

OnBookStore

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Semester: *II*

Batch No: *T1.2206.E1*

Group No: *05*

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Month:3 Year:2023

This is to certify that

Mr. **PHAM QUOC CHIEN**

Mr. **DANG HOANG QUOC**

Mr. **HO ANH QUAN**

Ms. **NGUYEN PHUONG HOA**

Mr. **TRUONG NGOC MINH CAT**

Have successfully Designed & Developed

OnBookStore

Submitted by:

Mr. LE THANH NHAN

Authorized Signature:

Content

Content

Acknowledge

Synopsis

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Acknowledge

As we understand that the Project is a step-by- step learning environment that closely simulates the classroom and Lab based learning environment into actual implementation. It is a project implementation at your fingertips!! An electronic, live juncture on the machine that allows you to.

- ✓ Practice step by step i.e. ladder approach.
- ✓ Build a larger more robust application.
- ✓ Usage of certain utilities in applications designed by user.
- ✓ Single program to unified code leading to a complete application.
- ✓ Learn implementation of concepts in a phased manner.
- ✓ Enhance skills and add value.
- ✓ Work on real life projects.
- ✓ Give a real life scenario and help to create applications more complicated and useful.
- ✓ Mentoring through email support.

We would like to send a great thank to our professor, Mr Le Thanh Nhan and others student for the adorable supports during the time in project.

Beside several mistakes we had made in the project, we hope to have more opportunities to widen our knowledge in web-building world.

We also thank you so much for your information and the “demo” project from India APTECH to help us get more reality experience in this project. Since we have gained more experience from this project, we will not stop learning anything as much as we can be more successful in the future.

Your Sincerely,
Team Group 05.

Synopsis

The Objective of this program we aim is to give a sample project to work on real life projects. These applications help us build a larger more robust application. The objective is not to teach us front-end or back-end technology but to provide us with a real life scenario and help us create basic applications using the tools.

Hence, we can revise the chapters before we start with the project. This project is meant for students like us who have completed the module of Semester II, as well as special subjects those are Java and PHP. These programs should be done in the Lab sessions with assistance of the faculty if required.

The website (in this project) is a world that brings everything about online bookstore which enables customer to choose the favourite book and purchase via their own computer and smartphone without going to store by vehicle.

It is very essential for us that will have a clear understanding of the subject. We think we should go through the project and solve the assignments as per requirements given

Review 01

DesignPlan: OnBookStore	Document Name: Problem Definition	SWD/Form No.01/PD/Ver1.0
Effective Date: 21/03/2023	Version 1.0	Page No: 1 of 50

Problem Definition

OnBookStore is one of the business entities major in supplying a wide range of well-known books around the globe. Beloved customers can receive a diverse and rich collection of e-books, from literary, economic, life skills to other types of books. We are committed to giving the best reading experience, fair price, and with the best customer service to all customer who want to have a miracle experience with our business.

To meet the demand's readers, we tend to update more categories and books to create a variety of choices for customer such as comic book, anime, and so on.

As a high-standard service, we always find the best way to provide more services and special promotions for customer and create the unique which does not exist in any online commercial platform like our company.

Based on the need stated in the Project Overall, we design an application that will provide the features and functionalities as the followings:

- ✓ Provide functions for member register.
- ✓ Provide information of the book to customers.
- ✓ Provide cart function so that registered members can order products.
- ✓ Receive comments from customers and members to improve service quality as well as product quality.

We also provide functions for webmaster to do the management system:

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DesignPlan: OnBookStore	Document Name: Problem Definition	SWD/Form No.01/PD/Ver1.0
Effective Date: 21/03/2023	Version 1.0	Page No: 2 of 50

✓ Webmaster can add, update book's information quickly and accurately.

✓ Webmaster can manage members and their feedbacks.

✓ Webmaster can manage report statistics.

The Role of User and Webmaster:

1. User:

✓ Can register as a member and manage personal account.

✓ Can search information of books.

✓ Can view and buy books

✓ Can give feedback, comment, rate about books.

✓ Can view their orders.

2. Webmaster

✓ Can add / edit / deactivate books and categories.

✓ Can view customer's information or deactivate an account.

✓ Can view all orders.

✓ Can view report statistics.

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Design Plan:	Document Name: Customer Requirements Specifications	SWD/Form No.02/CRS/Ver1.0
Effective Date:	Version 1.0	Page No: 3 of 50

Customer Requirements Specifications

User:

Input:

- Member registration data.
- Book's data.
- Order selected books
- Feedback about books

Process:

- Process customer registration data.
- Search products from database by categories, by product types.
- Process customer orders.
- Process book's feedback.

Output:

- Notification of successful registration / failure.
- Book information.
- Notification of successful order.
- Notification of successful feedback

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Design Plan:	Document Name: Customer Requirements Specifications	SWD/Form No.02/CRS/Ver1.0
Effective Date:	Version 1.0	Page No: 4 of 50

Webmaster:

Input:

- Administrator login data.
- Book and category data to be edited.
- Member's data to be edited
- Order data to be edited.

Process:

- Process login
- Add / edit / delete books
- Process data of members.
- Edit orders.

Output:

- Notification to login success/failure.
- Notification to add / edit / delete books success / failure.
- Notification to edit member account.
- Notification to update orders.

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Design Plan:	Document Name: Customer Requirements Specifications	SWD/Form No.02/CRS/Ver1.0
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Webmaster:

input:

- Webmaster login information.
- Product and category information to add / edit / delete.
- Member information to be search / delete.
- Order information to be search / approve.

Process:

- Add / edit / delete products.
- View information of all members.
- Change member account's status.
- View all orders.
- Update order status.

Output:

- Notification to add / edit / delete products success / failure.
- Notification to change member account's status.
- Notification to update order's status.

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Design Plan:	Document Name: Customer Requirements Specifications	SWD/Form No.02/CRS/Ver1.0
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Hardware / software requirement

Sr.	Item	Description
1.	Operating system	Windows 7, 8, or higher
2.	Hardware	CPU Cores or better with 2 Gigabytes of RAM or better
3.	Web Browser	Version in later of: Edge, Chrome, etc...
4.	Fonts	Standard font Unicode: Arial, Tahoma, Lucida Console, Times New Roman, etc...
5.	Other requirement	XAMPP 7.3 or later A working internet connection.

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Review 02

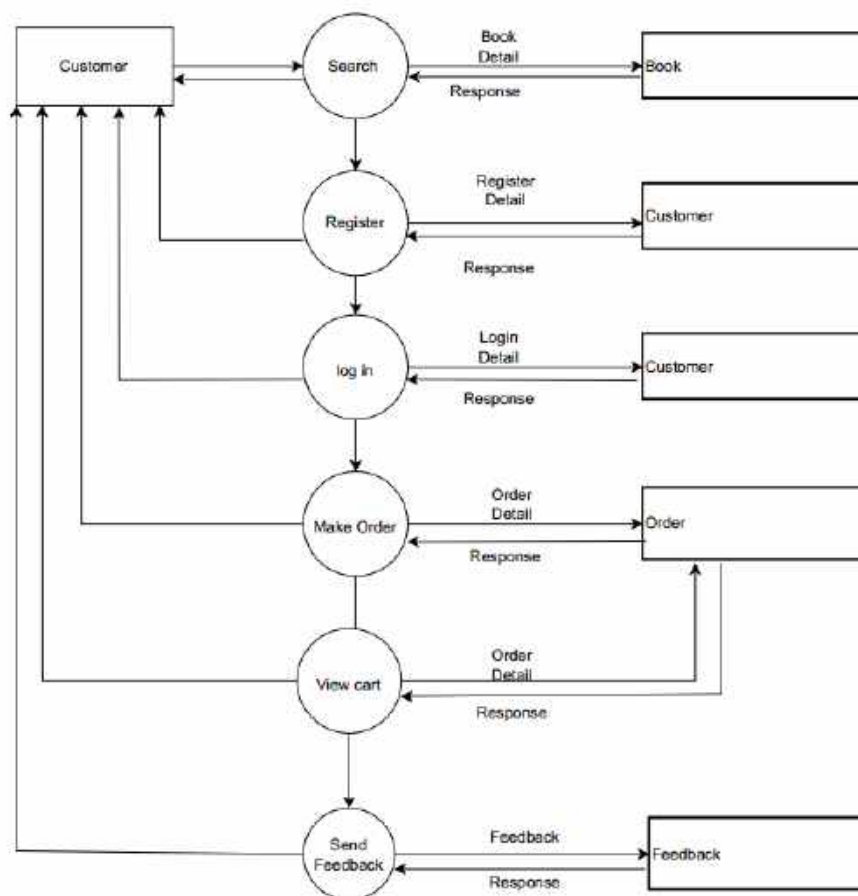
Design Plan: OnBookStore	Document Name: Data Flow Diagram	SWD/Form No.03/DFD/Ver1.0
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Data Flow Diagram

Overall System:



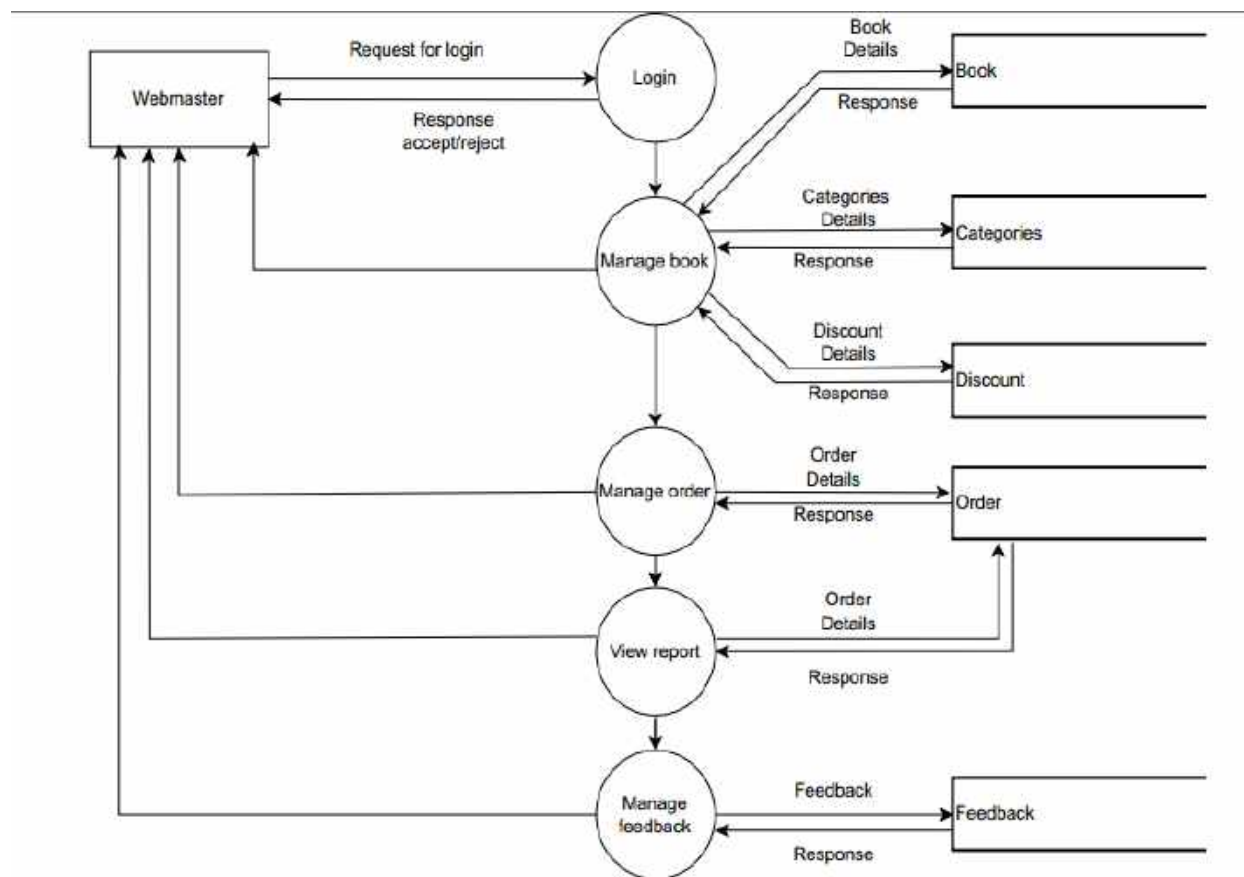
User/Customer:



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Design Plan: OnBookStore	Document Name: Data Flow Diagram	SWD/Form No.03/DFD/Ver1.0
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Webmaster:

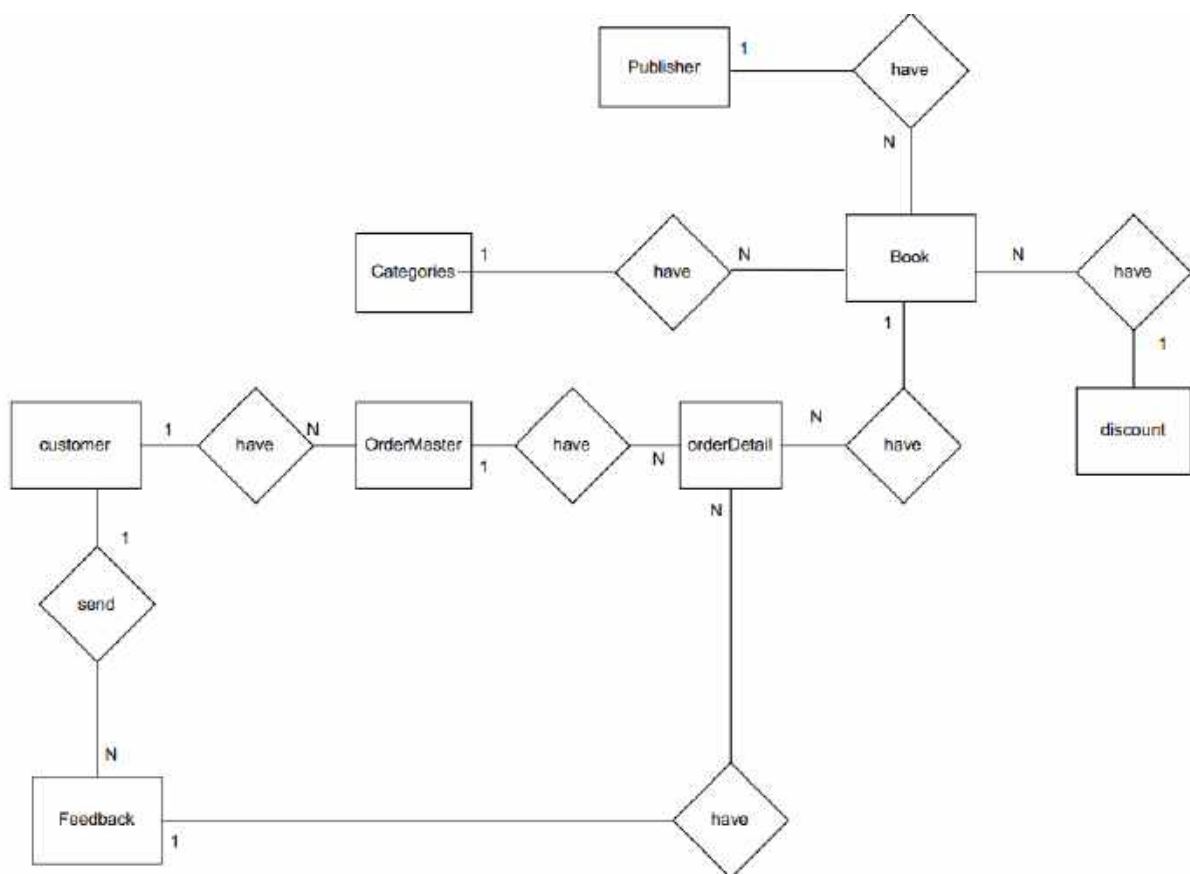


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Design Plan: OnBookStore	Document Name: Entity Relationship Diagram	SWD/Form No.04/ERD/Ver1.0
Effective Date: 21/03/2023	Version 1.0	Page No: 10 of 50

A. Entity Relationship Diagram

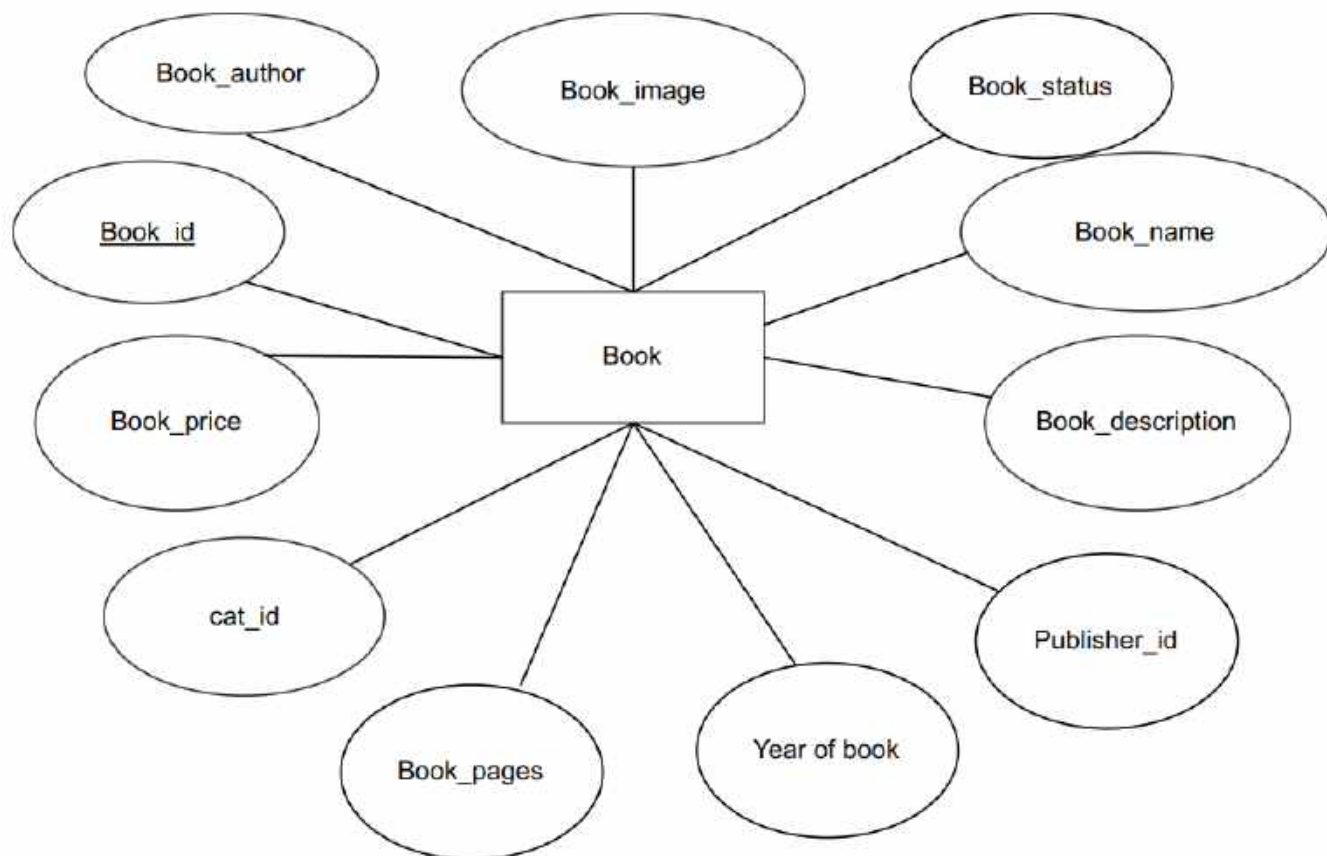
ERD:



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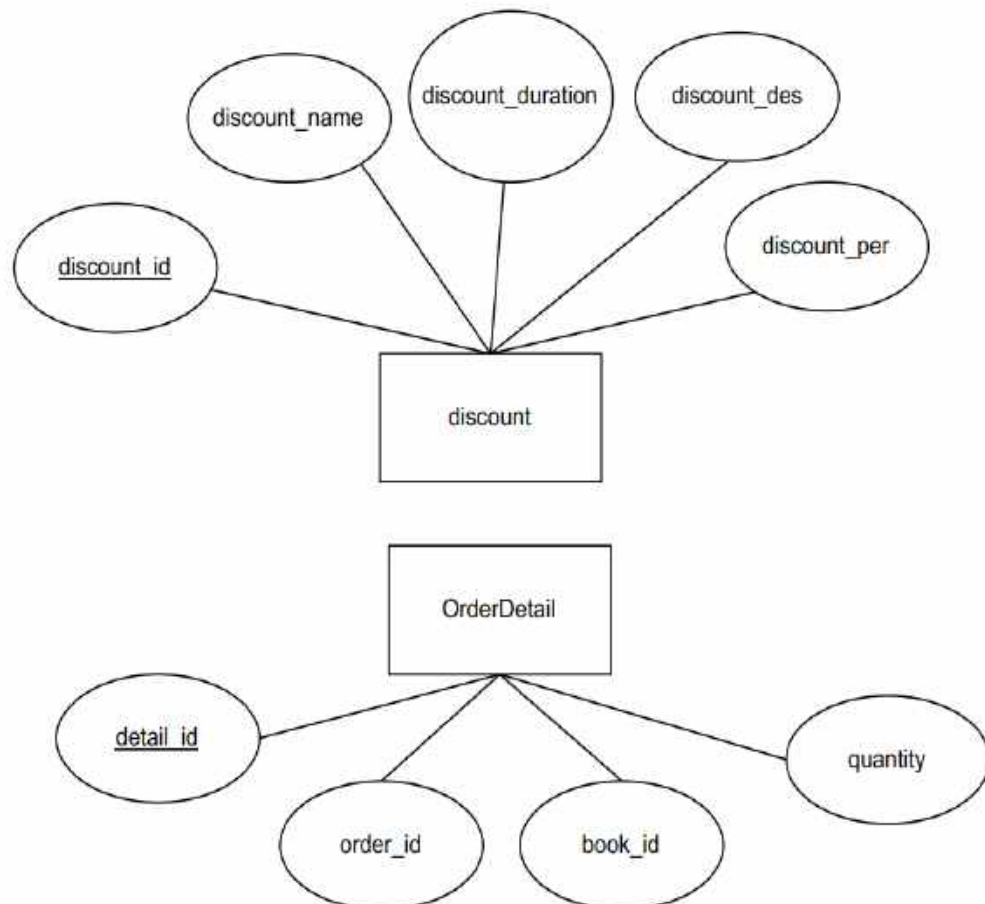
Design Plan: OnBookStore	Document Name: Entity Relationship Diagram	SWD/Form No.04/ERD/Ver1.0
Effective Date: 21/03/2023	Version 1.0	Page No: 11 of 50

B. Entity Attributes



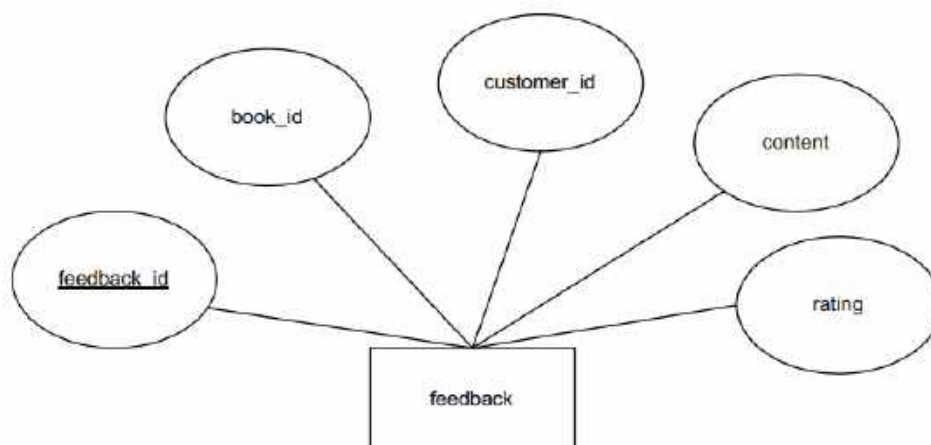
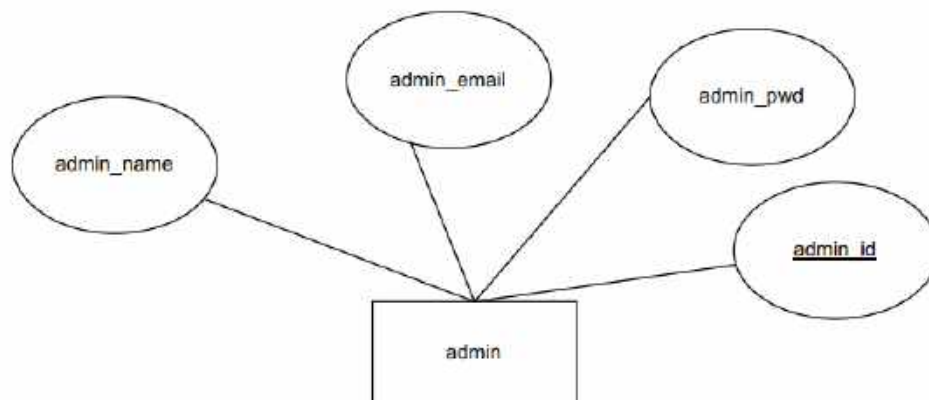
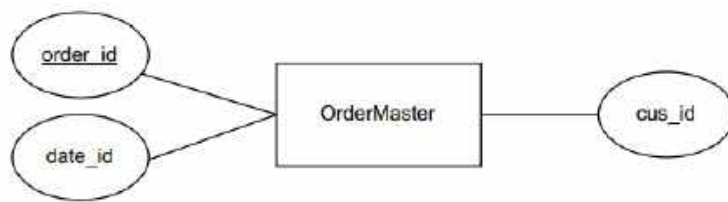
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Design Plan: OnBookStore	Document Name: Entity Relationship Diagram	SWD/Form No.04/ERD/Ver1.0
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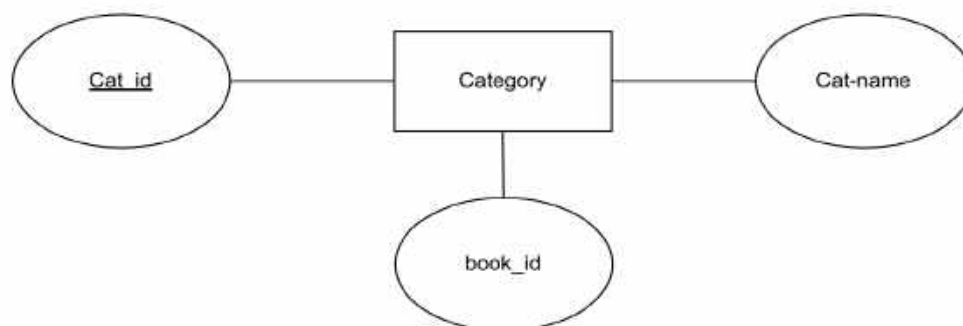
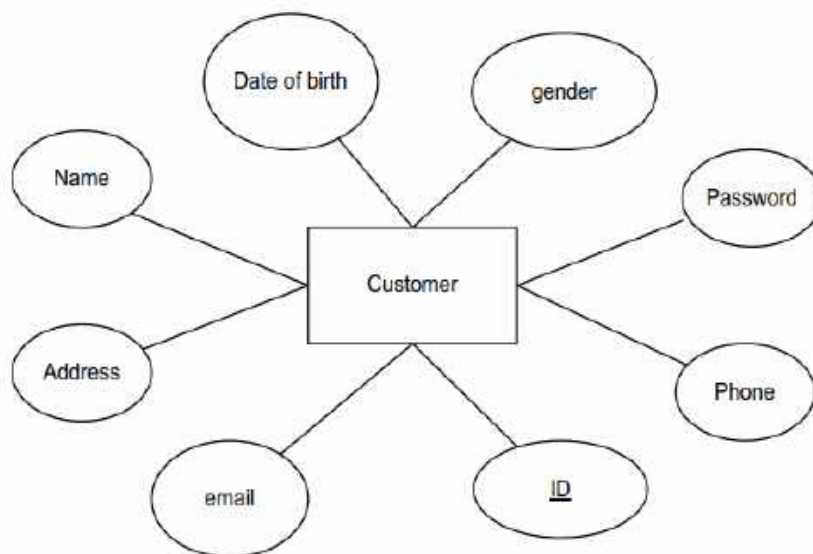
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Design Plan: OnBookStore	Document Name: Entity Relationship Diagram	SWD/Form No.04/ERD/Ver1.0
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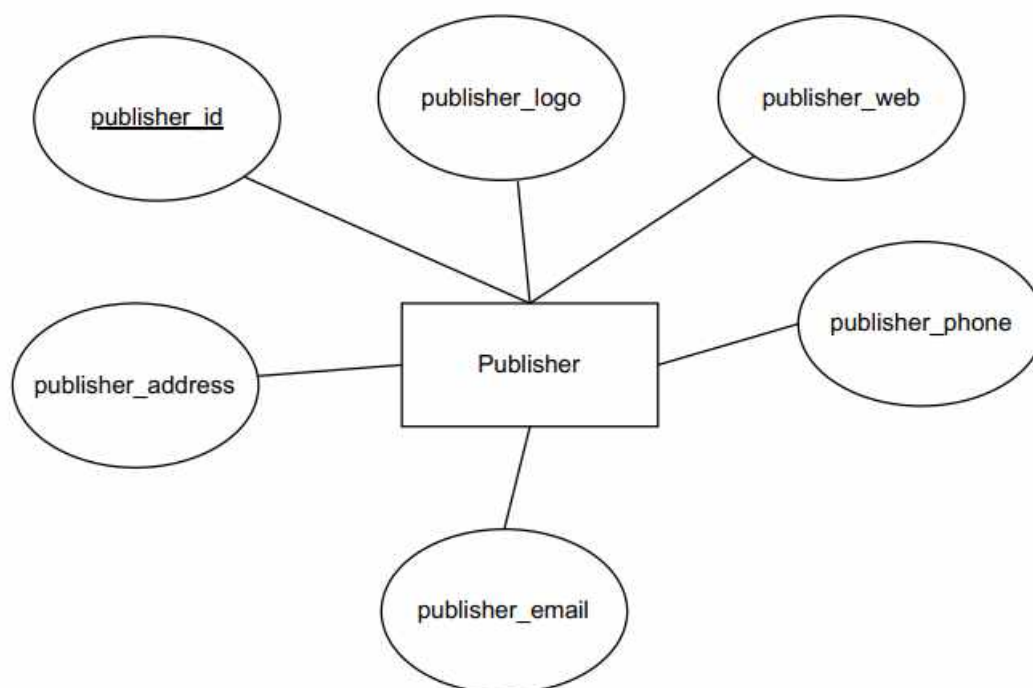
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Design Plan: OnBookStore	Document Name: Entity Relationship Diagram	SWD/Form No.04/ERD/Ver1.0
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Design Plan: OnBookStore	Document Name: Table Design	SWD/Form No.05/TAB/Ver1.0
Effective Date: 21/03/2023	Version 1.0	Page No: 16 of 50

A. Table Design

Book					
Serial	Fields	Data Type	Keys	Constrains	Description
1	book_id	int(11)	Primary key	Not null, auto increment	Book Identification
2	book_name	varchar(50)		Not null	Name of book
3	Book_author	Varchar(50)		Not null	Author of book
4	Book_price	Float		Not null	Price of book
5	Book_des	Varchar(1000)		Not null	Description of book
6	Cat_id	Int(11)	Foreign key	Not null	Category ID
7	Book_status	boolean		Not null	Status of book
8	Discount_id	Int(11)	Foreign key	Not null	Discount ID
9	YearBook	Int		Not null	Year of book

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Design Plan: OnBookStore	Document Name: Table Design	SWD/Form No.05/TAB/Ver1.0
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10	Publish_id	Int(11)	Foreign key	Not null	Publisher ID
11	page	Int		Not null	Pages of book

Categories					
Serial	Fields	Data Type	Keys	Constrains	Description
1	cat_id	int(11)	Primary key	Not null, auto increment	Categories Identification
2	cat_name	varchar(50)		Not null	Name of categories
3	Cat_status	Boolean		Not null	Status of categories

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Design Plan: OnBookStore	Document Name: Table Design	SWD/Form No.05/TAB/Ver1.0
Effective Date: 21/03/2023	Version 1.0	Page No: 18 of 50

Book Image					
Serial	Fields	Data Type	Keys	Constrains	Description
1	img_id	int(11)	Primary key	Not null, auto increment	Image Identification
2	Img_url	varchar(250)		Not null	Image URL
3	Book_id	Int	Foreign key	Not null	Book ID

Webmaster					
Serial	Fields	Data Type	Keys	Constrains	Description
1	Admin_id	int	Primary key	Not null	Id of admin
1	Admin_username	varchar(50)		Not null	Username of webmaster
2	Admin_pwd	varchar(50)		Not null	Password of webmaster
3	Admin_email	varchar(50)		Not null	email of webmaster

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Design Plan: OnBookStore	Document Name: Table Design	SWD/Form No.05/TAB/Ver1.0
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Customer					
Serial	Fields	Data Type	Keys	Constrains	Description
1	id	int(11)	Primary key	Not null, auto increment	Customer ID
2	name	varchar(50)		Not null	Name of customer
3	pwd	Varchar(50)		Not null	Password of customer
4	phone	Varchar(50)		Not null	Phone of customer
5	address	Varchar(250)		Not null	Address of customer
6	gender	boolean		Not null	Gender of customer
7	Email	Varchar(250)		Not null	Email of customer
8	Dob	Datetime		Not null	Date of birth

Discount					
Serial	Fields	Data Type	Keys	Constrains	Description
1	Discount_id	int(11)	Primary key	Not null, auto increment	Discount Identification

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Design Plan: OnBookStore	Document Name: Table Design	SWD/Form No.05/TAB/Ver1.0
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2	discount_name	varchar(50)		Not null	Name of discount
3	discount_des	Varchar(250)		Not null	Description of discount
4	Discount_per	float		Not null	Percentage
5	Discount_start	Varchar(40)		Not null	Start date of discount
6	Discount_end	Varchar(40)		Not null	End date of discount

OrderDetail					
Serial	Fields	Data Type	Keys	Constrains	Description
1	detail_id	int(11)	Primary key	Not null, auto increment	Detail Identification
2	Order_id	Int(11)	Foreign key	Not null	Order ID
3	Book_id	Int(11)	Foreign key	Not null	Book ID
4	Quantity	Int		Not null	Quantity
5	Book_price	double		Not null	Price of book

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Design Plan: OnBookStore	Document Name: Table Design	SWD/Form No.05/TAB/Ver1.0
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OrderMaster					
Serial	Fields	Data Type	Keys	Constrains	Description
1	order_id	int(11)	Primary key	Not null, auto increment	Order Identification
2	Order_date	datetime		Not null	Date of order
3	cus_id	Int(11)	Foreign key	Not null	Customer ID
4	Order_status	Boolean		Not Null	Status of order
5	Shipping_name	Varchar(50)		Not Null	Name of shipping
6	Shipping_phone	Varchar(50)		Not Null	Phone for shipping
7	Shipping_address	Varchar(100)		Not null	Address for shipping
8	Order_note	Varchar(200)		Null	Note of order

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Design Plan: OnBookStore	Document Name: Table Design	SWD/Form No.05/TAB/Ver1.0
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Feedback					
Serial	Fields	Data Type	Keys	Constrains	Description
1	Feedback_id	int(11)	Primary key	Not null, auto increment	Feedback ID
2	Content	varchar(2500)		Not null	Content of feedback
3	rating	Int(5)		Not null	Rating
4	Customer_id	Int(11)	Foreign Key	Not Null	Customer ID
5	Detail_id	Int(11)	Foreign Key	Not Null	Detail ID
6	Book_id	Int(11)	Foreign Key	Not Null	Book ID
7	Name	Int(11)		Not Null	Name of customer

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Design Plan: OnBookStore	Document Name: Table Design	SWD/Form No.05/TAB/Ver1.0
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Publisher					
Serial	Fields	Data Type	Keys	Constrains	Description
1	publisher_id	int(11)	Primary key	Not null, auto increment	Detail Identification
2	Publisher_logo	Varchar(500)		Not null	Logo of publisher
3	Publisher_web	Varchar(500)		Not null	Link web of publisher
4	Publisher_phone	Varchar(12)		Not null	Phone of publisher
5	Publisher_email	Varchar(250)		Not null	Email of publisher
6	Publisher_address	Varchar(50)		Not null	Address of publisher

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Design Plan: OnBookStore	Document Name: Table Design	SWD/Form No.05/TAB/Ver1.0
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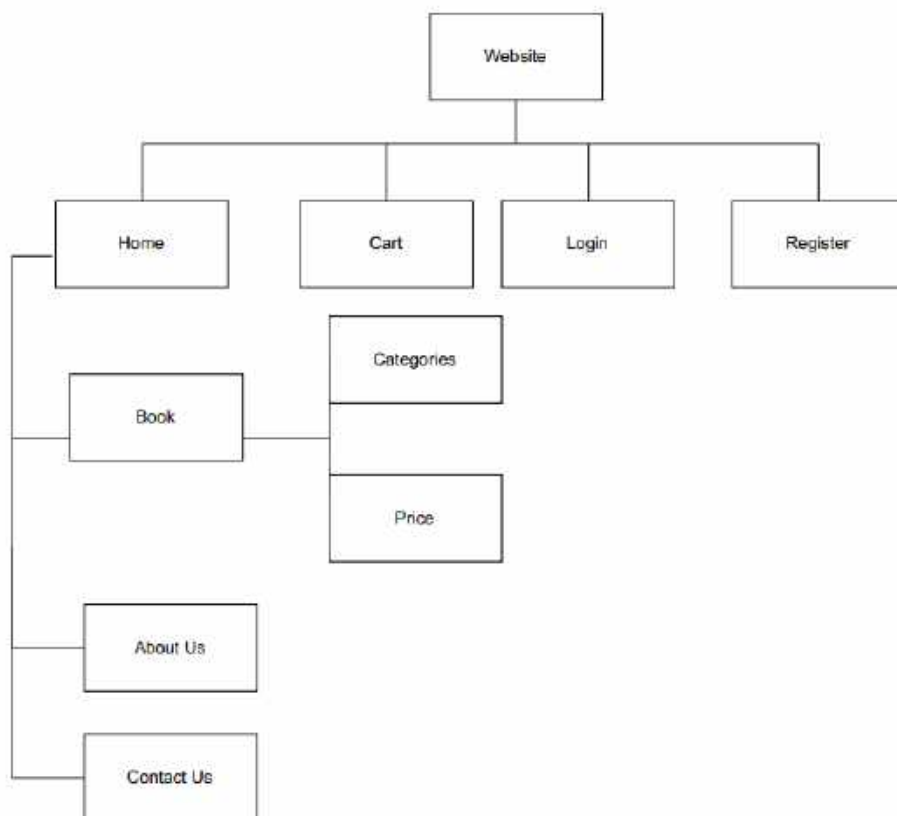
B. Relationship Diagram



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Design Plan: OnBookStore	Document Name: SiteMap	SWD/Form No.06/SM/Ver1.0
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SiteMap

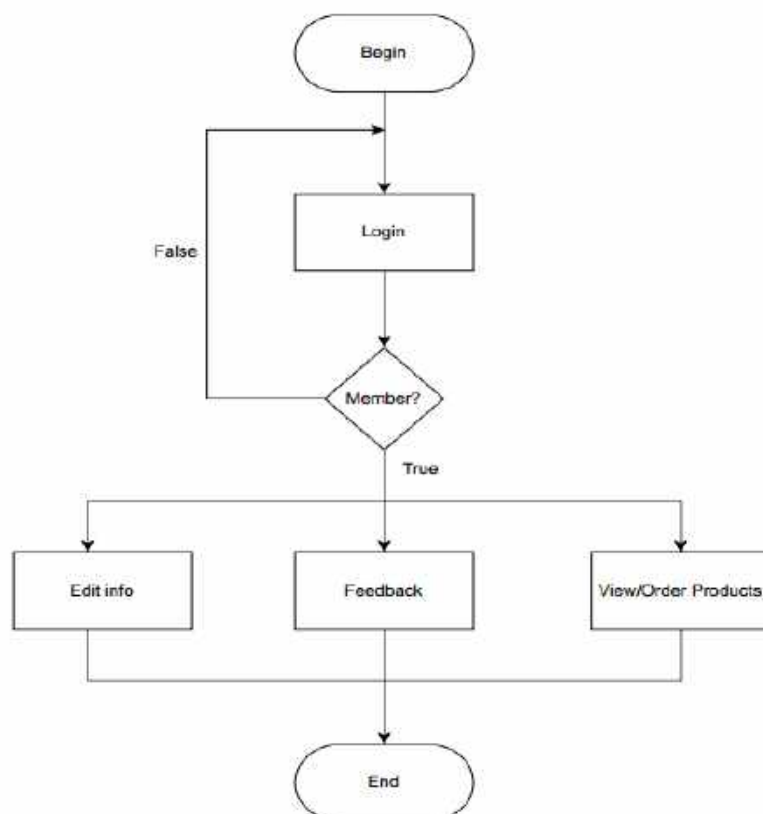


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Design Plan: OnBookStore	Document Name: Algorithm	SWD/Form No.10/FC/Ver1.0
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Algorithm

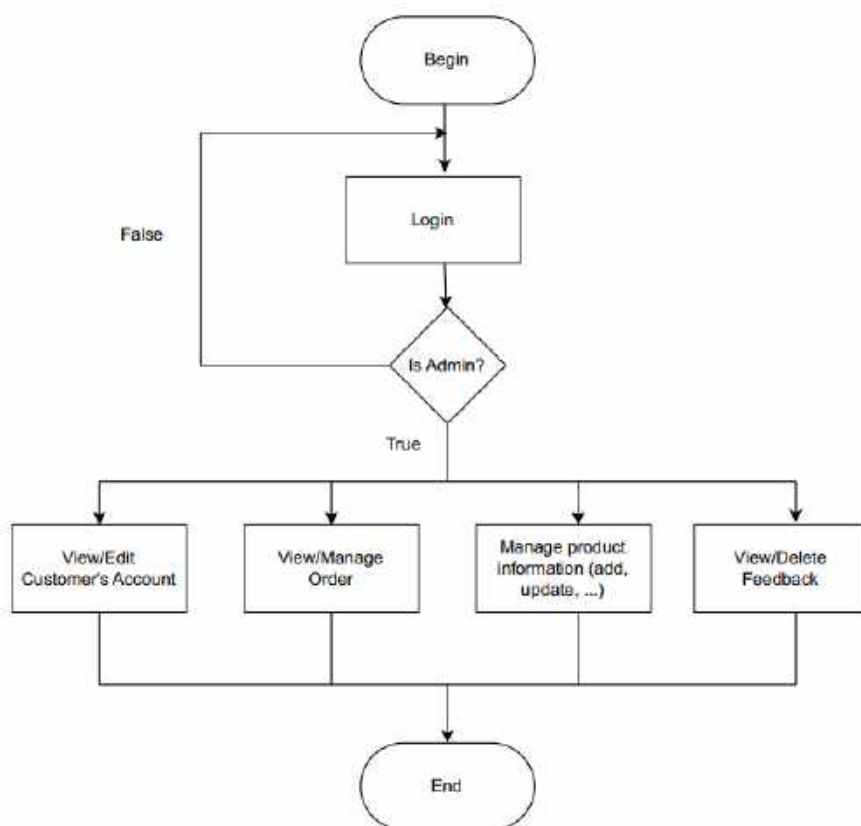
I. User:



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Design Plan: OnBookStore	Document Name: Algorithm	SWD/Form No.10/FC/Ver1.0
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II. Webmaster:



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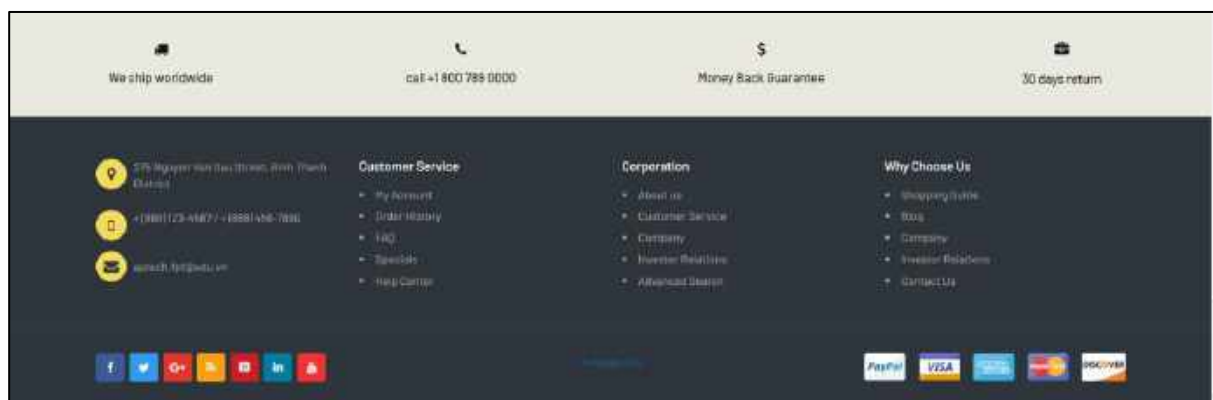
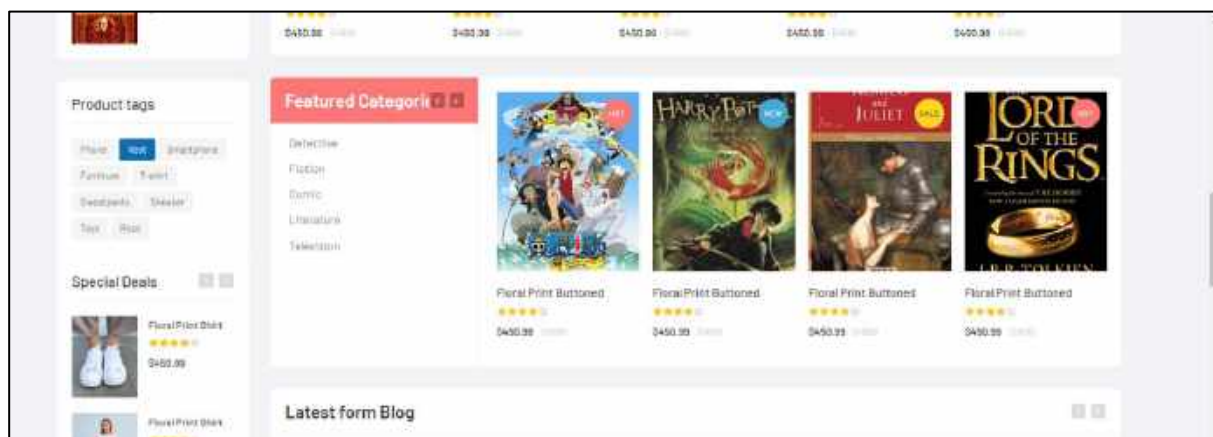
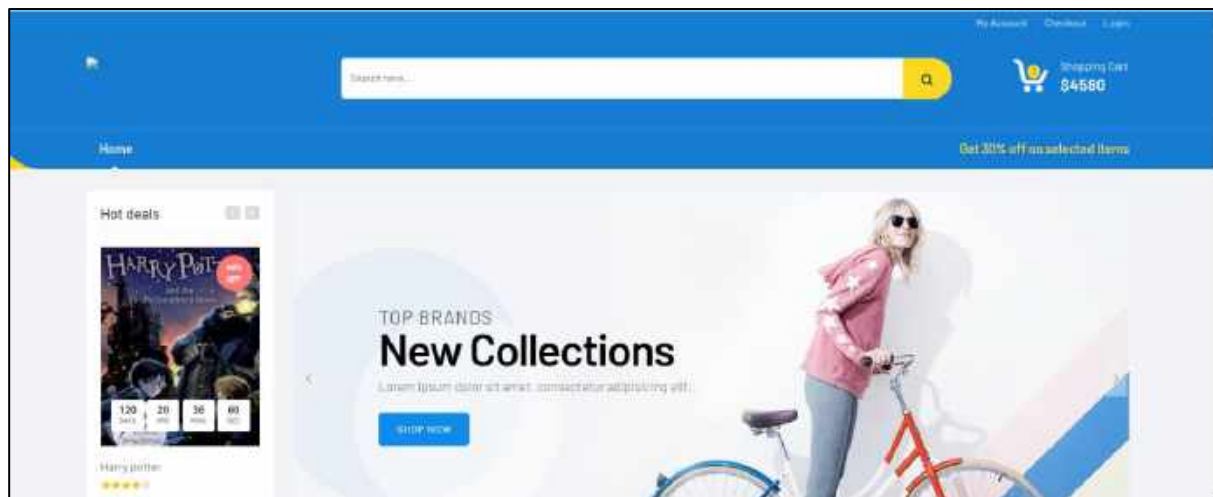
Review 03

Design Plan: OnBookStore	Document Name: Screen shots	SWD/Form No.08/SS/Ver1.0
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Screen shots

- User:

1, Homepage:



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Design Plan: OnBookStore	Document Name: Screen shots	SWD/Form No.08/SS/Ver1.0
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Description : This is home page. It is used for showing all elements of web.

From : homepage

To : Can direct to account info, book menu, about us, checkout,

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Design Plan: OnBookStore	Document Name: Screen shots	SWD/Form No.08/SS/Ver1.0
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2, Register and login page:

Description : Register page allows users to enter information to create an new account and make selections and purchases books.

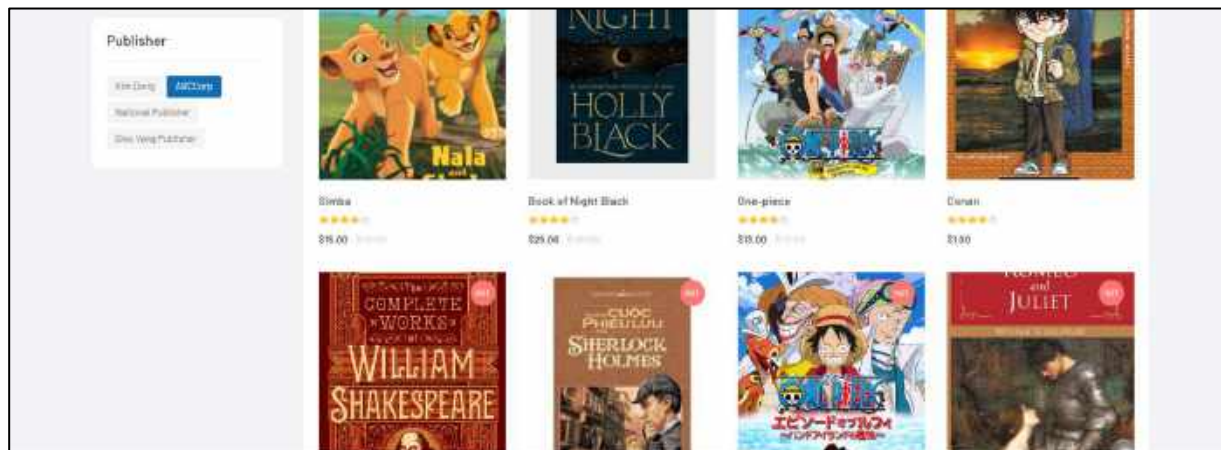
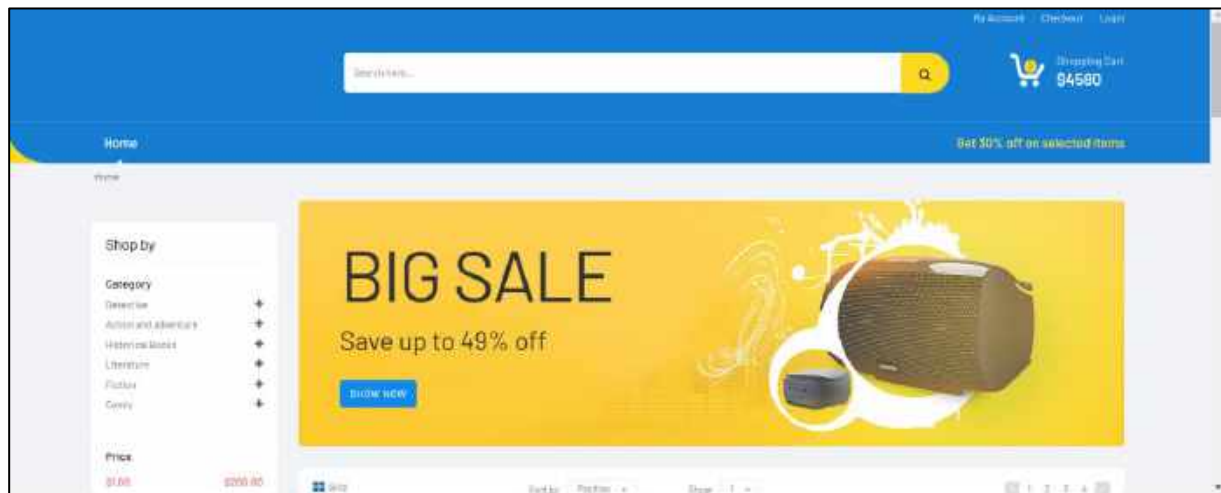
From : Login page

To : book menu, about us, checkout, ..

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Design Plan: OnBookStore	Document Name: Screen shots	SWD/Form No.08/SS/Ver1.0
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3, Book:



Description : This is book menu page. It is used for showing all books that customers that they can select or search by using select all elements: Category, Publisher, Price

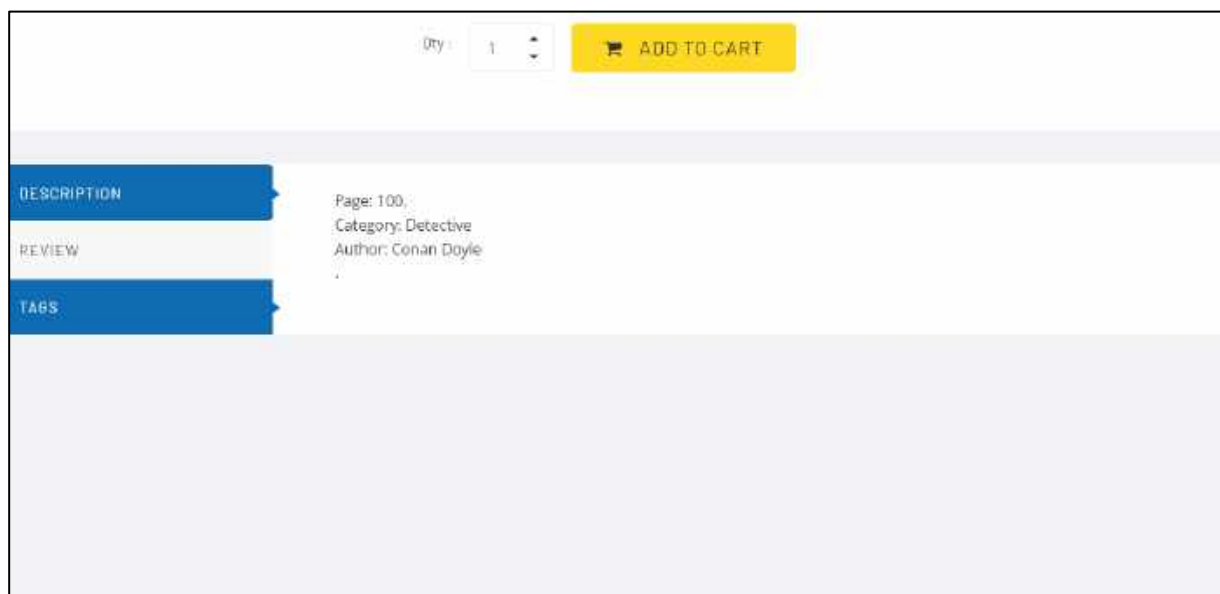
From : Book page

To : Can direct to book menu, about us, checkout, ...or detail page when user click on the one specific book.

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Design Plan: OnBookStore	Document Name: Screen shots	SWD/Form No.08/SS/Ver1.0
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3, Book Detail:



Description : This is book detail page. It shows details of a book, including price author, page, publisher, year of book and description. When customer choose “Add to Cart”, the cart will receive the data

From : Book page

To : Can direct to book menu, about us, checkout, cart page

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	Project Group No:	LE THANH NHAN
Signature		
Date		

Design Plan: OnBookStore	Document Name: Screen shots	SWD/Form No.08/SS/Ver1.0
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4, Shopping Cart:

Bookname	Price	Quantity	Subtotal
How To Be Happy At Work	20.00	2	40
Think and Grow Rich	33.00	4	132
Complete IELTS 91 Student's Book	36.00	1	36
Total			240
Shipping Fee			\$ 9
Overall Total			249

Description : This is shopping cart page. It allows customers to purchase items from our bookstore or store a list of the items they wish to purchase in the future.

From : Cart icon in sidebar menu

To : Book Detail Page, Checkout page

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6, Feedback page:

REVIEW

TAGS

We love this product. 1 days ago
"Lorem ipsum dolor sit amet, consectetur adipiscing elit. Aliquam suscipit."

Write your own review

1 star 2 stars 3 stars 4 stars 5 stars

Quality ☐ ☐ ☐ ☐ ☐

Price ☐ ☐ ☐ ☐ ☐

Value ☐ ☐ ☐ ☐ ☐

Your Name *

Summary *

Review *

SUBMIT REVIEW

Description : This is checkout page which allows customers to enter payment details and shipping details and complete their order.

From : Shopping cart page

To : Homepage when customer complete the order.

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- Webmaster:

1, Login:

Description : This is login page for webmaster. The webmaster will be provided one administrative account to sign in system.

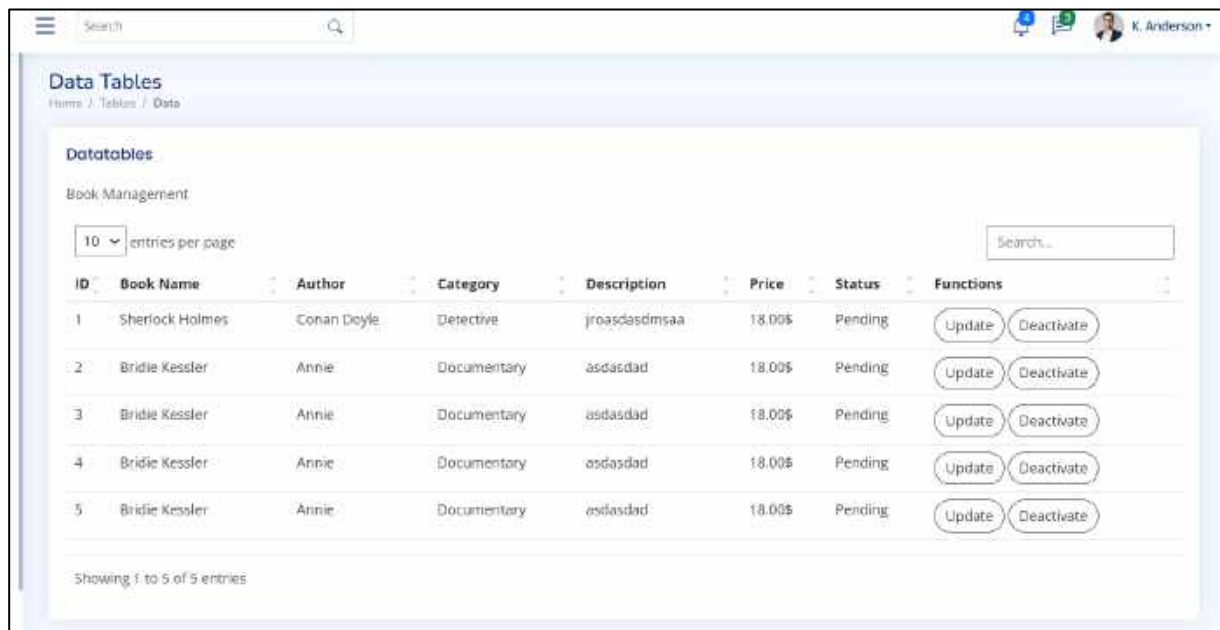
From : index page of webmaster

To : Homepage, book managements, orders managements, customer management.

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2, Book Management page:



Description : This is Book Management page for webmaster. The webmaster will edit some books which is stored in the database by deactivating.

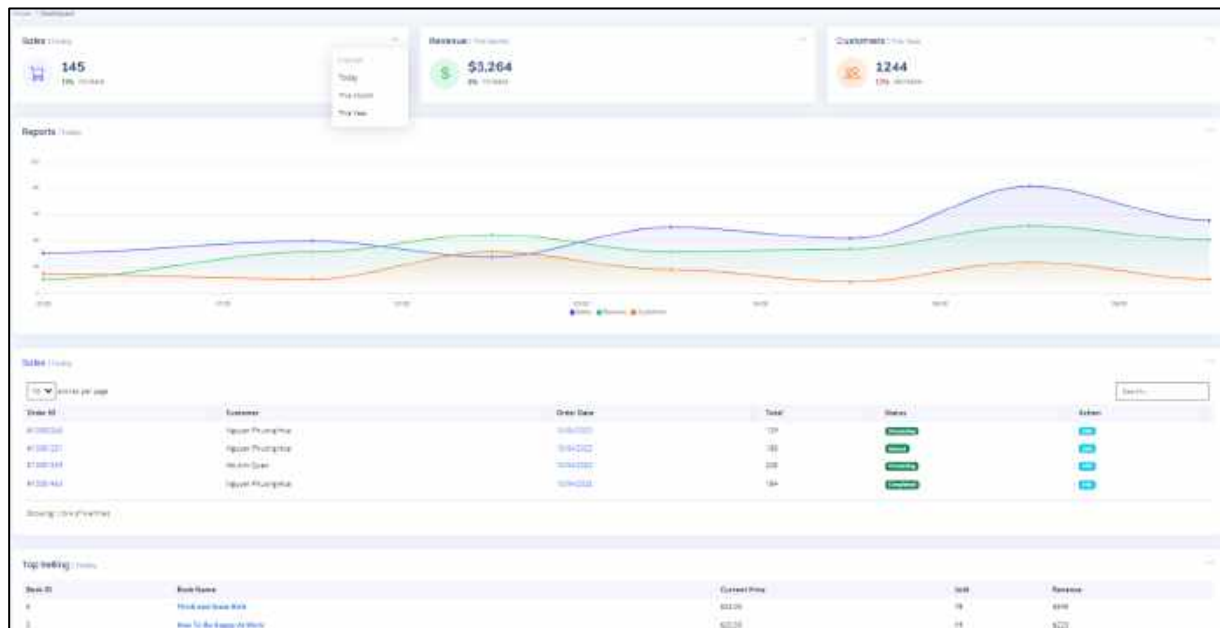
From : index page of webmaster

To : Homepage, orders managements, customer management.

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Design Plan: OnBookStore	Document Name: Screen shots	SWD/Form No.08/SS/Ver1.0
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3, Sale Report Page:



Description : This is dashboard page. It gives admin insights about book store's performance and help admin understand which products, variants are high performers, and which are not.

From : Tab dashboard in in sidebar menu

To : Order detail page...

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4, Order detail page:

The screenshot shows a web interface for managing orders. At the top, there is a breadcrumb 'Home / Order'. Below it is a 'Filter' section with 'From' and 'To' date pickers, both showing 'dd/mm/yyyy'. A dropdown menu indicates '10 entries per page'. To the right of the table is a 'Search...' input field. The table itself has columns for 'Order ID', 'Customer Name', 'Order Status', 'Total', 'Order Date', and 'Action'. It contains four rows of data. At the bottom, it says 'Showing 1 to 4 of 4 entries'.

Order ID	Customer Name	Order Status	Total	Order Date	Action
#10050246	Nguyen Phuong Hoa	Processing	129	10/04/2023	Edit
#10081231	Nguyen Phuong Hoa	Refund	188	10/04/2023	Edit
#10081453	Nguyen Phuong Hoa	Completed	184	10/04/2023	Edit
#10081358	Ho Anh Quan	Processing	208	10/04/2023	Edit

Description : This is order page. It allow admin filter orders by order date, search order by keyword, sort order by total, order date.

From : Tab order in in sidebar menu

To : Order detail page.

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Design Plan: OnBookStore	Document Name: Screen shots	SWD/Form No.08/SS/Ver1.0
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5, Feedback Management Page:

Feedback Management						
ID	Book ID	Customer ID	Name	Rating	Content	Detail ID
1	4	1	Hồ Anh Quân	5	This book is amazing.	1
2	12	2	Nguyễn Phương Hoa	5	Definitely recommend this book	2
3	2	3	Phạm Quốc Chiến	4	The plot was not as good as I hope.	3

Description : This is feedback management page. It allows admin to view feedback of customer.

From : Tab order in in sidebar menu

To : Book Management, Form Book Update

6, Discount Management Page:

Discount							
New Discount							
ID	Name	Description	Percentage	Start	End	Function	
1	Decrease 10%	On international children's day	0.1	ON	OFF	Edit Delete	
2	Decrease 20%	BIG SALE VALENTINE'S DAY	0.2	OFF	ON	Edit Delete	
3	Decrease 30%	Black Friday	0.3	OFF	ON	Edit Delete	
4	Decrease 15%	International Women's Day discount	0.15	OFF	ON	Edit Delete	
5	Decrease 25%	On international children's day	0.25	OFF	ON	Edit Delete	

Description : This is discount management page. It allows admin to view and edit some of discount programs which is applied for book and customer

From : Tab order in in sidebar menu

To : Book Management, Form Discount Update

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Design Plan:	Document Name: Testing document	SWD/Form No.09/TD/Ver1.0
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Testing document

Sr.No	Features Tested	Remarks
1	Records have been stored into the database	
2	Queries for functions such as insert, update, or delete has been used sufficiently	
3	The tables with foreign keys has been tested	Some of fields of table has not appeared
4	Validation of register data has been checked	
5	Validation of log in data has been checked	
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

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Design Plan:	Document Name: Final checklist	SWD/Form No.10/FC/Ver1.0
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Final checklist

Sr.No	Aspected Tested	Suggestion/ Remarks
1	Are all the users able to view the images and links?	
2	Have all the views, modules and controllers been properly integrated and is the site function as a single page application?	
3	Are the GUI content devoid of spelling mistakes?	
4	Is the application user-friendly?	
5	Is the Website launching correctly in all popular browsers?	
6	Are all the forms validated with proper criteria?	
7	Do all text links lead to the appropriate website?	
8	Do all image links lead to the appropriate website?	
9	Are all the images and links clearly visible on the page?	
10	Does the Web page work properly in all the tested browsers?	
11	Does the Web page take too long to be loaded fully?	
12	Is the navigation sequences correct through all the Web pages on the site?	
13	Is the JavaScript code working as expected in all click events?	

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Design Plan:	Document Name: Task Sheet	SWD/Form No.11/TS/Ver1.0
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No	Member	Contents		Table Name	Activity Plan	Date of Preparation of Activity Plan		
					Planned Start Date	Actual Start Date	Actual Days	Status
1	Phạm Quốc Chiến	Admin	Book Management	Book, Categories	21/03/2023	23/03/2023		OK
2					21/03/2023	23/03/2023		OK
3		User			21/03/2023	23/03/2023		OK
4			Book Menu		21/03/2023	23/03/2023		OK
1	Đặng Hoàng Quốc	Admin	Discount Management	Publisher, Discount	21/03/2023	23/03/2023		OK
2					21/03/2023	23/03/2023		OK
3					21/03/2023	23/03/2023		OK
4			Publisher Management		21/03/2023	23/03/2023		OK
1	Hồ Anh Quân	Admin	Feedback Management	Feedback	21/03/2023	23/03/2023		OK
2					21/03/2023	23/03/2023		OK
3		User			21/03/2023	23/03/2023		OK
4			Feedback		21/03/2023	23/03/2023		OK
1	Nguyễn Phương Hoa	Admin	Order Management	OrderMaster, OrderDetail	21/03/2023	23/03/2023		OK
2					21/03/2023	23/03/2023		OK
3		User			21/03/2023	23/03/2023		OK
4			Cart		21/03/2023	23/03/2023		OK
1	Truong Ngọc Minh Cát	Admin	Customer Management	Customer	21/03/2023	23/03/2023		OK
2					21/03/2023	23/03/2023		OK
3		User	Account info		21/03/2023	23/03/2023		OK
4			Log in		21/03/2023	23/03/2023		OK

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Design Plan:	Document Name: Task Sheet	SWD/Form No.11/TS/Ver1.0
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