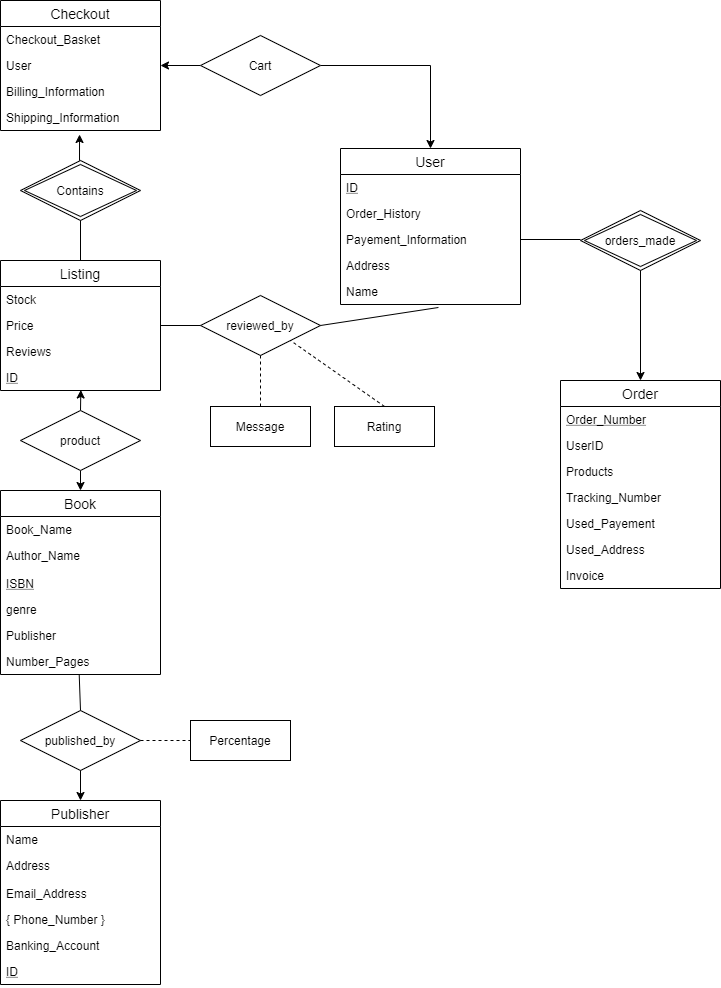
Andy Chia – 101111058

COMP3005 Project

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

2.1



2.2

Tables:

Checkout(Checkout\_Basket, User\_ID, Billing\_Information, Shipping\_Information)

User(ID, Order\_History, Payement\_Information, Address, Name)

Order(Order\_number, Products, Tracking\_Number, Used\_Payement, Used\_Address, Invoice)

Listing(ID, Stock, Price, ISBN)

Book(ISBN, Book\_Name, Author\_Name, genre, Publisher, Number\_Pages)

Publisher(ID, Name, Address, Email\_Address, Phone\_Number, Banking\_Account)

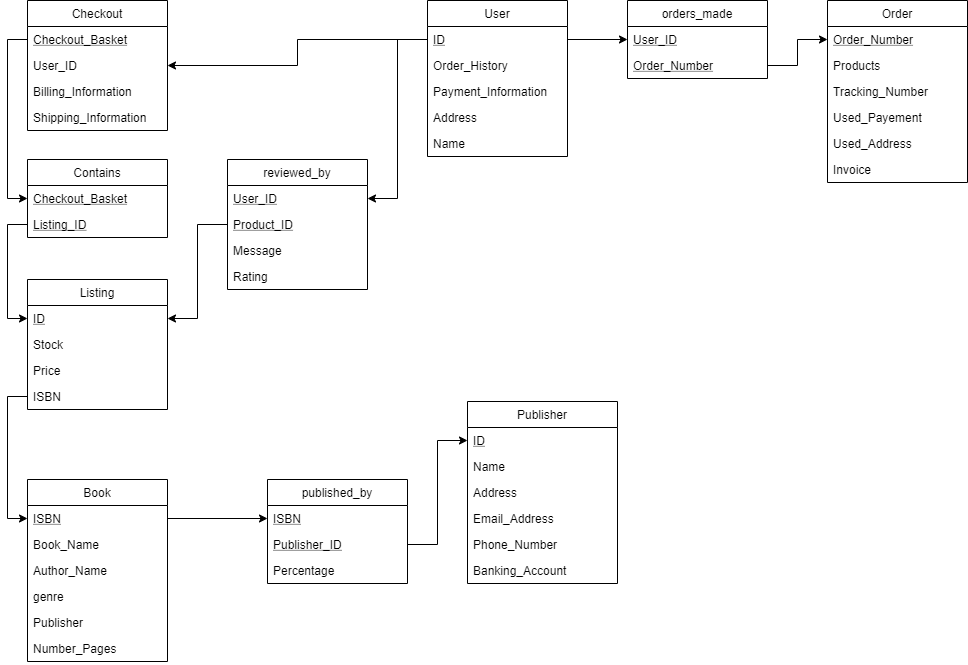
Relation Sets

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)



2.3

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

}