**IMPORT\_EXPORT\_FORM**(form\_id, timestamp, type, employee\_id, branch\_id)

Reference:

employee\_id -> Employee.account\_id

branch -> Branch.branch\_id

Data type:

form\_id: INT primary KEY

timestamp: Date

type: ENUM(‘Import’, ‘Export’)

employee\_id: INT

branch\_id: int

**BOOK\_IN\_FORM**(form\_id, ISBN,quantity)

Reference:

form\_id: Entry\_exit\_form.form\_id

ISBN: Book.ISBN

Data type:

form\_id:INT

ISBN: **ISBN\_TYPE**

quantity: integer

**RATING**(rating\_id, rating\_points, timestamp, status, comment, ISBN, account\_id)

Reference:

ISBN -> **Book**.ISBN

account\_id -> **Customer**.account\_id

Data type:

rating\_id: INT

rating\_points: integer

timestamp: Date

status: ENUM(‘pending approval’, ‘approved’, ‘hidden’)

comment: VARCHAR(255)

ISBN: **ISBN\_TYPE**

account\_id: INT

**RATING\_IMAGE(**rating\_id, img\_link**)**

Reference:

rating\_id -> **Rating.**rating\_id

Data type:

rating\_id: INT

img\_link: VARCHAR(255)

**DELIVERY\_ADDRESS(**account\_id, address\_id, house\_number, street, ward, city, phone\_number, Fname, Lname**)**

Reference:

account\_id -> **Customer**.account\_id

Data type:

account\_id INT

address\_id integer

house\_number VARCHAR(20)

street VARCHAR(255)

ward VARCHAR(255)

city VARCHAR(255)

phone\_number **VARCHAR(13)**

Fname VARCHAR(50)

Lname VARCHAR(50)

**REFUND\_REQUEST(**order\_id, request\_id, status, timestamp, return\_reason, account\_id, img\_link**)**

Reference:

order\_id -> **Orders**.order\_id

account\_id -> **Employee**.account\_id

Data type:

order\_id INT primary key

request\_id INT primary key

status ENUM(‘pending’,’processing’, ‘approved’, ‘refuse’)

timestamp DATE

return\_reason VARCHAR(255)

account\_id INT

img\_link VARCHAR(255)

**VOUCHER(**voucher\_id, start\_date, end\_date, account\_id, discount\_rate\_flag, discount\_rate, discount\_amount\_flag, discount\_amount, freeship\_flag**)**

Reference

account\_id -> Employee.account\_id

Data type:

voucher\_id VARCHAR(255)

start\_date DATE

end\_date DATE

account\_id INT

discount\_rate\_flag BOOL

discount\_rate INT UNSIGNED

discount\_amount\_flag BOOL

discount\_amount INTEGER

freeship\_flag BOOL

**USED\_VOUCHER(**order\_id, voucher\_id**)**

Reference:

voucher\_id -> VOUCHER.voucher\_id

order\_id -> ORDERs.order\_id

Data type:

order\_id INT primary key

voucher\_id VARCHAR(255)

**PUBLISHER(**publisher\_id, publisher\_name**)**

Data type:

publisher\_id INT AUTOINCRE

publisher\_name VARCHAR(255)

**AUTHOR(**author\_id, author\_name**)**

Data type:

author\_id INT

author\_name VARCHAR(255)

**WRITE\_BOOK**(author\_id, ISBN)

Reference:

author\_id -> AUTHOR.author\_id

Data type:

author\_id INT primary key

ISBN **VARCHAR(13) primary key**

**CATEGORY(**category\_id, category\_name**)**

Data type:

category\_id INT autoincrement primary key

category\_name VARCHAR(255)

**BELONG\_TO\_CATEGORY**(category\_id, ISBN)

Reference:

category\_id -> CATEGORY.category\_id

Data type:

category\_id INT primary key

ISBN VARCHAR(13)primary key

**BRANCH(**branch\_id, branch\_name, number\_address, street, ward, city, phone\_number**)**

branch\_id INT

branch\_name VARCHAR(255)

number\_address VARCHAR(20)

street VARCHAR(255)

ward VARCHAR(50)

district VARCHAR(50)

city VARCHAR(50)

phone\_number **VARCHAR(15)**

**BOOK\_BELONG\_TO\_BRANCH(**branch\_id, ISBN, quantity**)**

Reference:

branch\_id -> BRANCH.branch\_id

ISBN -> BOOK.ISBN

Data type:

branch\_id INT primary key

ISBN **VARCHAR(13)primary key**

quantity INT

**EMPLOYEE\_BELONG\_TO\_BRANCH(**branch\_id, employee\_id, start\_date**)**

Reference:

branch\_id -> BRANCH.branch\_id

employee\_id -> EMPLOYEE.account\_id

Data type:

branch\_id INT primary key

employee\_id INT primary key

start\_date DATE

**BELONG\_TO\_ORDER(**order\_id, ISBN, quantity, price**)**

Reference:

order\_id -> **ORDERS**.order\_id

ISBN -> BOOK.ISBN

Data type:

order\_id INT primary key

ISBN ISBN\_TYPE primary key

quantity INT unsigned

price INT unsigned

**BOOK(**ISBN,title, book\_cover, description, dimensions, print\_length, price, publication\_date, publisher**)**

Reference:

publisher -> PUBLISHER.publisher\_id

Data type:

ISBN ISBN\_TYPE

title VARCHAR(255)

book\_cover ENUM(‘hardcover’, ‘paperback’)

dimension VARCHAR(20)

description LONGTEXT

print\_length INT

price INT

publish\_date DATE

publisher INT

**IMAGE\_BOOK(**ISBN, img\_link**)**

Reference:

ISBN -> BOOK.ISBN

Data type:

ISBN VARCHAR(13)primary key

img\_link VARCHAR(255) primary key

**CUSTOMER(**account\_id, email, Fname, Lname, gender, birth\_date, phone\_number, password**)**

Data type:

account\_id INT

email VARCHAR(255)

fname VARCHAR(20)

lname VARCHAR(20)

gender ENUM(‘male’, ‘female’, ‘other’)

birth\_date DATE,

phone\_number **VARCHAR(15)**

password VARCHAR(40)

**EMPLOYEE(**account\_id, email, fname, lname, gender, birth\_date, number\_address, street, ward, district, cỉty, manager\_id, phone\_number, password**)**

Reference:

manager\_id -> EMPLOYEE.account\_id

Data type:

account\_id INT

email VARCHAR(255)

fname VARCHAR(20)

lname VARCHAR(20)

gender ENUM(‘male’, ‘female’, ‘other’)

birth\_date DATE

number\_address VARCHAR(20)

street VARCHAR(255)

ward VARCHAR(50)

district VARCHAR(50)

city VARCHAR(50)

manager\_id INT

phone\_number **VARCHAR(15)**

password VARCHAR(40)

**ORDERS(**order\_id, status, account\_id, address\_id**)**

Reference:

account\_id -> **DELIVERY\_ADDRESS.**account\_id

address\_id-> **DELIVERY\_ADDRESS.**address\_id

Data type

order\_id INT primary KEY

status ENUM(‘pending’, ‘processing’,’confirmed’,’delivering’ ‘delivered’, ‘canceled’, ‘refunding’)

account\_id INT

address\_id integer

**INVOICE(**invoice\_id, timestamp, payment\_method, delivery\_fee, order\_id, total\_cost**)**

Reference:

order\_id -> ORDER.order\_id

Data type:

invoice\_id INT primary key auto increment

timestamp DATE

payment\_method ENUM(‘COD’, ‘Bank Transfer’, ‘Other’)

delivery\_fee INT UNSIGNED

order\_id INT

total\_cost INT UNSIGNED

**LIKE**(account\_id, rating\_id)

reference:

account\_id -> **CUSTOMER.**account\_id primary key

rating\_id -> **RATING**.rating\_id primary key