An Online Bookstore

Group 4

Outline

- Introduction
- Requirements
- Database design
- User interface design
- Project timeline
- References

Introduction

- The online book store system, similar to a real world book store, is offered virtually. The customer can browse, search and shop for books in the comfort of his/her own home.

- It is a convenient, time saving and fuel-efficient way to get the books that a customer wants from anywhere in the world.
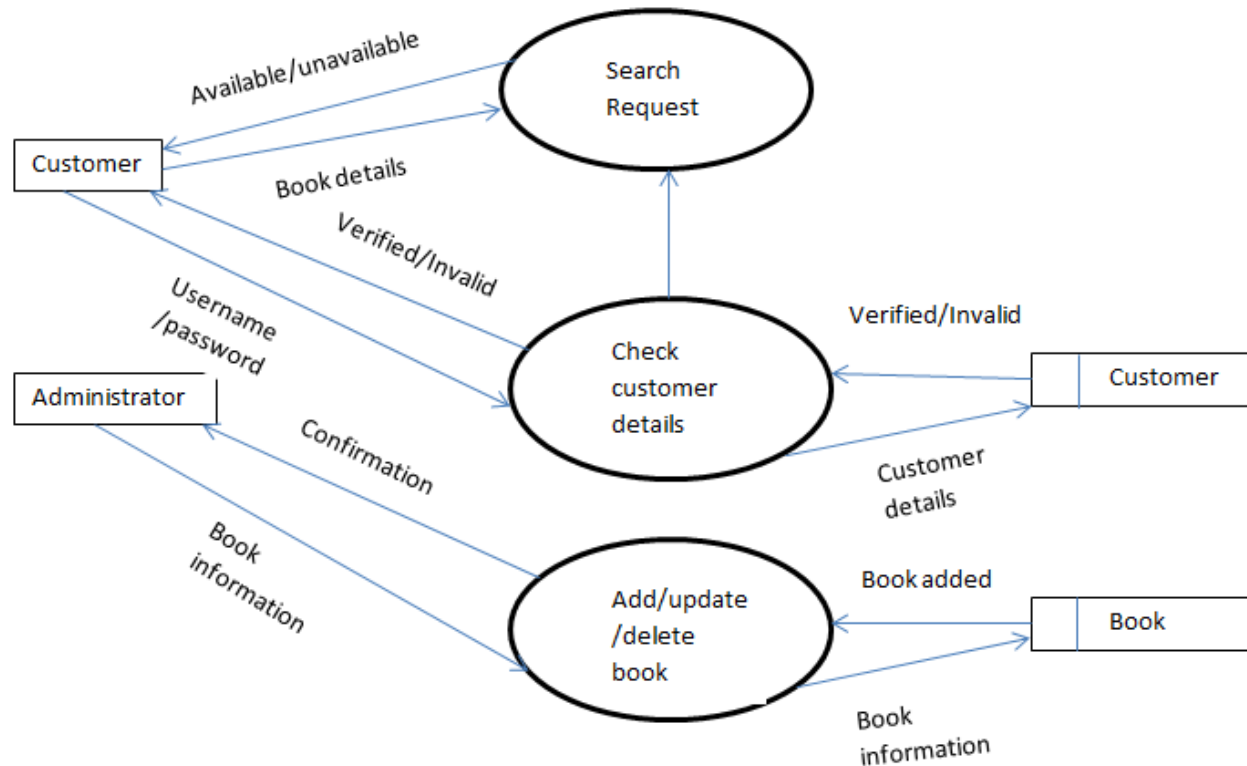
Major functionality – For users

- Search for books
  - In multiple ways- via author, title, publisher and category
- Rate books
  - Provide ratings and comments on books
- Order books
  - Buy available books
  - Place order on books currently unavailable at the bookstore
  - Cancel orders in a particular time span
- Display different categories of books
  - Based on users' purchase history (Best-Selling)
  - Based on users' rating (Most Popular)
  - Based on the release date (Latest)
- Apply discount to books

Major functionality – for Administrators

- Add new books in the database

- Delete books from the database

- Update details of existing books
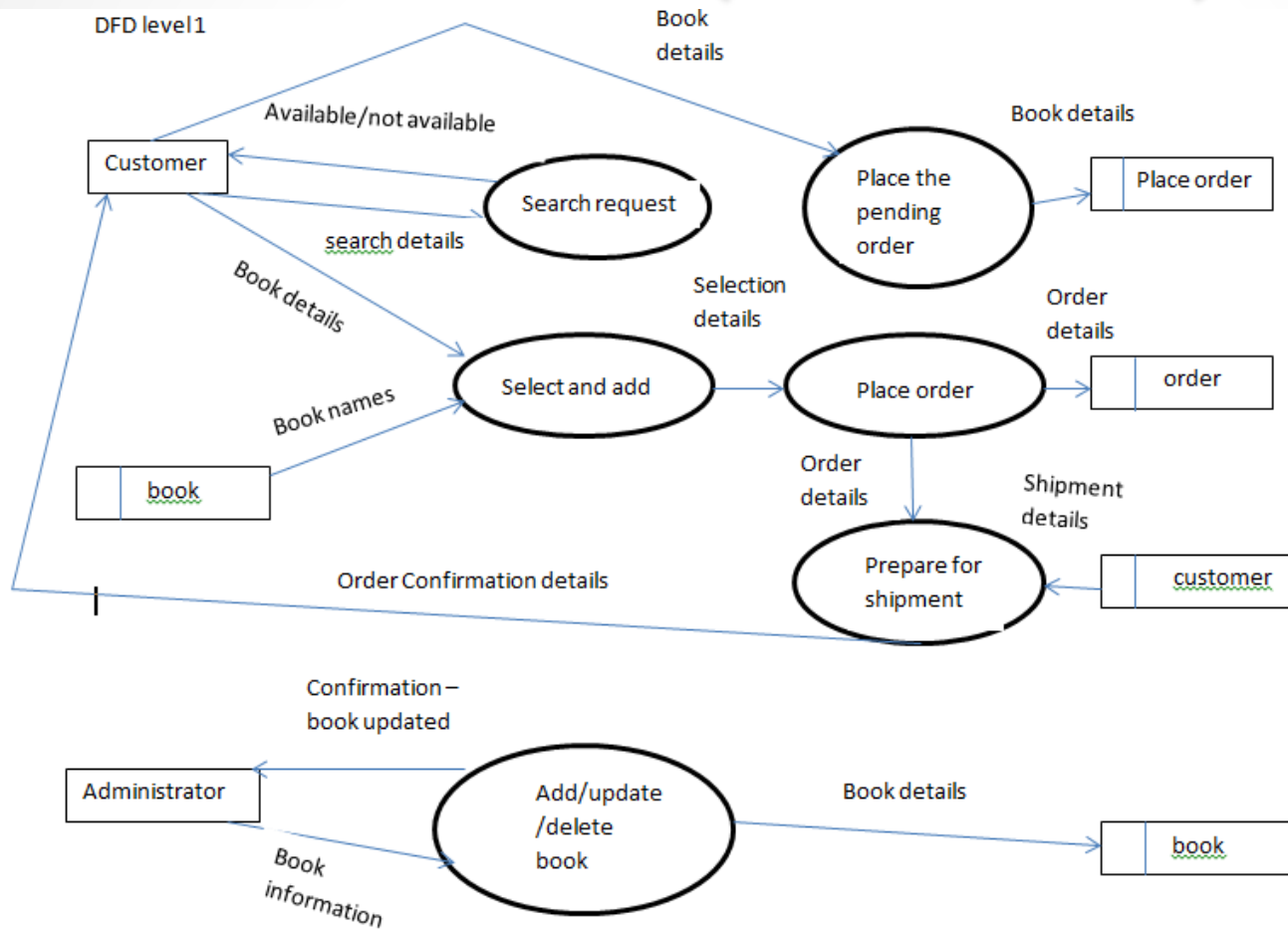
- Order books from publishers
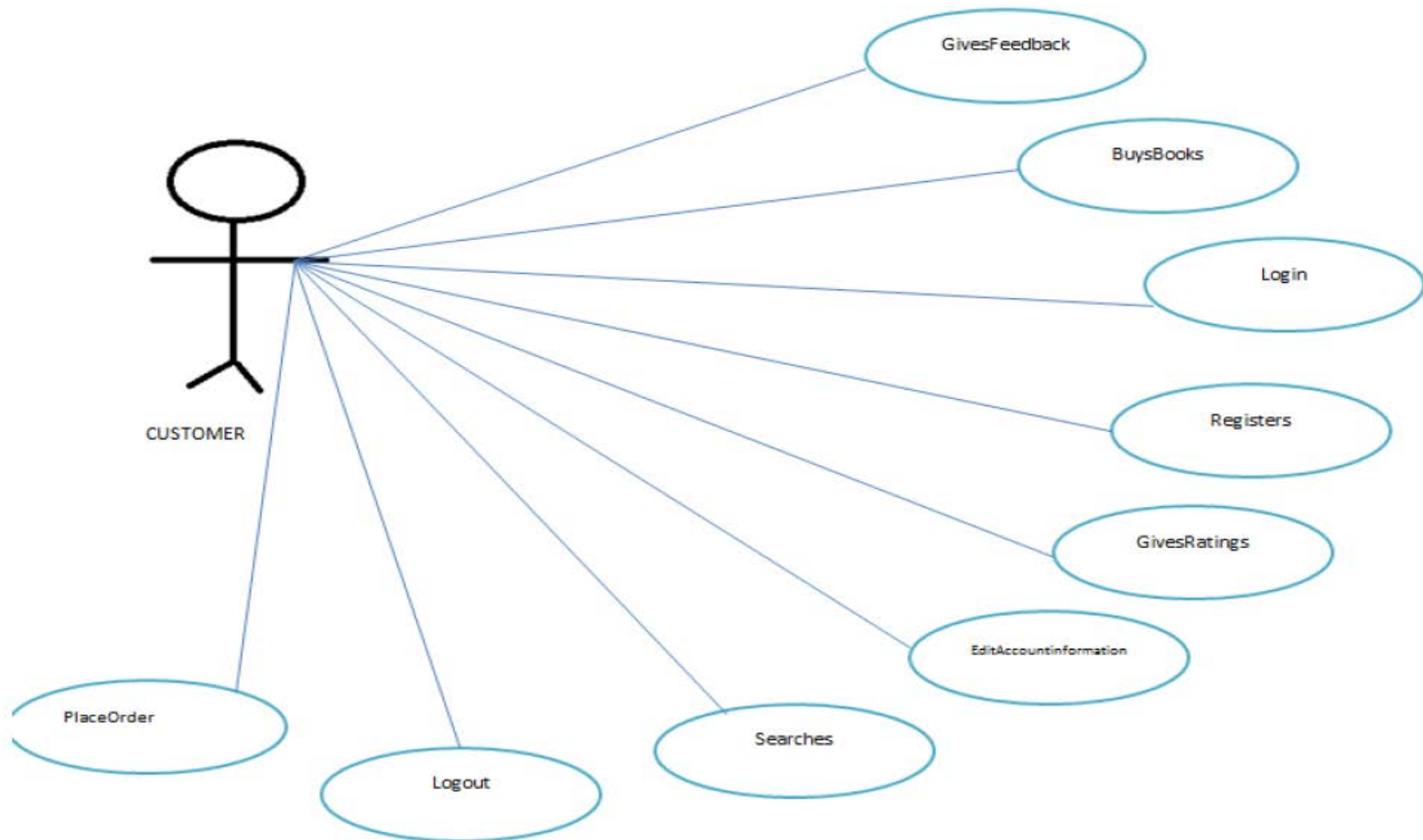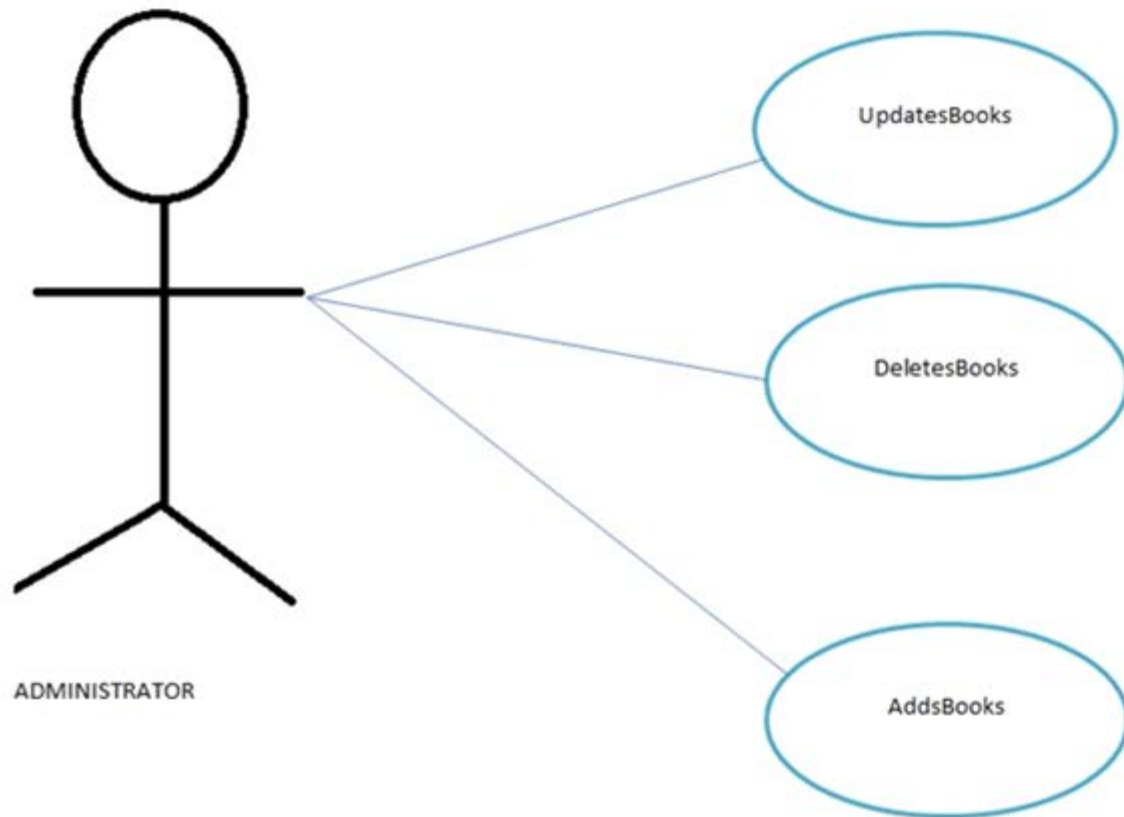
DFD (Level 0)

Data Flow diagram

- Customer — Available/unavailable / Book details → Search Request
- Customer — Username/password / Verified/Invalid → Check customer details
- Check customer details — Verified/Invalid / Customer details → Customer
- Administrator — Confirmation / Book information → Add/update/delete book
- Add/update/delete book — Book added / Book information → Book

DFD Level 0

DFD (Level 1)

UseCase

UseCase

Registration

Login

Search Options

Book Page
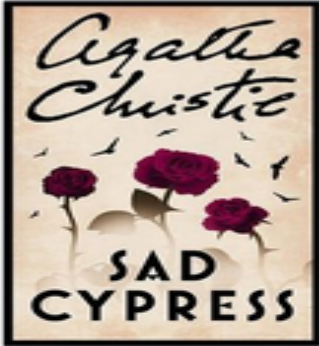

THE BOOKSTORE

Welcome guest!
Login | **Register**

Action | Comedy | Tragedy | Romance | Scientific | Comics | Political | Documentary

Search... Go

BOOK : 1

RICK RIORDAN

★★★½☆

Price : $120
+ Add to cart

Author:
Rick Riordian

Category :
Action
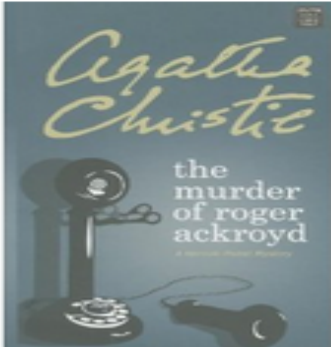
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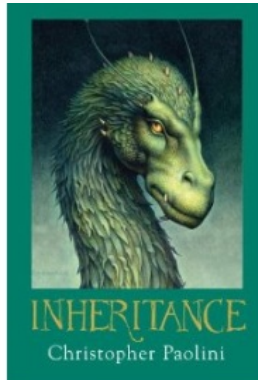Books in stock : 24
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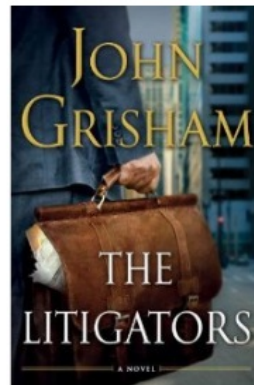E-Book available : Yes
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Final Amount :   **$360**

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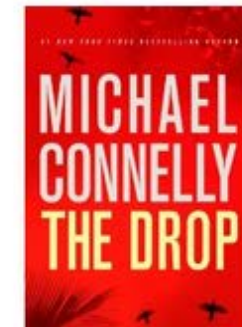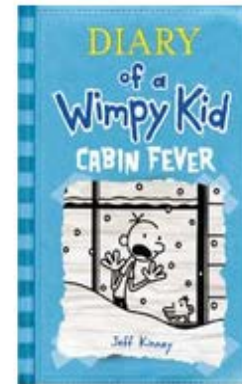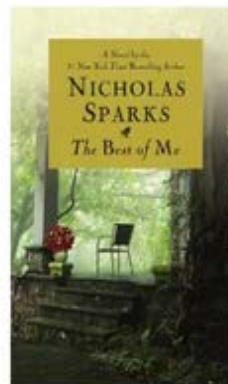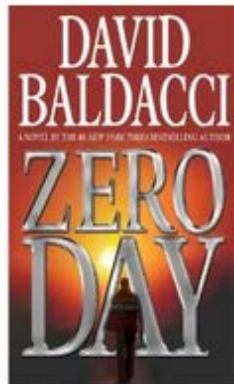
2

INHERITANCE

3

KILL SHOT

4

THE NEXT ALWAYS

5

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Most Popular Books

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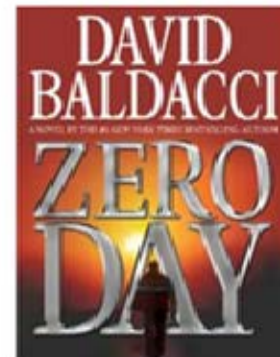
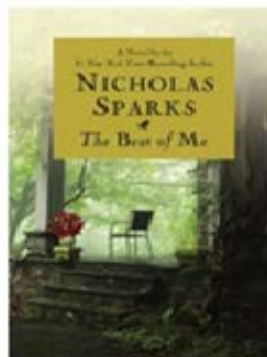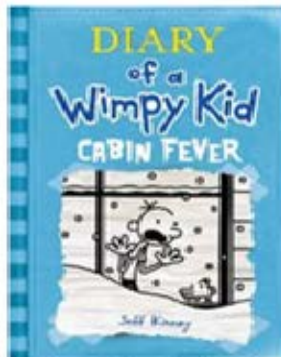# Featured Books

Featured Books

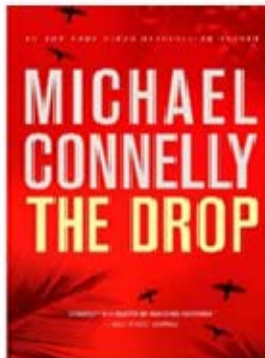The best and latest of our collection. Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. The best and latest of our collection. Lorem ipsum dolor sit amet, consectetur adipisic

CheckOut

Search...   Go

Confirm Details

Full name: Shiva Ranjan Ray

Phone number: 123456789

Address Line 1: IMU

Address Line 2: Bloomington

Validate Credit Card

Cardholders name: Shiva Ranjan Ray

Card number: 9875653342

Card type: mastercard ▾

Expiry Date: 10 ▾ 2016 ▾

Pay

Project timeline

Time	Completed work	Teammate
End of Oct-1st week of Nov	Finishing up the front end	Shiva
	Creating a full fledged database	Fei
2nd week of Nov	Finalizing the database	Jayesh, Rohit
	Integrating the front end and back end	Shiva, Jayesh
3rd week of Nov	Creating entities in the database	Niranjana, Fei
	Testing the entire project	Jayesh, Shiva
4th week of Nov	Documentation	Karthik
	Project presentation preparation	Niranjana, Rohit
End of Nov-1st week of Dec	Presentation of final project	Everyone

References

- Database Management Systems, Third Edition by Ramakrishnan and Gehrke
- http://www.wikipedia.org/
- http://www.smartdraw.com/resources/tutorials/data-flow-diagrams/#/resources/tutorials/Data-Flow-Diagram-Layers
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Thank you

Questions?