KİTAPÇI VERİTABANI TASARIMI VE WEB ARAYÜZ

BİLAL LATİF OZDEMİR

2014285037

AUTHOR

CUSTOMER

TOWN

TYPE

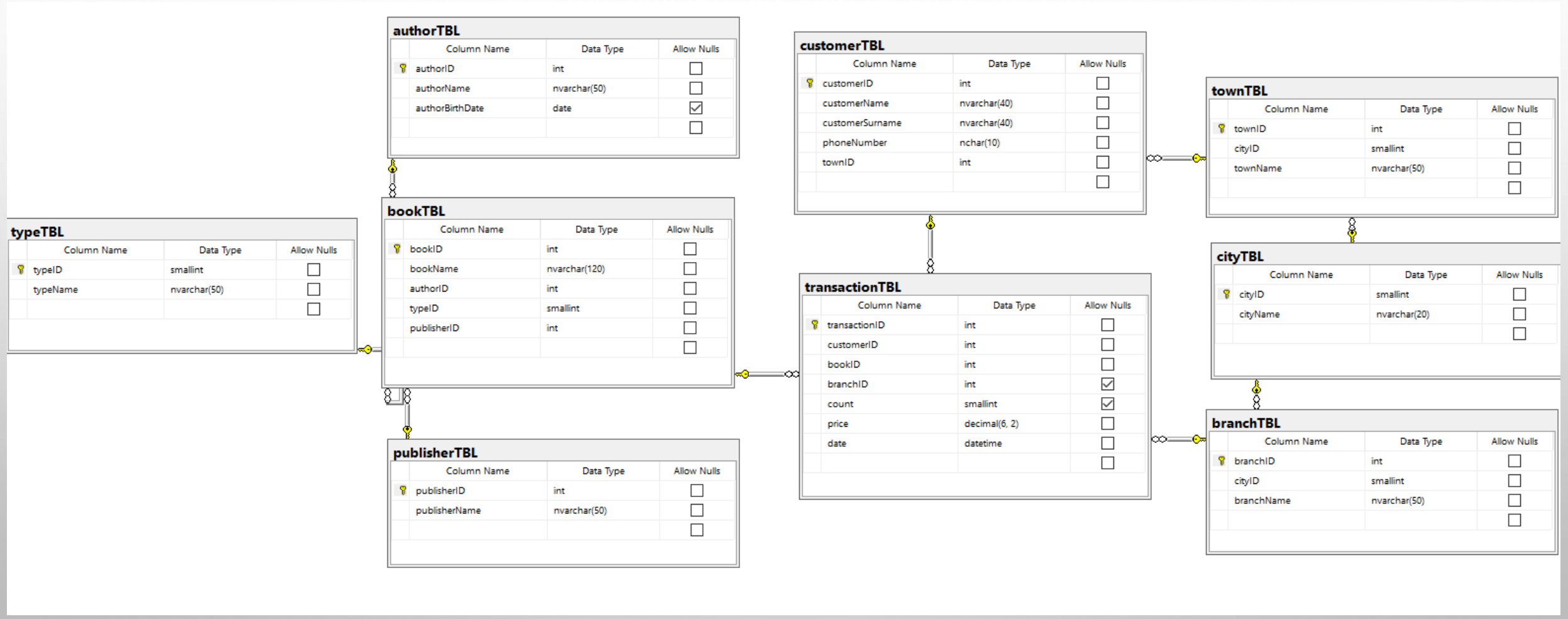
BOOK

TRANSACTION

CITY

PUBLISHER

BRANCH


authorTBL
Column Name
Data Type
Allow Nulls
authorID
int
authorName
nvarchar(50)
authorBirthDate
date
customerTBL
customerID
int
customerName
nvarchar(40)
customerSurname
nvarchar(40)
phoneNumber
nchar(10)
townID
int
townTBL
townID
int
cityID
smallint
townName
nvarchar(50)
typeTBL
typeID
smallint
typeName
nvarchar(50)
bookTBL
bookID
int
bookName
nvarchar(120)
authorID
int
typeID
smallint
publisherID
int
transactionTBL
transactionID
int
customerID
int
bookID
int
branchID
int
count
smallint
price
decimal(6, 2)
date
datetime
cityTBL
cityID
smallint
cityName
nvarchar(20)
publisherTBL
publisherID
int
publisherName
nvarchar(50)
branchTBL
branchID
int
cityID
smallint
branchName
nvarchar(50)

Price > 0

UNIQUE
bookName
authorID
publisherID

UNIQUE
customerName
phoNumber

phoneNumber
10char with [0-9]

Results | Message

	query	id
1	ALTER TABLE bookTBL ADD CONSTRAINT bookName_authorID_publisherID_uq UNIQUE(bookName, authorID, publisherID)	1
2	ALTER TABLE authorTBL ADD CONSTRAINT authorName_uq UNIQUE(authorName)	2
3	ALTER TABLE branchTBL DD CONSTRAINT cityID_branchName_uq UNIQUE(cityID, branchName)	3
4	ALTER TABLE customerTBL ADD CONSTRAINT customerName_phoneNumber_uq UNIQUE(customerName, phoneNumber)	4
5	ALTER TABLE townTBL ADD CONSTRAINT cityID_townName_uq UNIQUE(cityID, townName)	5
6	ALTER TABLE typeTBL ADD CONSTRAINT typeName_uq UNIQUE(typeName)	6
7	ALTER TABLE transactionTBL ADD CONSTRAINT positivePrice_PZ CHECK (price > 0);	7
8	ALTER TABLE customerTBL ADD CONSTRAINT chk_phoneNumber CHECK (phoneNumber like '[0-9][0-9][0-9][0-9][0-9][0-9][0-9][0-9][0-9][0-9]')	102

Bilal's Bookstore

Sell books, search, check, follow and write queries.

- Transactions
- Books
- Customers
- Others
- Summary

Make a Sale

Search By | Customer | Branch Name

Search By | Choose true customer | Branch

Author | Book Name | Number | Price

Author of the B... | Name of the Bo... | Count of Book | digit

Sale

Delete a Transaction

Transaction ID

Deletion

date	transactionID	customerName	bookName	price

Delete Transaction

Previous Transactions

date	transactionID	customerName	bookName	branchName	count	price
23-06-2021 22:57:18	1503	BILAL LATIF	FUREYA	LIMON	4	251
19-06-2021					3	5
19-06-2021					4	5
19-06-2021					1	10.55
19-06-2021					7	4.3
19-06-2021					1	7.4
19-06-2021					6	10.55
19-06-2021					3	12.3
19-06-2021					9	7.4
19-06-2021					1	10.55

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```
def transactionList1():
    conn = conn_()
    sqlQuery = """SELECT transactionTBL.transactionID, transactionTBL.date AS [date],
        CUSTOMERTBL.customerName, BOOKTBL.bookName,BRANCHTBL.branchName,
        transactionTBL.count, transactionTBL.price from transactionTBL
            INNER JOIN CUSTOMERTBL ON transactionTBL.customerID=CUSTOMERTBL.customerID
            INNER JOIN BOOKTBL ON transactionTBL.bookID=BOOKTBL.bookID
            INNER JOIN BRANCHTBL ON transactionTBL.branchID=BRANCHTBL.branchID
        ORDER BY transactionTBL.date DESC"""
    df = pd.read_sql(sqlQuery, conn)
    conn.close()
    if (df.shape[0] > 0):
        df['date'] = [i.strftime("%d-%m-%Y %H:%M:%S") for i in df['date']]
    return df
```

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Search By

Criteria

Search Book

Key-word

Search

bookID	bookName	authorName	typeID	publisherName
7228	IT	STEPHEN KING	4	ZHU
7227	NAIL ART - TIRNAK SANATI	HELENA BIGGS	20	ZHU
7226	ACILE TEK GIDEN	ZEYNEP TUGCE KARADAG	26	ABAKUS
7225	HACIVAT KARAGOZ - KORECE SECME HIKAYELER	ZEYNEP USTUN	20	ALFA
7224	YAKUP KADRI KARAOSMANOGLU	NIYAZI AKI	6	ZHU
7223	DEVLET AKLI KISKACINDA HUKUK DEVLETI	MITHAT SANCAR	11	ABAKUS
				IS BANKASI YAYINLARI
				KUAN

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```
def tumKitaplar():
    conn = conn_()

    sqlQuery = f"""SELECT BOOKTBL.bookID, BOOKTBL.bookName, AUTHORTBL.authorName as [authorName],
                          BOOKTBL.typeID, publisherTBL.publisherName FROM BOOKTBL
        INNER JOIN AUTHORTBL
             ON AUTHORTBL.AUTHORID=BOOKTBL.AUTHORID
                INNER JOIN publisherTBL
               ON BOOKTBL.publisherID=publisherTBL.publisherID
               ORDER BY BOOKTBL.bookID DESC"""

    df = pd.read_sql(sqlQuery, conn)
    conn.close()
    return df
```

Create Ne

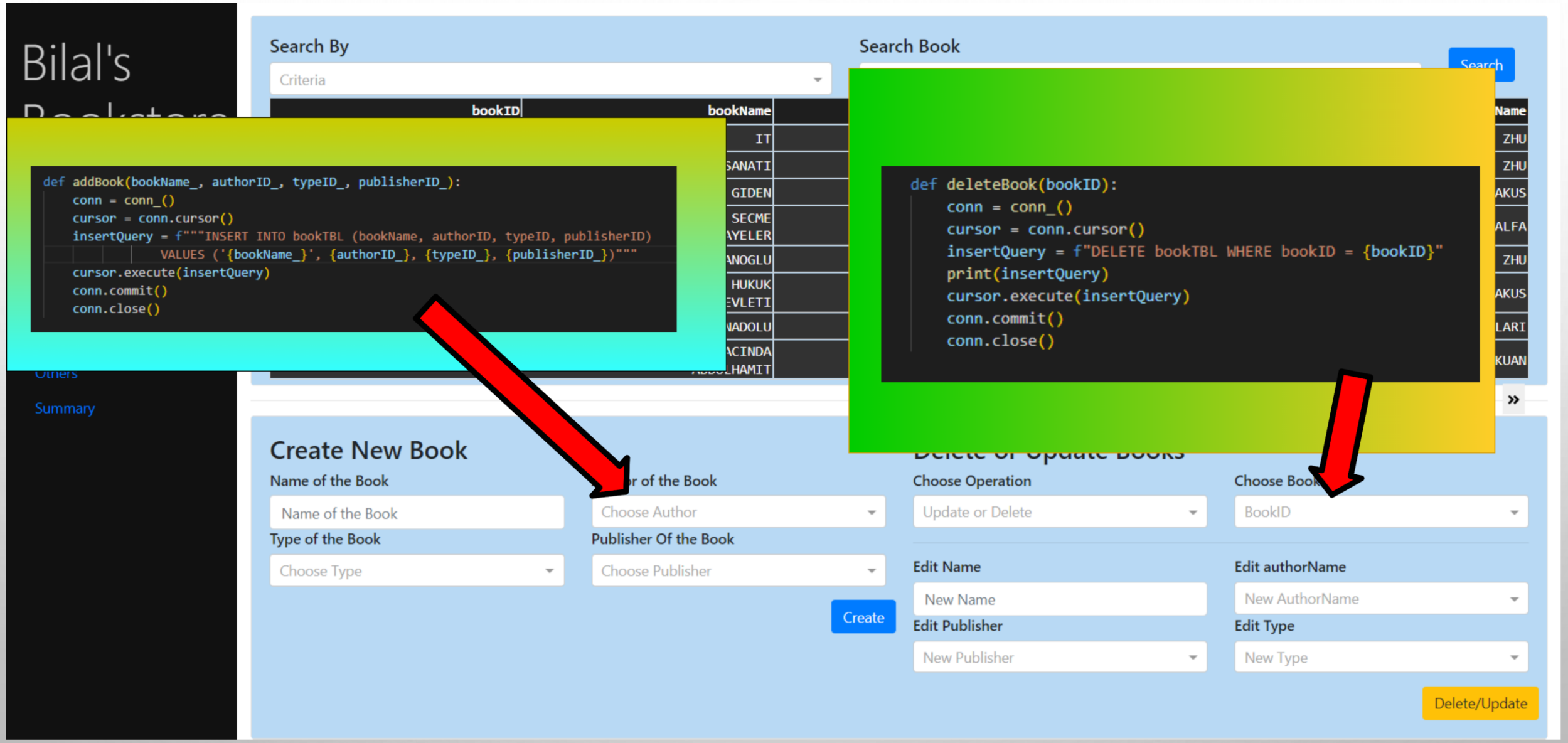
Name of the Boo

Name of the B

Type of the Bool

Choose Type

Delete/Update


Bilal's
Search By
Criteria
Search Book
Search
bookID
bookName
Others
Summary
def addBook(bookName_, authorID_, typeID_, publisherID_):
conn = conn_()
cursor = conn.cursor()
insertQuery = f"""INSERT INTO bookTBL (bookName, authorID, typeID, publisherID)
VALUES ('{bookName_}', {authorID_}, {typeID_}, {publisherID_})"""
cursor.execute(insertQuery)
conn.commit()
conn.close()
def deleteBook(bookID):
conn = conn_()
cursor = conn.cursor()
insertQuery = f"DELETE bookTBL WHERE bookID = {bookID}"
print(insertQuery)
cursor.execute(insertQuery)
conn.commit()
conn.close()
Create New Book
Name of the Book
Name of the Book
Choose Author
Type of the Book
Choose Type
Publisher Of the Book
Choose Publisher
Create
Choose Operation
Update or Delete
BookID
Edit Name
New Name
Edit authorName
New AuthorName
Edit Publisher
New Publisher
Edit Type
New Type
Delete/Update

Bilal's Bookstore

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