Customer

1..1

1..1

Is

：

Category

Order

-----------------------

Buy

1..\*

1..\*

1..\*

1..1

Is

1..\*

1..1

Has

：

Image

1..\*

：

Language

Book

1..\*

1..\*

1..\*

Publishs

1..1

Publisher

：

Is

Sell

Write

1..\*

：

Author

1..1

1..1

Image type

Vendor

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Entity name | Multiplicity | Relationship | Multiplicity | Entity name |
| Book | 1..\*  1..\*  1..1 | Is  Is  Has | 1..1  1..1  1..\* | Category  Language  Image |
| Publisher | 1..1 | Publish | 1..\* | Book |
| Author | 1..\* | Write | 1..\* | Book |
| Customer | 1..1 | Buy | 1..\* | Book |
| Vendor | 1..1 | Sell | 1..\* | Book |
| Image | 1..\* | Is | 1..1 | Image type |

1. Book (b\_id, b\_name, c\_id, price, language, pages, releaseDate, ISBN, description, p\_id, a\_id)
2. Category (c\_id, c\_name)
3. Publisher (p\_id, p\_name, city)
4. Author (a\_id, f\_name, l\_name)
5. Image (i\_id, i\_name, i\_type)
6. Customer (cu\_id, account\_name, password, f\_name, l\_name, email, shippingAddress)
7. ShoppingCart (cu\_id, b\_id, qty)
8. Vendor (v\_id, accountName, password)
9. Order (o\_id, cu\_id, purchaseDate, shipmentDate, status)
10. OrderDetail (o\_id, b\_id, qty)
11. BookAuthor (b\_id, a\_id)
12. BookImage (b\_id, i\_id)

