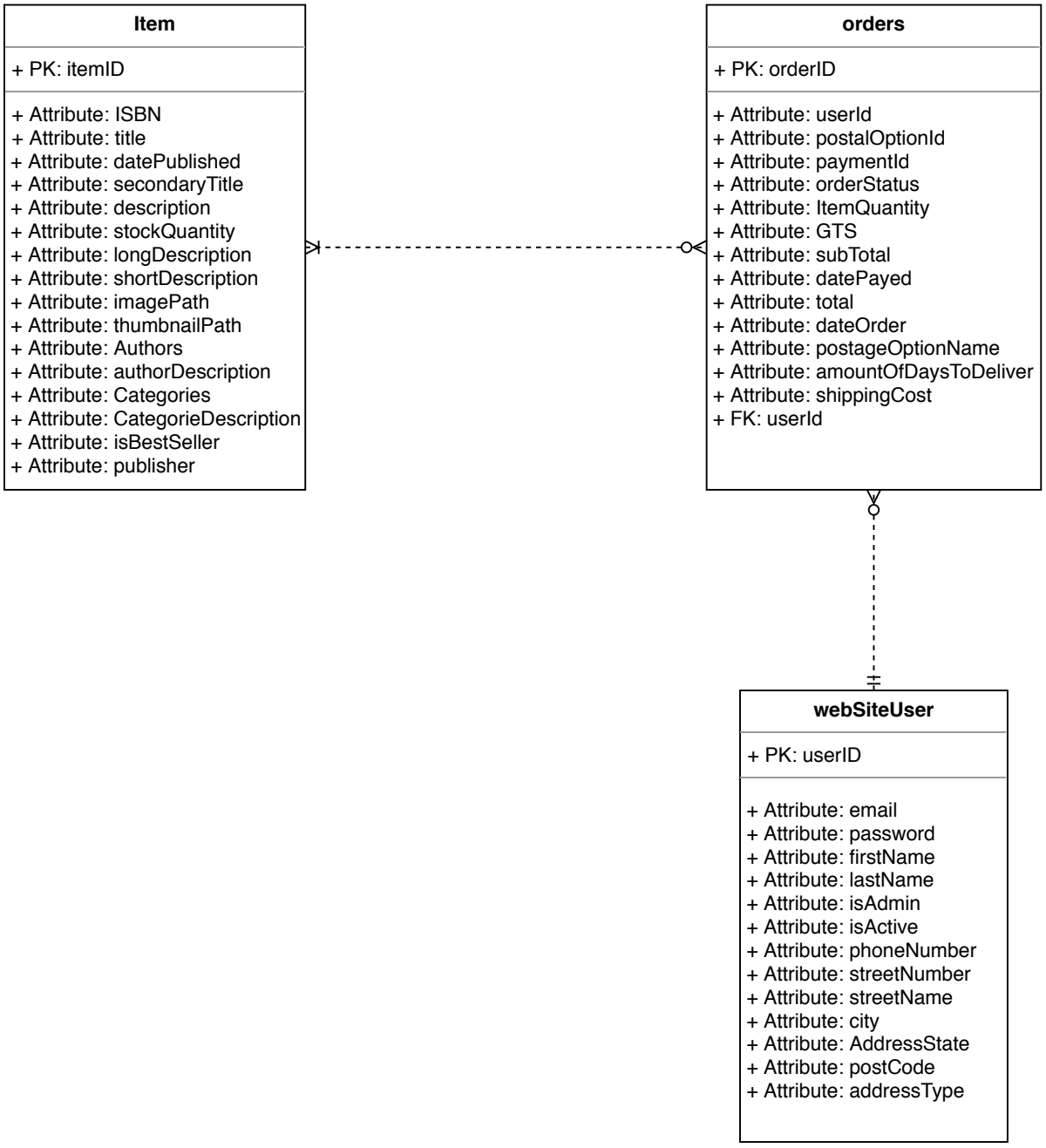
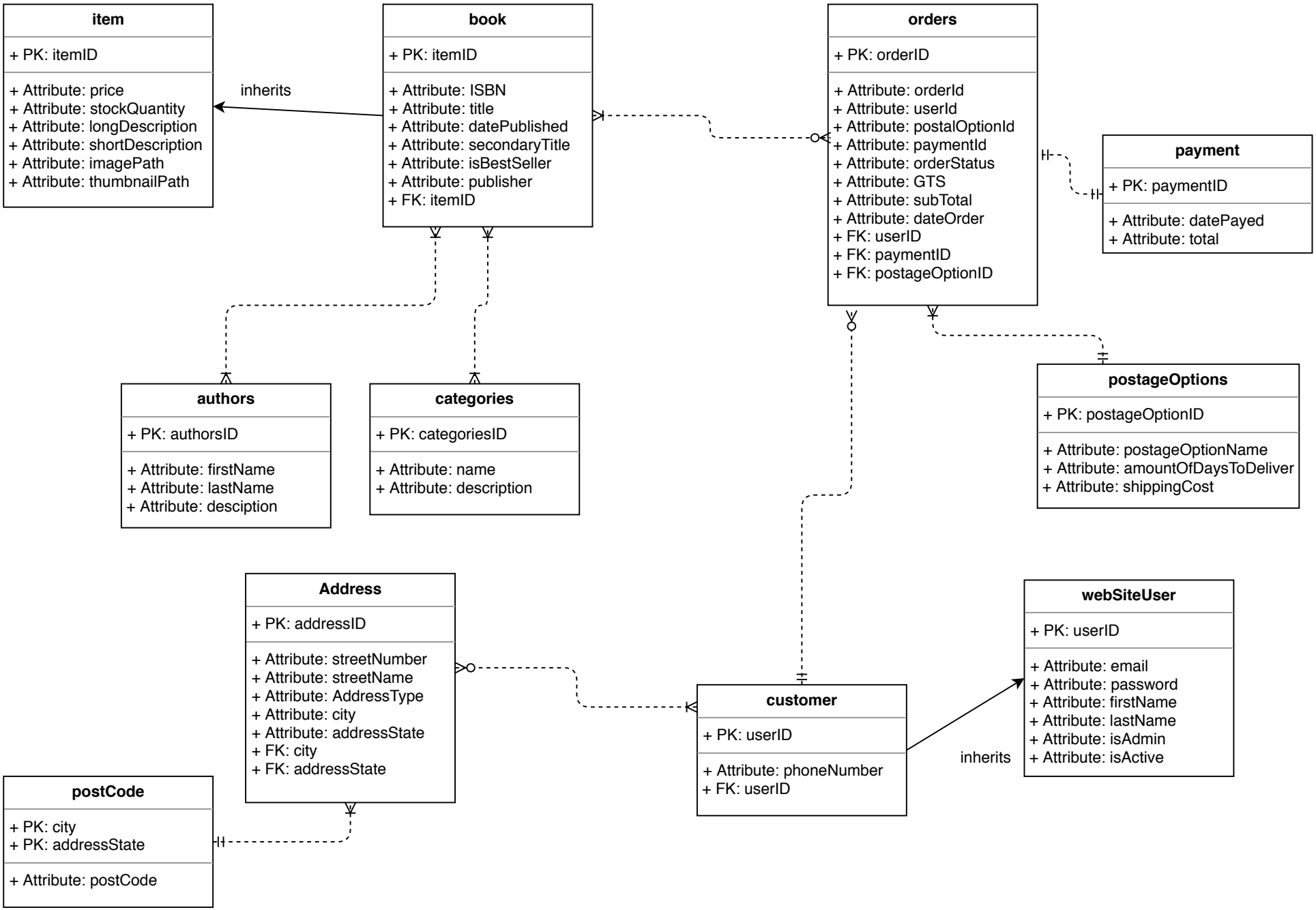
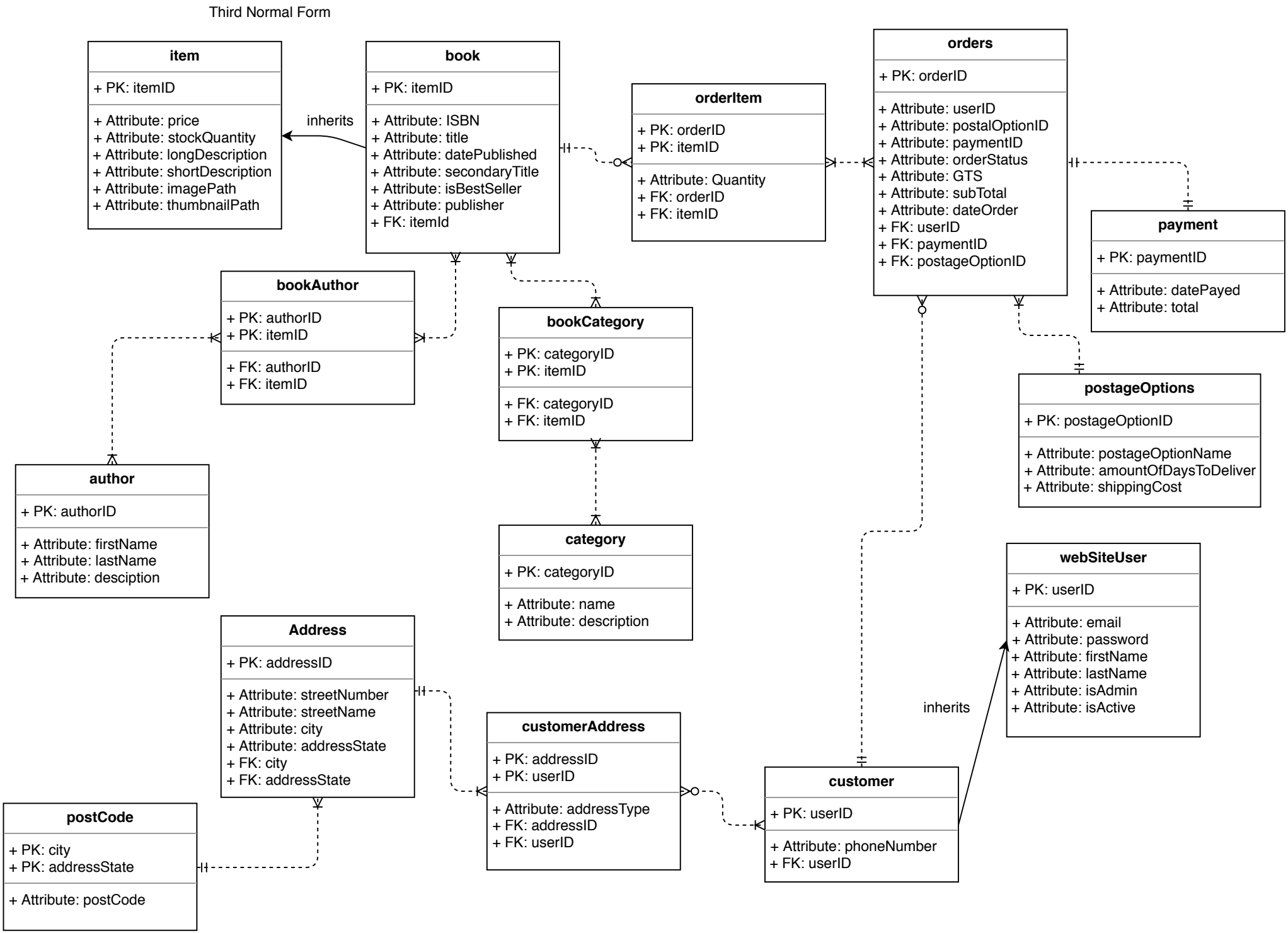
First Normal Form



Second Normal Form




Third Normal Form
item
+ PK: itemID
+ Attribute: price
+ Attribute: stockQuantity
+ Attribute: longDescription
+ Attribute: shortDescription
+ Attribute: imagePath
+ Attribute: thumbnailPath
inherits
book
+ PK: itemID
+ Attribute: ISBN
+ Attribute: title
+ Attribute: datePublished
+ Attribute: secondaryTitle
+ Attribute: isBestSeller
+ Attribute: publisher
+ FK: itemId
orderItem
+ PK: orderID
+ PK: itemID
+ Attribute: Quantity
+ FK: orderID
+ FK: itemID
orders
+ PK: orderID
+ Attribute: userID
+ Attribute: postalOptionID
+ Attribute: paymentID
+ Attribute: orderStatus
+ Attribute: GTS
+ Attribute: subTotal
+ Attribute: dateOrder
+ FK: userID
+ FK: paymentID
+ FK: postageOptionID
payment
+ PK: paymentID
+ Attribute: datePayed
+ Attribute: total
bookAuthor
+ PK: authorID
+ PK: itemID
+ FK: authorID
+ FK: itemID
bookCategory
+ PK: categoryID
+ PK: itemID
+ FK: categoryID
+ FK: itemID
postageOptions
+ PK: postageOptionID
+ Attribute: postageOptionName
+ Attribute: amountOfDaysToDeliver
+ Attribute: shippingCost
author
+ PK: authorID
+ Attribute: firstName
+ Attribute: lastName
+ Attribute: desciption
category
+ PK: categoryID
+ Attribute: name
+ Attribute: description
webSiteUser
+ PK: userID
+ Attribute: email
+ Attribute: password
+ Attribute: firstName
+ Attribute: lastName
+ Attribute: isAdmin
+ Attribute: isActive
Address
+ PK: addressID
+ Attribute: streetNumber
+ Attribute: streetName
+ Attribute: city
+ Attribute: addressState
+ FK: city
+ FK: addressState
customerAddress
+ PK: addressID
+ PK: userID
+ Attribute: addressType
+ FK: addressID
+ FK: userID
inherits
customer
+ PK: userID
+ Attribute: phoneNumber
+ FK: userID
postCode
+ PK: city
+ PK: addressState
+ Attribute: postCode