

APTECH

SFC CENTER

E-PROJECT

2nd-SEMESTER
(DISM)



E - BOOKS

PARTICIPANTS

(PR2-202108B)

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I acknowledge my teachers specially Sir Sheikh Faizan for providing the courses and helping me to develop the skills necessary to design this project. At Last, I would like to thank my family members for their constant and unrelenting support towards my education.

CIRTIIFICATE OF COMPLETION

19th-August

KARACHI, PAKISTAN

E-BOOK

We here by affirm to the best of our knowledge and belief, based on the observation, inspection, testing of our website and upon reports submitted by others, that this website is completely operable. Our website is completed according to instructions provided by your department.

Project Analysis

Requirement Analysis

Requirements analysis process is an important stage in the system development. It determines the functions of the whole system integrity and stability. Software Requirements analysis is an ongoing process of understanding and progressive refinement. Through requirements analysis Marina Fleet will be designed as below.

Requirement Gathering

The purpose of this project is to create a website where the client can, with satisfaction, buy books either physical or an e-book version (pdf).

Requirement Specification

1. A database should be created that holds the details of the books, orders, and that of the customers.
2. The customers who are registered with the site will alone be able to fetch and see the details of the website.
3. The Admin solely should have the rights of uploading the details of the books and as well uploading the books in the PDF document form.
4. As soon as the receipt of an order, the customer should be acknowledged with the details of the order, like address (if ordered for the CD or Hard copy) and then ask for the confirmation of the order.
5. After the confirmation is received from the user, then only the further process has to be taken place.
6. The customer who has requested for the book online in the form of the PDF Document, can only access that document only after the payment is received by the publisher.
7. The contact information is also needed to be provided, which includes the details of the dealers of that location, so that the customer can even purchase that book from the dealer.

Technologies Used

HTML5

Hypertext Markup Language revision 5 (HTML5) is a markup language for the structure and presentation of World Wide Web contents. HTML5 supports the traditional HTML and XHTML style syntax and other new features in its markup, New APIs, XHTML and Error handling.

CSS3

Cascading Style Sheets Level 3 (CSS3) is an iteration of the CSS standard used in styling and formatting Web pages. CSS3 incorporates the CSS2 standard with some changes.

CSS3 makes changes to how some visual elements are implemented and rendered by the browser. However, it is not a single unwieldy specification, unlike CSS2. CSS3 is separated into separate modules to facilitate development. This means that the specification comes out in chunks, with more stable modules than others. Some would be ready for recommendation, while others would be marked as under development drafts, the most recent of which were published as early as June 1999. Some of the major modules of CSS3 are:

- Image values and replaced content
- Text effects
- Selectors
- Backgrounds and borders
- Animations
- User interface (UI)
- Multiple column layout
- 2D/3D transformations

JavaScript

HTML pages are fine for displaying static content, e.g. a simple image or text. However, most pages nowadays are rarely static. Many of today's pages have menus, forms, slideshows and even images that provide user interaction. JavaScript is the language employed by web developers to provide such interaction. Since JavaScript works with HTML pages, a developer needs to know HTML to harness this scripting language's full potential. While there are other languages that can be used for scripting on the Web, in practice it is essentially all JavaScript.

PHP

PHP is a general-purpose scripting language especially suited to web development. It was originally created by Danish-Canadian programmer Rasmus Lerdorf in 1994. The PHP reference implementation is now produced by The PHP Group. PHP originally stood for Personal Home Page, but it now stands for the recursive initialism PHP: Hypertext Preprocessor.

MySQL

MySQL is an open-source relational database management system (RDBMS). Its name is a combination of "My", the name of co-founder Michael Widenius's daughter, and "SQL", the abbreviation for Structured Query Language. A relational database organizes data into one or more data tables in which data types may be related to each other; these relations help structure the data. SQL is a language programmers use to create, modify and extract data from the relational database, as well as control user access to the database. In addition to relational databases and SQL, an RDBMS like MySQL works with an operating system to implement a relational database in a computer's storage system, manages users, allows for network access and facilitates testing database integrity and creation of backups.

Solutions to Functional Requirements

Our Solutions

Below are our solutions to the requirements specified above in functional requirements (pg. 4).

(1) Database.

Table	Action	Rows
<input type="checkbox"/> tbl_book_category	★ Browse Structure Search Insert Empty Drop	7
<input type="checkbox"/> tbl_book_detail	★ Browse Structure Search Insert Empty Drop	6
<input type="checkbox"/> tbl_book_order	★ Browse Structure Search Insert Empty Drop	1
<input type="checkbox"/> tbl_cart	★ Browse Structure Search Insert Empty Drop	3
<input type="checkbox"/> tbl_user_contact	★ Browse Structure Search Insert Empty Drop	1
<input type="checkbox"/> tbl_user_data	★ Browse Structure Search Insert Empty Drop	11
<input type="checkbox"/> tbl_user_reviews	★ Browse Structure Search Insert Empty Drop	19

Solution

A database was created to store book and user details, as well as keep track of orders. Entities and bridge-entities were created to normalize the database and keep data independent.

(2) Details for Customers Only.

```

';
if (isset($_SESSION["userid"]) != null) {
    echo '<a data-bs-toggle="modal" data-bs-target="#myModal" . $row[0] . "" style="background: transparent;">';
}
else{
    echo '<a onclick='login()' style='background: transparent;'>';
}
echo'|
<p class="fas fa-eye" data-bs-toggle="tooltip" title="Book Details"></p>
</a>
</div>

```

Fig. 1

```
<script>
function login() {
    alert('Please Login First');
}
</script>
```


Fig. 2

Solution

A user can only fetch book details if he/she has logged in. Otherwise, the guest user will get alert to logon first (Fig. 1). The *alert* function (Fig. 2).

Uploading Book Details.

Add New Book

Book Title	<input type="text" value="Book Title"/>
Book Publisher	<input type="text" value="Book Publisher"/>
Book Publication Date	<input type="text" value="mm/dd/yyyy"/> 
Book Weight	<input type="text" value="Book Weight"/>
Book Pages	<input type="text" value="Book Pages"/>
Book Rating	<input type="text" value="Book Rating"/>
Book Availability	<input type="text" value="Book Availability"/>
Book About	<input type="text" value="Book About"/>
Book Price HardCopy	<input type="text" value="Book Price HardCopy"/>
Book Price PDFS	<input type="text" value="Book Price PDFS"/>

Solution

The admin solely has the rights to uploading the book details, such as title, author, description, the stock, weight and price of the book.

Dealer's Contact Info

Solution

The dealer's contact info. is add on the website. so the user can directly contact the dealer, if he/she wants to buy the book from the shop in person.

Developer's Guide

ERD (Entity Relationship Diagram)

This is an ERD generated. This shows the different entities and the relation b/w them. As shown below the database is normalized so as to reduce redundancies. For example, the `book_order` bridge entity, who's purpose is to keep track of all the books in an order.

#	Name
1	user_id 🔑
2	role_id
3	user_name
4	user_email
5	user_address
6	user_phone
7	user_image
8	user_subscription
9	user_password

#	Name
1	cart_id 🔑
2	cart_user_id
3	cart_book_id
4	cart_book_name
5	cart_book_image
6	cart_book_price
7	cart_pdf_price
8	cart_cd_price
9	cart_final_price
10	cart_book_quantity
11	cart_book_form
12	cart_form_price
13	cart_status

#	Name	Type	Collation
1	book_id 🔑	int(11)	
2	book_title	varchar(30)	utf8mb4_general_ci
3	book_author	varchar(25)	utf8mb4_general_ci
4	book_author_about	varchar(1000)	utf8mb4_general_ci
5	book_publisher	varchar(30)	utf8mb4_general_ci
6	book_publication_date	date	
7	book_weight	int(11)	
8	book_pages	int(11)	
9	book_rating	int(11)	
10	book_availability	varchar(20)	utf8mb4_general_ci
11	book_about	varchar(1000)	utf8mb4_general_ci
12	book_category_1 🧠	int(11)	
13	book_category_2 🧠	int(11)	
14	book_category_3 🧠	int(11)	
15	book_price_hardcopy	int(11)	
16	book_price_pdf	int(11)	
17	book_price_cd	int(11)	
18	book_image	varchar(500)	utf8mb4_general_ci

#	Name
1	review_id 🔑
2	review_name
3	review_email
4	review_stars
5	review_description
6	review_approvel
7	review_image

#	Name
1	contact_id 🔑
2	contact_name
3	contact_email
4	contact_message

#	Name	Type
1	order_id 🔑	int(11)
2	user_id	int(11)
3	user_name	varchar(25)
4	user_number	int(11)
5	user_email	varchar(25)
6	order_method	varchar(50)
7	user_address	varchar(500)
8	total_products	varchar(1000)
9	total_price	int(11)
10	placed_on	varchar(50)
11	payment_status	varchar(25)

Checkout Process

```
$user_id = $_SESSION['userid'];

if (isset($_POST['order_btn'])) {

    $name = mysqli_real_escape_string($con, $_POST['name']);
    $number = $_POST['number'];
    $email = mysqli_real_escape_string($con, $_POST['email']);
    $method = mysqli_real_escape_string($con, $_POST['method']);
    $address = mysqli_real_escape_string($con, $_POST['house/flat']);
    $placed_on = date('d-M-Y');

    $cart_total = 0;
    $cart_products[] = '';


    $cart_query = mysqli_query($con, "SELECT * FROM `tbl_cart` WHERE cart_user_id = '$user_id'");
    if (mysqli_num_rows($cart_query) > 0) {
        while ($cart_item = mysqli_fetch_assoc($cart_query)) {
            $cart_products[] = $cart_item['cart_book_name'] . ' (' . $cart_item['cart_book_quantity'] . ')';
            $sub_total = ($cart_item['cart_final_price'] * $cart_item['cart_book_quantity']);
            $cart_total += $sub_total;
        }
    }

    $total_products = implode(' , ', $cart_products);




    $order_query = mysqli_query($con, "SELECT * FROM `tbl_book_order`
    WHERE user_name = '$name'
    AND user_number = '$number'
    AND user_email = '$email'
    AND order_method = '$method'
    AND user_address = '$address'
    AND user_number = '$number'
    AND user_email = '$email'
    AND order_method = '$method'
    AND user_address = '$address'
    AND total_products = '$total_products'
    AND total_price = '$cart_total'");

    if ($cart_total == 0) {
        $message[] = 'your cart is empty';
    } else {
        if (mysqli_num_rows($order_query) > 0) {
            $message[] = 'order already placed!';
        } else {
            mysqli_query($con, "INSERT INTO `tbl_book_order`('user_id', `user_name`, `user_number`, `user_email`, `order_method`, `user_address`, `total_products`,
            `total_price`, `placed_on`, `payment_status`)
            VALUES('$user_id', '$name', '$number', '$email', '$method', '$address', '$total_products', '$cart_total', '$placed_on', 'pending')");
            $message[] = 'order placed successfully!';
            // mysqli_query($con, "DELETE FROM `tbl_cart` WHERE user_id = '$user_id'");
        }
    }
}
```

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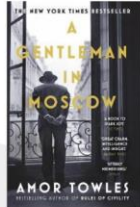
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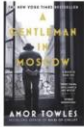




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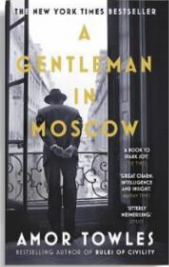
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Publisher
Windmill Books

Publication Date
2017-06-07

Number Of Pages
480 Pages

Rating
5

About Book

On 21 June 1922, Count Alexander Rostov – Recipient Of The Order Of Saint Andrew, Member Of The Jockey Club, Master Of The Hunt – Is Escorted Out Of The Kremlin, Across Red Square And Through The Elegant Revolving Doors Of The Hotel Metropol. Deemed An Unrepentant Aristocrat By A Bolshevik Tribunal, The Count Has Been Sentenced To House Arrest Indefinitely. But Instead Of His Usual Suite, He Must Now Live In An Attic Room While Russia Undergoes Decades Of Tumultuous Upheaval.


About Author

Amor Towles Is An American Novelist. He Is Best Known For His Bestselling Novels Rules Of Civility, A Gentleman In Moscow, And The Lincoln Highway.

Price
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24/7 Support

Hardware/ Software Requirements :

Hardware :

- A minimum computer system that will help you access all the tools in the courses is a Pentium 166 or better
- 128 Megabytes of RAM or better

Software:

- PHP
- MySQL
- PERL
- Apache

User Guide :

ADMIN:

- Email : admin@admin.com
- Password : admin123

THANK YOU!
