

To simplify the dependancies:

bookstore_attributes = owner_fName, owner_lName, contact_email, url, password
book_attributes = title, price, pub_date, genre, author, description, page_count
publisher_attributes = account_num, routing_num, account_size, email
user_attributes = fName, lName, password
order_attributes = curr_locations, eta, order_date
billing_attributes = card_num, name_on_card, expiry_month, expiry_year, CVC
address_attributes = country, region, city, address, postal_code

Functional dependancies:

Bookstore:

bookstore_id \rightarrow bookstore_attributes, address_id, username

username \rightarrow bookstore_attributes, address_id, bookstore_id

The left hand side of each functional dependency is a primary key, therefore this relation is in 3NF

Book:

ISBN \rightarrow book_attributes, publisher_id

The left hand side of the functional dependency is a primary key, therefore this relation is in 3NF

Publisher:

publisher_id \rightarrow publisher_attributes, address_id, company_name

company_name \rightarrow publisher_attributes, address_id, publisher_id

The left hand side of the functional dependency is a primary key, therefore this relation is in 3NF

User:

user_id \rightarrow user_attributes, email, username

email \rightarrow user_attributes, user_id, username

username \rightarrow user_attributes, email, user_id

The left hand side of the functional dependency is a primary key, therefore this relation is in 3NF

Order:

order_id \rightarrow order_attributes, user_id, bookstore_id, billing_id, address_id

The left hand side of the functional dependency is a primary key, therefore this relation is in 3NF

Billing:

billing_id \rightarrow billing_attributes

The left hand side of the functional dependency is a primary key, therefore this relation is in 3NF

Address:

address_id \rightarrow country, address, postal_code

The left hand side of the functional dependency is a primary key, therefore this relation is in 3NF

Postal Information:

postal_code \rightarrow city, region

The left hand side of the functional dependency is a primary key, therefore this relation is in 3NF

Book in Cart:

ISBN, cart_id \rightarrow quantity

The left hand side of the functional dependency is a primary key, therefore this relation is in 3NF

Sells:

bookstore_id, ISBN \rightarrow stock

The left hand side of the functional dependency is a primary key, therefore this relation is in 3NF

Owns:

user_id, ISBN \rightarrow review

The left hand side of the functional dependency is a primary key, therefore this relation is in 3NF

Book in Order:

order_id, ISBN \rightarrow quantity

The left hand side of the functional dependency is a primary key, therefore this relation is in 3NF

Registered At:

cart_id \rightarrow user_id, bookstore_id, billing_id, address_id

The left hand side of the functional dependency is a primary key, therefore this relation is in 3NF