# WhatABook — Assignment 8.2 Update

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Adds ORD and NoSQL Data Structure to the TDD and includes installation/query scripts.

## 2.3 ORD (Object■Relationship Diagram)

#### Entities and relationships:

Entity	Key Fields	Notes / Relationships
воок	bookld (PK), title, author, genre	Referenced by WISHLIST via bookld
CUSTOMER	customerId (PK), firstName, lastName,	e <b>Raf</b> erenced by WISHLIST via customerId
WISHLIST	customerId (FK), bookId (FK), dateAdd	edMany∎to∎many between CUSTOMERS and BOOKS

CUSTOMER (1) ■■■< (N) WISHLIST (N) >■■■ (1) BOOK

#### 2.4 NoSQL Data Structure

#### Collections and representative documents:

```
db.books.insertOne({ bookId: 101, title: "1984", author: "George Orwell", genre: "Dystopian" })
db.customers.insertOne({ customerId: "c1001", firstName: "Mary", lastName: "Ramos", email: "mary@db.wishlists.insertOne({ customerId: "c1001", bookId: 101, dateAdded: ISODate("2025-01-01T00:00:0]
Indexes:
db.books.createIndex({ bookId: 1 }, { unique: true })
```

```
db.books.createIndex({ bookId: 1 }, { unique: true })
db.customers.createIndex({ customerId: 1 }, { unique: true })
db.wishlists.createIndex({ customerId: 1 })
db.wishlists.createIndex({ bookId: 1 })
```

### Installation & Showcase Queries — Quick Start