

Table Schema

```

GENRE (
    genreID CHAR(3),
    genreName VARCHAR(255)
)
PK: genreID
-----
BOOKMARK (
    bookmarkID INTEGER,
    artDesc VARCHAR(255)
)
PK: bookmarkID
-----
CUSTOMER (
    customerID INTEGER,
    customerFName
    VARCHAR(255),
    customerLName
    VARCHAR(255),
    customerNumber CHAR(10)
)
PK: customerID
-----
STAFF (
    yearHired YEAR,
    orderHired INTEGER,
    staffFName VARCHAR(255),
    staffLName VARCHAR(255),
    staffNumber CHAR(10),
    salary DECIMAL(8,2)
)
PK: (yearHired, orderHired)
-----

```

```

CATALOG (
    ISBN_13 CHAR(13),
    title VARCHAR(255),
    authorFName
    VARCHAR(255),
    authorLName
    VARCHAR(255),
    publisher VARCHAR(255),
    pageCount INTEGER,
    genreID CHAR(3)
)
PK: ISBN_13
FK: genreID → GENRE(genreID)
-----
BOOKINVENTORY (
    bookInvID INTEGER,
    isNew BOOLEAN,
    bookDesc VARCHAR(255),
    price DECIMAL(8,2),
    bookmarkID INTEGER,
    ISBN_13 CHAR(13)
)
PK: bookInvID
FK: bookmarkID →
    BOOKMARK(bookmarkID)
FK: ISBN_13 → CATALOG(ISBN_13)
-----
READINGGROUP (
    groupName VARCHAR(255),
    genreID CHAR(3)
)
PK: groupName
FK: genreID → GENRE(genreID)
-----

```

PURCHASE (

purchaseID INTEGER,
timeOfSale TIME,
dateOfSale DATE,
customerID INTEGER,
yearHired YEAR,
orderHired INTEGER

)

PK: purchaseID

FK: customerID → CUSTOMER(customerID)

FK: (yearHired, orderHired) → STAFF(yearHired, orderHired)

CUSTOMERREADINGGROUP (

customerID INTEGER,
groupName VARCHAR(255),

)

PK: (customerID, groupName)

FK: customerID → CUSTOMER(customerID)

FK: groupName → READINGGROUP(groupName)

BOOKINVPURCHASE (

bookInvID INTEGER,
purchaseID INTEGER,

)

PK: (bookInvID, purchaseID)

FK: purchaseID → PURCHASE(purchaseID)

FK: bookInvID → BOOKINVENTORY(inventoryID)

Functional Dependencies

GENRE

genreID \rightarrow genreName

BOOKMARK

bookmarkID \rightarrow artDesc

CUSTOMER

customerID \rightarrow customerFName, customerLName, customerNumber

STAFF

(yearHired, orderHired) \rightarrow staffFName, staffLName, staffNumber, salary

CATALOG

ISBN_13 \rightarrow title, authorFName, authorLName, publisher, pageCount, genreID

BOOKINVENTORY

bookInvID \rightarrow isNew, bookDesc, price, bookmarkID, ISBN_13

READINGGROUP

groupName \rightarrow genreID

PURCHASE

purchaseID \rightarrow timeOfSale, dateOfSale, customerID, yearHired, orderHired

CUSTOMERREADINGGROUP

(customerID, groupName) \rightarrow (customerID, groupName)

BOOKINVPURCHASE

(bookInvID, purchaseID) \rightarrow (bookInvID, purchaseID)