What-A-Book ORD:
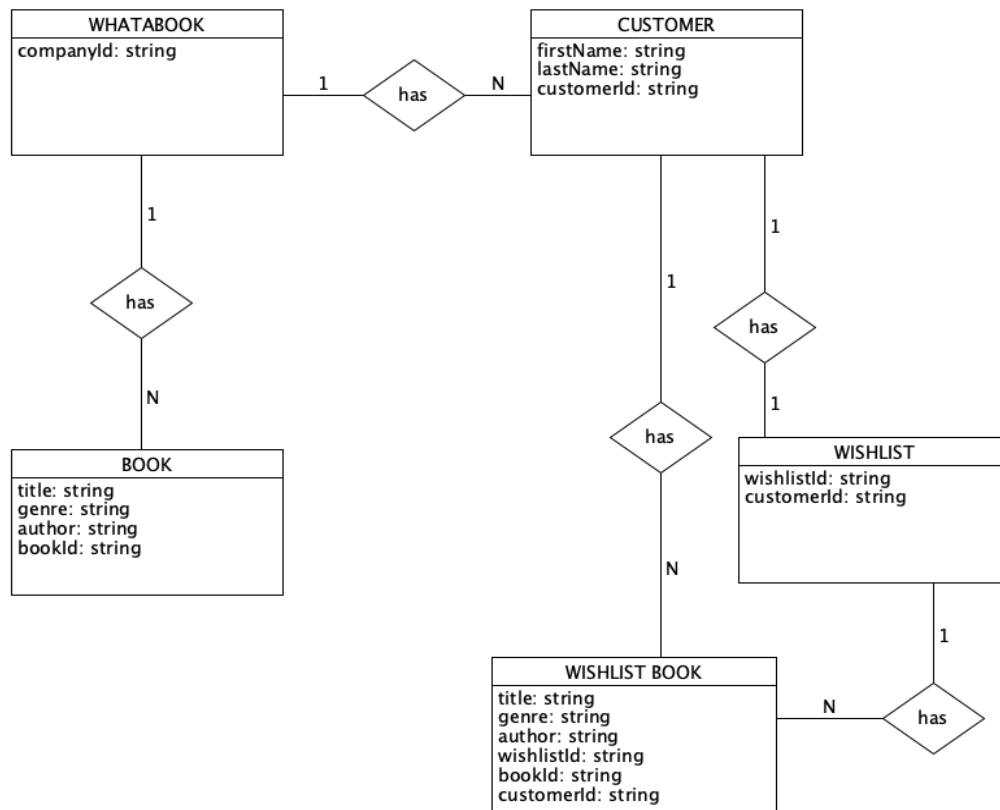
WhatABook
Business Rules
1. WhatABook has many BOOK(s).   2. a CUSTOMER can add many BOOK(s) to their WISHLIST   3. a CUSTOMER can have many WISHLIST BOOK(s).   4. WhatABook has many CUSTOMER(s)

WHATABOOK
companyId: string

1 — has — N

CUSTOMER
firstName: string   lastName: string   customerId: string

1

has

N

BOOK
title: string   genre: string   author: string   bookId: string

1

has

1

WISHLIST
wishlistId: string   customerId: string

1

has

N

WISHLIST BOOK
title: string   genre: string   author: string   wishlistId: string   bookId: string   customerId: string

N — has — 1

What-A-Book NoSql Data Structure:

```json
[
    {"whatABook:":
        {
            "companyId": "129387",
            "books": [
                {
                    "title": "Pride and Prejudice",
                    "author": "Jane Austin",
                    "genre": "Romance",
                    "bookId": "R001"
                },
                {
                    "title": "Harry Potter and the Prisoner of Azkaban",
                    "author": "JK Rowling",
                    "genre": "Fantasy",
                    "bookId": "F003"
                },
                {
                    "title": "Harry Potter and the Goblet of Fire",
                    "author": "JK Rowling",
                    "genre": "Fantasy",
                    "bookId": "F004"
                }
            ],
            "customers": [
                {
                    "customerId": "0003",
                    "firstName": "Mina",
                    "lastName": "Myoi",
                    "wishlist": {
                        "wishlistId": "10000",
                        "customerId": "0003",
                        "wishListBooks": [
                            {
                                "title": "Harry Potter and the Prisoner of Azkaban",
                                "author": "JK Rowling",
                                "genre": "Fantasy",
                                "bookId": "F003"
                            },
                            {
                                "title": "Harry Potter and the Goblet of Fire",
                                "author": "JK Rowling",
                                "genre": "Fantasy",
                                "bookId": "F004"
                            }
                        ]
                    }
                },
                {
                    "customerId": "0004",
                    "firstName": "Jihyo",
                    "lastName": "Park",
                    "wishlist": {
                        "wishlistId": "10001",
                        "customerId": "0004",
                        "wishListBooks": [
                            {
                                "title": "Pride and Prejudice",
                                "author": "Jane Austin",
                                "genre": "Romance",
```

```
                                "bookId": "R001"
                        },
                        {
                                "title": "Harry Potter and the Prisoner of Azkaban",
                                "author": "JK Rowling",
                                "genre": "Fantasy",
                                "bookId": "F003"
                        }
                ]
        }

            }
        ]
    }
  }
]
```