"/> System																								
Required Value:	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes																								
Default Value: N/A																									
Range of Values: N/A																									
Comparisons Allowed: <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Same Field</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> <tr> <td><input type="checkbox"/> Other Fields</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> <tr> <td><input type="checkbox"/> Value Expression</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> =</td> <td><input type="checkbox"/> ></td> <td><input type="checkbox"/> >=</td> <td><input type="checkbox"/> ≠</td> <td><input type="checkbox"/> <</td> <td><input type="checkbox"/> <=</td> </tr> </table>		<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=	<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=	<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=
<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >	<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=																		
Operations Allowed: <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Same Field</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> −</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> <tr> <td><input type="checkbox"/> Other Fields</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> −</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> <tr> <td><input type="checkbox"/> Value Expression</td> <td><input type="checkbox"/> All</td> <td><input type="checkbox"/> +</td> <td><input type="checkbox"/> −</td> <td><input type="checkbox"/> x</td> <td><input type="checkbox"/> ÷</td> <td><input type="checkbox"/> Concatenation</td> </tr> </table>		<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation	<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation	<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation			
<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			
<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			
<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> +	<input type="checkbox"/> −	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation																			

PHP & HTML

Search Page – rclsearchpage.php

```
<form id="search-form" name="search" method="POST" action="rclsearch.php">
  <table border="5" cellspacing="10" cellpadding="5">
    <tr>
      <th><h3>Collection Type:</h3></th></tr>
      <br />
      <tr><td><input type="radio" id="radio" name="collection" value="books">Books</td></tr>
      <tr><td><input type="radio" id="radio" name="collection" value="music">Music</td></tr>
      <br />
      <tr><td><input type="text" name="search" placeholder="Search"></td></tr>
      <br />
      <tr><td><center><button type="submit" name="submit-
search">Search</button></center></td></tr>
    </form>
  </table>
```

Search Results – rclsearch.php

```
<?php

$sql = "SELECT count(*) AS count FROM collection";

$result = mysqli_query($con,$sql)
or die('Error: ' . mysql_error());

$row = mysqli_fetch_assoc($result);
if ( $row['count']==0 )
{
  die ("Sorry, we could not complete your search");
}

$collection = $_POST['collection'];
$search = mysqli_real_escape_string($con, $_POST['search']);

//this query identifies all titles in our collection and then compares the title and first and last
names to the search term

$sql = "SELECT c.collection_id, b.booktitle, b.authorlast, b.authorfirst, b.bookgenre,
m.musictitle, m.composerlast, m.composerfirst, m.musicgenre
FROM collection AS c
LEFT OUTER JOIN books AS b ON b.book_id = c.book_id
```



```

LEFT OUTER JOIN music AS m ON m.music_id = c.music_id
WHERE b.booktitle LIKE '%$search%'
    OR b.authorlast LIKE '%$search%'
    OR b.authorfirst LIKE '%$search%'
    OR b.bookgenre LIKE '%$search%'
    OR m.musictitle LIKE '%$search%'
    OR m.composerlast LIKE '%$search%'
    OR m.composerfirst LIKE '%$search%'
    OR m.musicgenre LIKE '%$search%'
GROUP BY c.collection_id;";

```

```
$result = mysqli_query($con,$sql);
```

```
//this query pulls in the search results based on the collection type selected
```

```

if (isset($_POST['submit-search'])) {
    $search = mysqli_real_escape_string($con, $_POST['search']);

    if ($_POST['collection'] == 'books') {

        $result = mysqli_query($con,$sql);
        $queryResult = mysqli_num_rows($result);

        if ($queryResult > 0) {
            while ($row = mysqli_fetch_assoc($result)) {
                echo "<center><div class='results-box'>
                    <h2>".$row['booktitle']."</h2>
                    <p>".$row['authorfirst']." ".$row['authorlast']."</p>
                    <p>".$row['bookgenre']."</p>
                </div></center>";
            }
        }
        if ($queryResult = 0) {
            while ($row = mysqli_fetch_assoc($result)) {
                echo "<center>Sorry, no items in our book collection match your search.</center>";
            }
        }
    }
    if ($_POST['collection'] == 'music') {

        $result = mysqli_query($con,$sql);
        $queryResult = mysqli_num_rows($result);

        if ($queryResult > 0) {
            while ($row = mysqli_fetch_assoc($result)) {
                echo "<center><div class='results-box'>

```

```

        <h2>".$row['musictitle']. "</h2>
        <p>".$row['composerfirst']. " ".$row['composerlast']. "</p>
        <p>".$row['musicgenre']. "</p>
    </div></center>";
}
}

if ($queryResult = 0) {
    while ($row = mysqli_fetch_assoc($result)) {
        echo "<center>Sorry, no items in our music collection match your search.</center>";
    }
}
}
}
}

//mysqli_close($con);
?>

```

Register Form – rclregister.php

```

<form action="registersuccess.php" method="post">

    First Name: <input type="text" name="firstname" />
    Last Name: <input type="text" name="lastname" />
    Phone Number: <input type="text" name="phone" />
    <div class="submit">
        <p>
            <input type="submit" name="button" value="Register"
id="submit" class="collapsible"/>
        </p>
    </div>

</form>

```

Register Success PHP Insert – registersuccess.php

```

<?php

$firstname = mysqli_real_escape_string($con, $_POST['firstname']);
$lastname = mysqli_real_escape_string($con, $_POST['lastname']);
$phone = mysqli_real_escape_string($con, $_POST['phone']);

$sql = "INSERT INTO borrowers (firstname, lastname, phone)
VALUES ('$firstname', '$lastname', '$phone')";

```

```

;

mysqli_query($con,$sql)
or die('Error: Could not execute.' . mysql_error());

$register = "SELECT borrow_id FROM borrowers
  WHERE firstname = '$firstname'
  AND lastname = '$lastname'
  AND phone = '$phone'"
;

$result = mysqli_query($con, $register);
$queryResult = mysqli_num_rows($result);

if ($queryResult > 0) {
  while ($row = mysqli_fetch_assoc($result)) {
    echo "<center><p>Thank you for registering! Your information has been added to our patron
list</p>";
    echo "<p>Your Borrower ID is " . $row['borrow_id'] . ".</center></p>";
  }
}

mysqli_close($con);

?>

```

Update Phone Number Form – rclregister.php

```

<form action="rclupdate.php" method="post">
  Borrower ID: <input type="text" name="borrow_id" />
  <br />
  First Name: <input type="text" name="firstname" />
  Last Name: <input type="text" name="lastname" />
  Phone Number: <input type="text" name="phone" />
  <br />
  NEW Phone Number: <input type="text" name="newphone" />
  <div class="submit">
    <p>
      <input type="submit" name="button" value="Update" id="submit" class="collapsible"/>
    </p>
  </div>

</form>

```

Update Phone Number – rclupdate.php

```
<?php

$borrowid = mysqli_real_escape_string($con, $_POST['borrow_id']);
$newphone = mysqli_real_escape_string($con, $_POST['newphone']);

$sql = "UPDATE borrowers SET phone = '$newphone'
      WHERE borrow_id = '$borrowid';"
;

mysqli_query($con,$sql)
or die('Error: Could not execute.' . mysql_error());

echo "<center>Thank you for updating your phone number! Your patron information has been
updated.</center>";

mysqli_close($con);

?>
```

Unsubscribe Borrower Form – rclregister.php

```
<form action="rclremove.php" method="post">
  Borrower ID: <input type="text" name="borrower_id" />
  <br />
  <div class="submit">
    <p>
      <input type="submit" name="unsubscribe" value="Unsubscribe" id="submit"
class="collapsible"/>
    </p>
  </div>

</form>
```

Unsubscribe Borrower Success – rclremove.php

```
<?php

if (isset($_POST['unsubscribe'])) {

$borrowerid = mysqli_real_escape_string($con, $_POST['borrower_id']);

$sql = "DELETE FROM borrowers
      WHERE borrow_id = '$borrowerid';"
```

```
;
```

```
mysqli_query($con,$sql)  
or die('Error: Could not execute.' . mysql_error());
```

```
echo "<center>You have successfully been removed from our patron list. Best  
wishes!</center>";  
}
```

```
mysqli_close($con);
```

```
?>
```

LINK TO SCREENCAST:

https://youtu.be/DjEOG_q_mj8