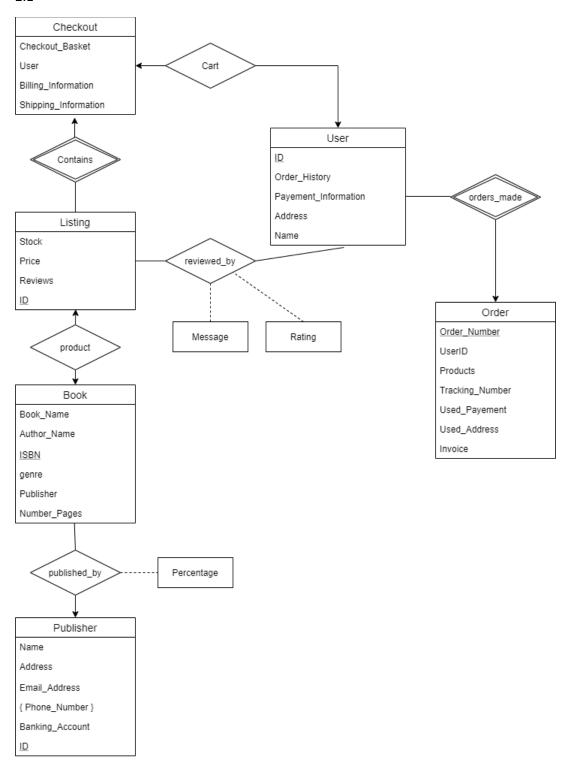
Andy Chia - 101111058

COMP3005 Project

https://github.com/chia591/COMP3005-Project-OnlineBookstore

2.1



Tables:

Checkout (Checkout Basket, User_ID, Billing_Information,
Shipping Information)

User (ID, Order History, Payement Information, Address, Name)

Order(<u>Order number</u>, Products, Tracking_Number, Used_Payement, Used Address, Invoice)

Listing(ID, Stock, Price, ISBN)

Book (<u>ISBN</u>, Book Name, Author Name, genre, Publisher, Number Pages)

Publisher(<u>ID</u>, Name, Address, Email_Address, Phone_Number, Banking Account)

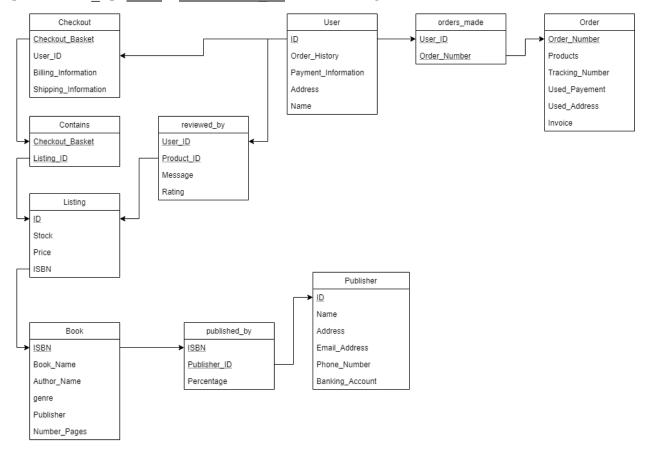
Relation Sets

orders_made(User_ID, Order Number)

Contains (Checkout Basket, Listing ID)

reviewed by (User ID, Product ID, Message, Rating)

published by(ISBN, Publisher ID, Percentage)



Functional Dependencies

```
f = {
User_ID -> Order_History, Payement_Information, Address, Name (User)
Payement_Information -> Address, Name (User)
Checkout Basket -> User ID (Checkout)
Checkout_Basket, User_ID -> Billing_Information, Shipping_Information (Checkout)
Order Number -> Tracking Number, Products, Invoice, Used Payement (Order)
Tracking_Number -> Used-Address (Order)
User ID -> Product ID (reviewed_by)
User ID, Product ID -> Message (reviewed by)
User ID, Product ID -> Rating (reviewed by)
ID -> Stock, Price, ISBN (Listing)
ISBN -> Author Name, Publisher (Book)
Author_Name -> Book_Name (Book)
ISBN, Author_Name, Publisher -> genre, Number Pages, Book Name (Book)
ISBN, Publisher ID -> Percentage (published by)
ISBN -> Publisher_ID (published_by)
ID -> Name, Address, Email Address, Phone Number, Banking Account
}
```