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Lab 3

Data Flow Diagram, Level 0 (Context Diagram)

Data Flow Diagram, Level 1

REQUESTED BOOK

CHECK FOR BOOK AVAILABILITY 0.1

VIEW REQUEST 0.2

Query

Response

CUSTOMER

BOOK INVENTORY

DEMANDED BOOK

PURCHASE BOOK 0.3

SALES INFORMATION

Sales receipt

Sales data

SALES CLERK

UPDATE STOCK 0.4

New book data

GENERATE SALES STATISTICS 0.5

CHECK THRESHOLD BOOK 0.6

EMPLOYEE

Time Period

Sales Statistics

Command

OWNER

Below threshold book
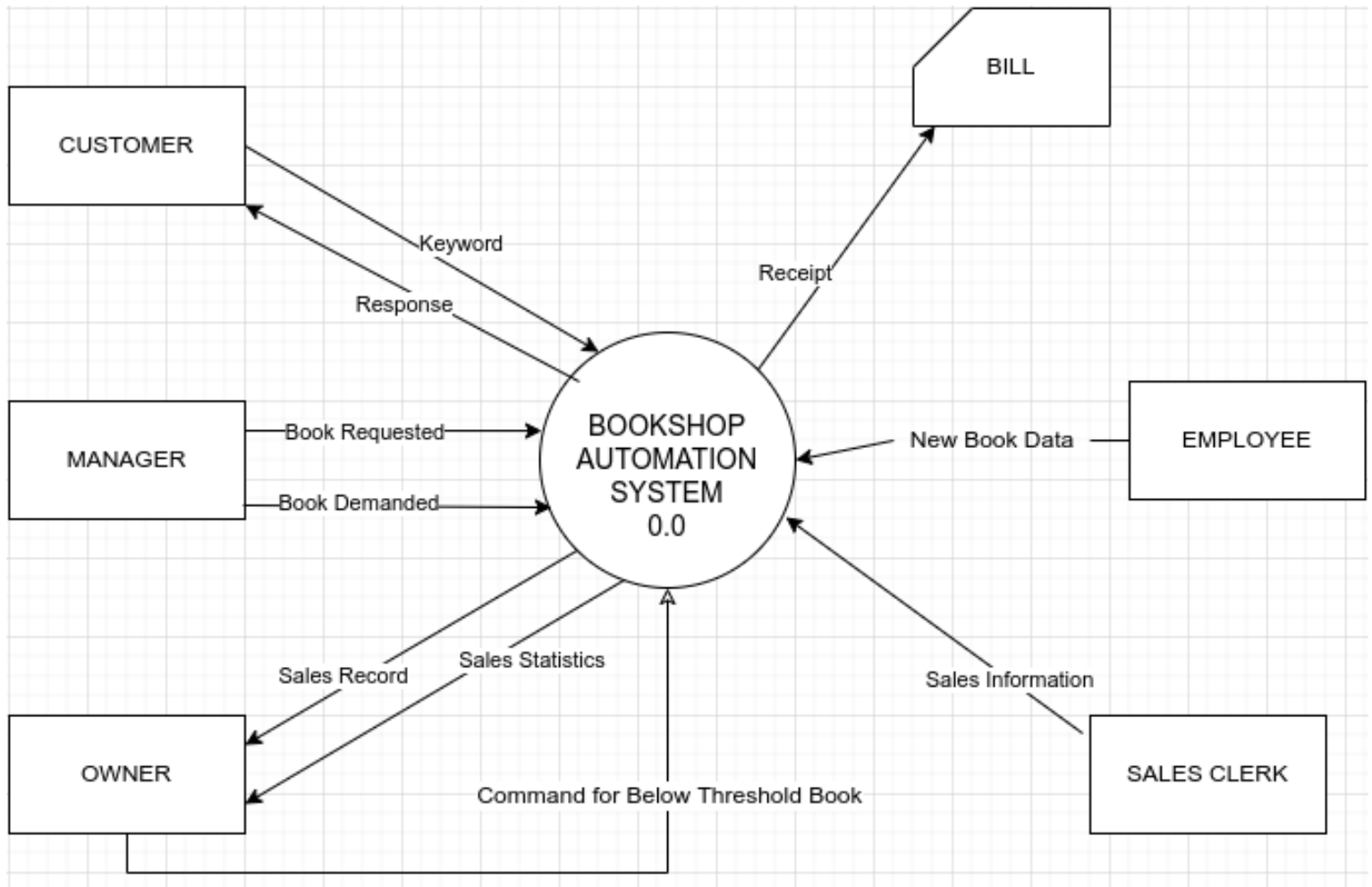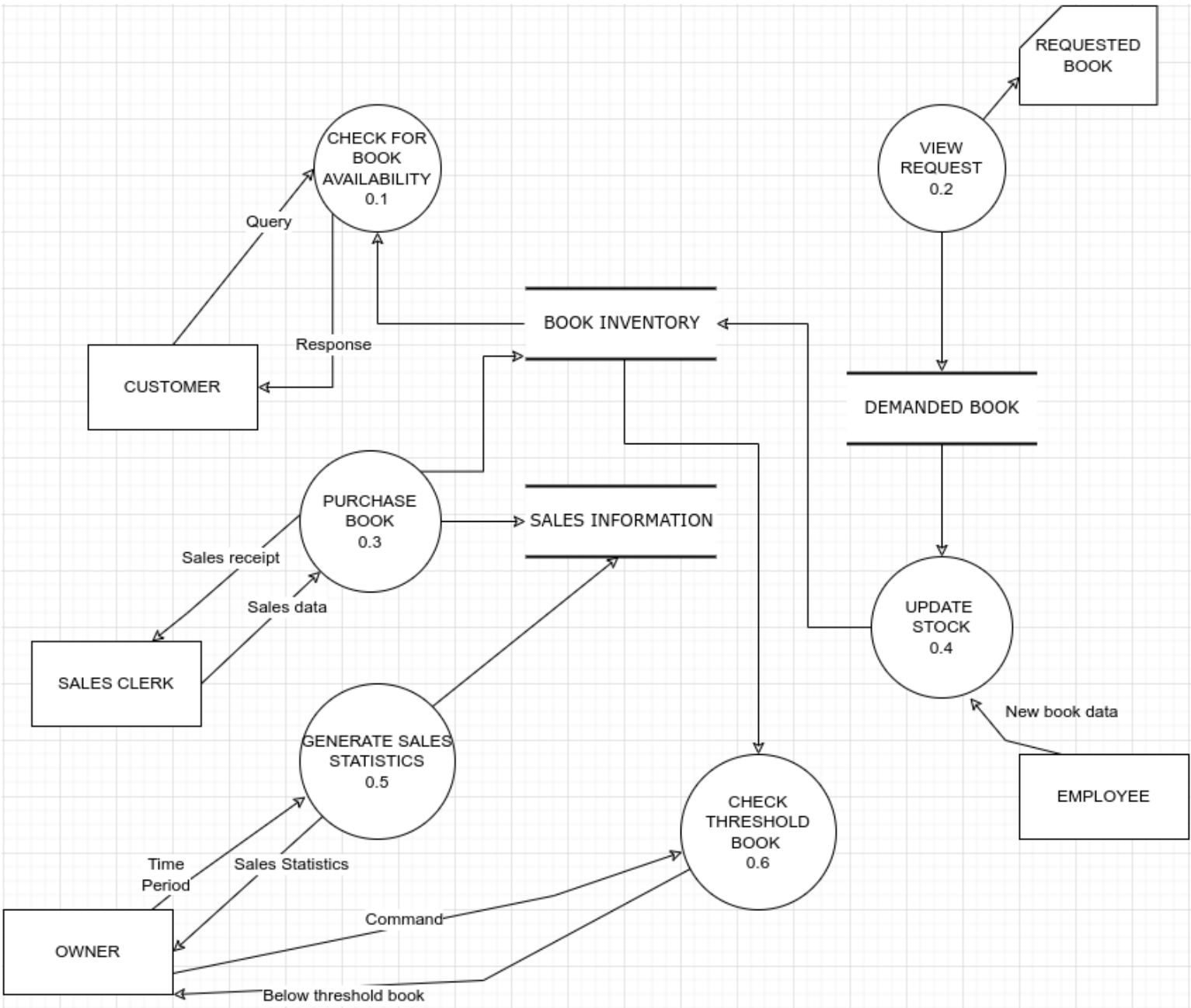
Structure Chart
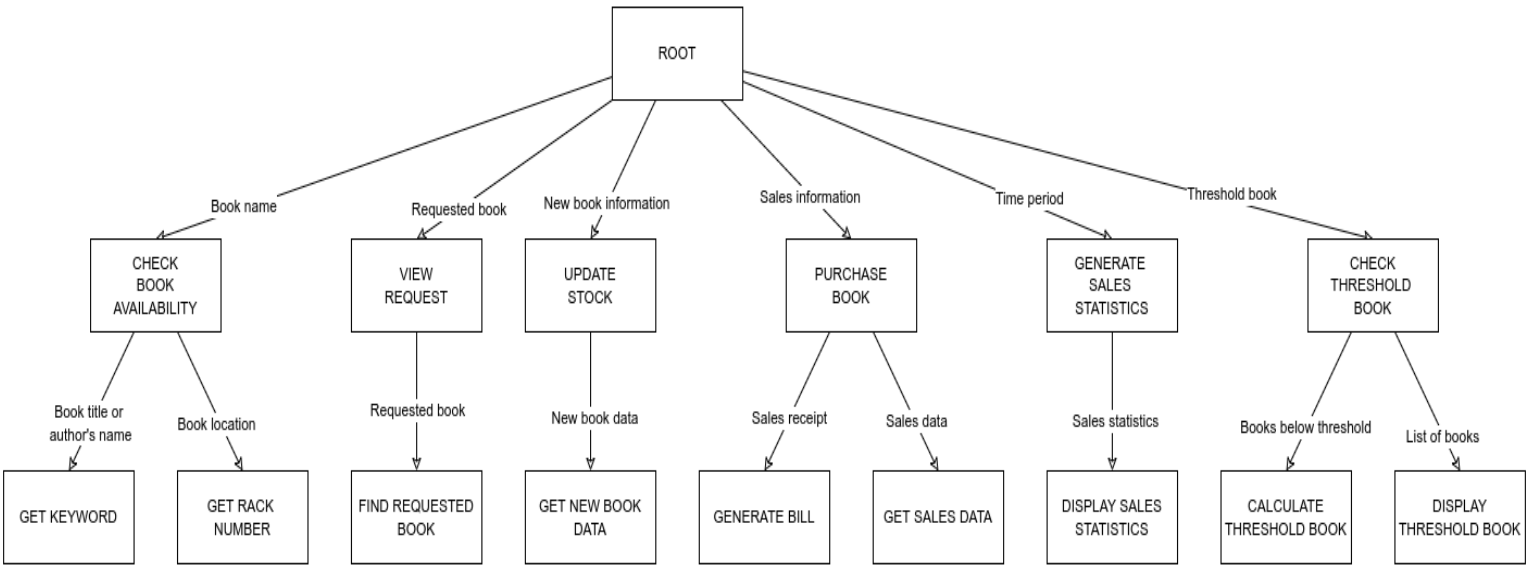
Data Dictionary

- Query: [Book Title/Author Name]
- Book Title: String
- Author Name: String
- Name: String
- Rack Number: Integer
- Number of copies: Integer
- Response: {Rack Number + Number of copies}
- Sales Data: {Name + ISBN No + Author +Edition}
- Sales detail file: {Book No + Price + Date Sold on}*
- Customer Name: String
- Employee Details: {Name}
- New Book Data: {Name + ISBN No + Author +Edition}
- Sales Clerk Details: {Name}
- Books Query data: String
- Books demand: String
- Customer Email: String
- Books Below the threshold: {Detail of book}
- Sales Statistics: Record {book sold, date, price}
- Bill: Record {Details containing the book sold}