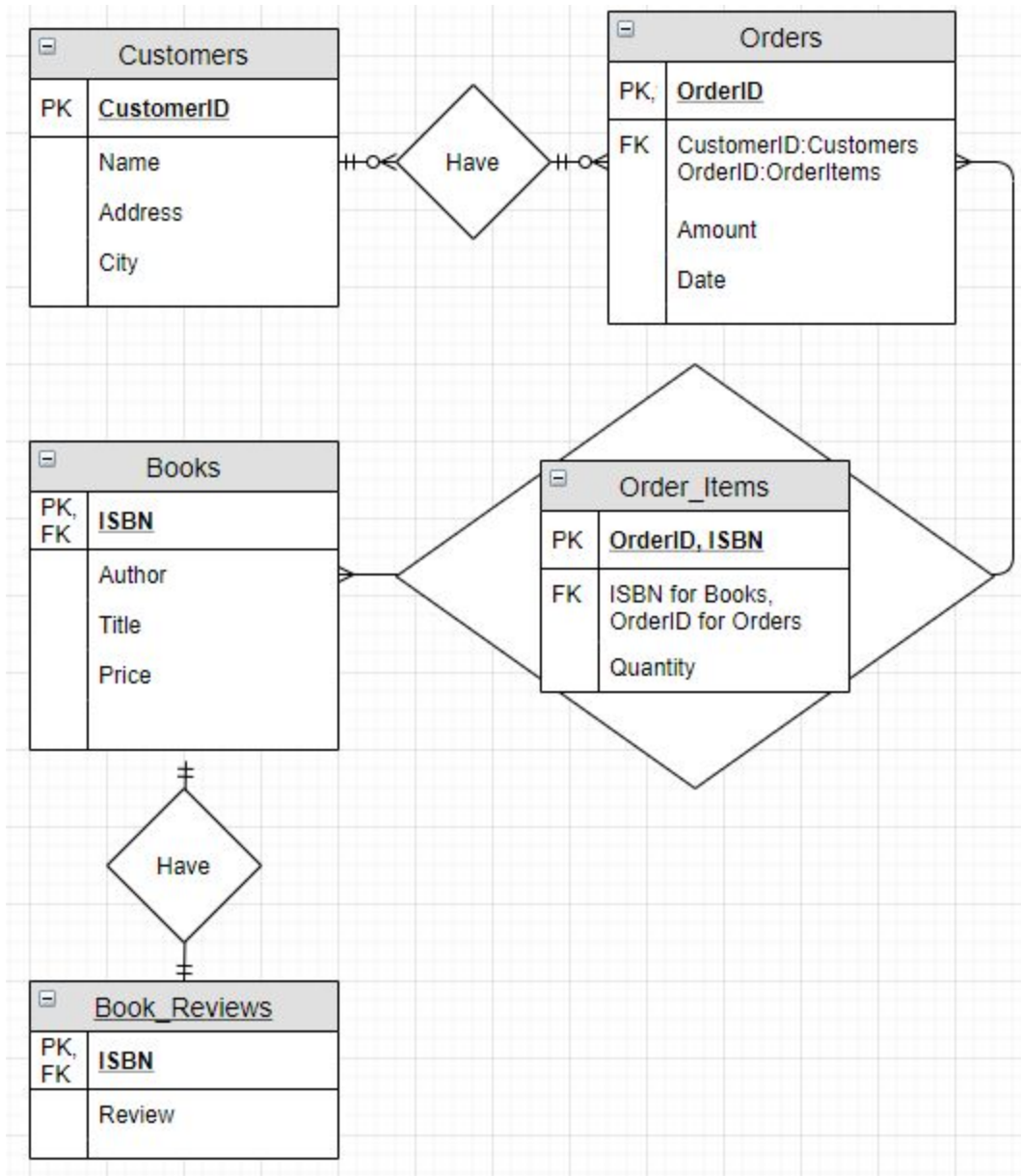


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Report for Project 1
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CSCI 370 - Database Systems
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1.1

Figure 1.1.1: Drawn Schema for book.sql (using draw.io)



1.2

Figure 1.2.1: Contents of the Book_Reviews, Customers, Order_Items tables

```
mysql> Select * from Book_Reviews;
```

ISBN	Review
0-672-31697-8	The Morgan book is clearly written and goes well beyond most of the basic Java books out there.

```
1 row in set (0.00 sec)
```

```
mysql> Select * from Customers;
```

CustomerID	Name	Address	City
1	Julie Smith	25 Oak Street	Airport West
2	Alan Wong	1/47 Haines Avenue	Box Hill
3	Michelle Arthur	357 North Road	Yarraville

```
3 rows in set (0.00 sec)
```

```
mysql> select * from Order_Items;
```

OrderID	ISBN	Quantity
1	0-672-31697-8	2
2	0-672-31769-9	1
3	0-672-31509-2	1
3	0-672-31769-9	1
4	0-672-31745-1	3

```
5 rows in set (0.00 sec)
```

Figure 1.2.2: Contents of the Books table

```
mysql> select * from Books;
```

ISBN	Author	Title	Price
0-672-31509-2	Pruitt, et al.	Teach Yourself GIMP in 24 Hours	24.99
0-672-31697-8	Michael Morgan	Java 2 for Professional Developers	34.99
0-672-31745-1	Thomas Down	Installing Debian GNU/Linux	24.99
0-672-31769-9	Thomas Schenk	Caldera OpenLinux System Administration Unleashed	49.99

```
4 rows in set (0.00 sec)
```

Figure 1.2.3: Contents of the Orders table

```
mysql> select * from Orders;
```

OrderID	CustomerID	Amount	Date
1	3	69.98	2007-04-02
2	1	49.99	2007-04-15
3	2	74.98	2007-04-19
4	3	24.99	2007-05-01


```
4 rows in set (0.00 sec)
```

1.3

Figure 1.3.1: Reverse Engineering books Schema

Reverse Engineer Database

Select Schemas to Reverse Engineer

 **Select the schemas you want to include:**

☒ books
☐ dreamhome
☐ innodb
☐ mydb

1.4

Figure 1.4.1: Reversed Engineered book.sql

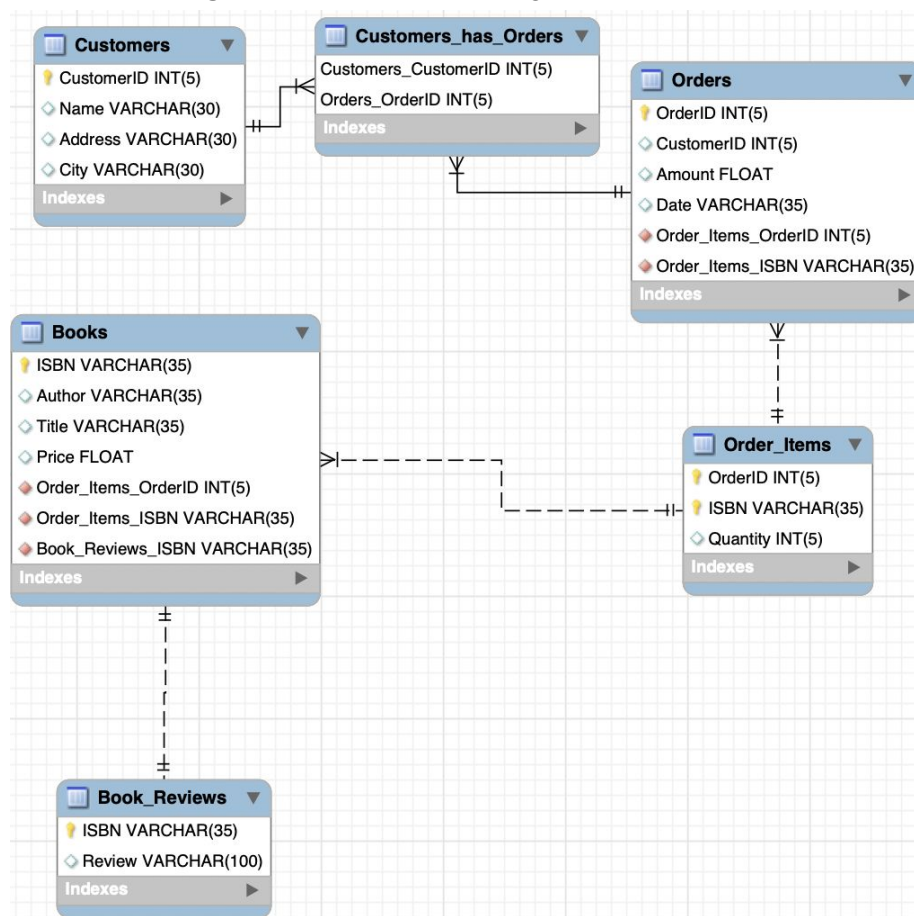


Figure 2.1.1: Catalog Search Page

Uindy Catalog Search

Choose Search Type:

ISBN 

Choose Search Term:

Search

Figure 2.1.2: Catalog Search Page (input)

Uindy Catalog Search

Choose Search Type:

Author 

Choose Search Term:

Mohammad

Search

Figure 2.1.3: Catalog Search Result

Uindy Search Results

Number of books found: 1

Title: Operating Systems

Author: Mohammad Shirazi

ISBN: 0-672-31507-4

Price: 100

Figures 2.2.1: New Book Entry Page

Uindy - New Book Entry

ISBN	<input type="text"/>
Author	<input type="text"/>
Title	<input type="text"/>
Price	\$ <input type="text"/>
<input type="button" value="Add New Book"/>	

Figure 2.2.2: New Book Entry Page (input)

Uindy - New Book Entry

ISBN	<input type="text" value="0-672-31507-4"/>
Author	<input type="text" value="Mohammad Shirazi"/>
Title	<input type="text" value="Operating Systems"/>
Price	\$ <input type="text" value="100"/>
<input type="button" value="Add New Book"/>	

Figure 2.2.3: New Book Entry Results

Uindy Book Entry Results

Book inserted into the database

Figure 2.3.1: Catalog Delete Page

Uindy Catalog Delete

Choose Delete Type:

ISBN 

Enter Search Term:

Delete Book

Figure 2.3.2: Catalog Delete Page (Input)

Uindy Catalog Delete

Choose Delete Type:

Author 

Enter Search Term:

Mohammad

Delete Book

Figure 2.3.3: Catalog Delete Results

Uindy Delete Results

Number of books deleted: 1