# Vivekananda Institute of Professional Studies

**(Affiliated to Guru Gobind Singh Indraprastha University)**

(Batch: 2017-2020)

# PROJECT REPORT

# ON

# *"Online Book Store"*

Submitted in partial fulfillment of the

Requirement for the award of the degree of

**Bachelor of Computer Application**

योगः कर्मसु कौशलम्

IN PURSUIT OF PERFECTION


Submitted To

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Submitted By

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V- B

# CERTIFICATE

This is to certify that I TEJUS SAHI of BCA 5th Semester from Vivekananda Institute of Professional Studies, Delhi has presented this project work entitled "PROJECT", an online bookstore website in partial fulfillment of the requirements for the award of the degree of Bachelor of Computer Applications under our supervision and guidance.

# ACKNOWLEDGEMENT

It is our proud privilege to express our profound gratitude to the entire management of Vivekananda Institute of Professional Studies and teachers of the institute for providing us with the opportunity to avail the excellent facilities and infrastructure. The knowledge and values inculcated have proved to be of immense help at the very start of my career. Special thanks to Hon'ble Founder, Vivekananda Institute of Professional Studies, Delhi for having provided us an excellent infrastructure at VSIT.

I am grateful to Dr. Supriya Madan (Dean, VSIT), and "project guide" for their astute guidance, constant encouragement and sincere support for this project work.

Sincere thanks to all my family members, seniors and friends for their support and assistance throughout the project.

Tejus Sahi

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# Chapter 1

# INTRODUCTION

The goal of this master's project is to design an online bookstore named Bookshop.com that sells computer, technical, architecture, sports and various categories books. The book inventories are stored in Mysql database. Customers can access the bookstore web site through the World Wide Web. Customers will be able to search the database to find the books they want, check the availability, and place the order to buy the book using their credit cards.

This Application software allow customer to search the inventory of these real bookstores, and display the searching results such as the title, the price and availability of the book.

By using this project, the user can save his or her time by purchasing the product which time they are wasting by roaming in the market. From here, they can get most probably all the things they want besides fast moving Entertainment goods. They have various choices in the one Collection.

## 1.1 OBJECTIVE OF THE SYSTEM

This project will serve the following objectives:-

1. Provides the user with easy and friendly interface
2. Add and maintain record of available products
3. Add and maintain description of products
4. Provides attractive discounts
5. Accepts Customer Feedback
6. To follow SDLC to develop the system
7. Provides a convenient solution for selling books

## 1.2 JUSTIFICATION AND NEED FOR THE SYSTEM

Nowadays when everyone is so busy and occupied, we all want ease of work. And with the lack of time arises the need of these kinds of applications that would provide all the facilities to the customer (user), and the manager/admin at one place. Now, the admin can handle all its book added to website at one place.

There is always a need of a system that will perform to search and purchase books, online according categories and subcategories. The Books can be add to cart, recalculate total or can delete from cart by online activities.

Thus, there is a big need of a Online Bookshop, which provides all the Above- mentioned facilities and many more.

In our project, we have tried to implement the concept of the E-commerce thoroughly but as we know that, we have to do the project while learning the E-commerce it means that studying & implementing that concept we have to do simultaneously. We tried to make it perfect but humans are doing mistakes only so that we have put suggestion part also for the customer so that they can help us to improving our site by giving their suggestion to us.

## 1.3 Advantages of the system

1. **Easiness in modification of data**: The proposed system provides managing of huge data effectively and efficiently for efficient results, storing the details of the products, users, etc. in such a way that the database can be modified.

2. **User friendly**: The proposed system is user friendly because the retrieval and storing of data is fast and data is maintained efficiently. Moreover the graphical user interface is provided in the proposed system, which provides user to deal with the system very easily.

3. **Customer Feedback**: The users of the system are entitled to a feedback about the auctioned item that they have added.

4. **No or very few paperwork**: The proposed system either does not require paper work or very few paper works is required. All the data is feted into the computer immediately and various feedbacks and reports can be generated through computers. Since all the data is kept in a database no data of the organization can be destroyed. Moreover work becomes very easy because there is no need to keep data on papers.

5. **Support strategic competitive advantage**: Proposed system supports strategic competitive advantages. Since the proposed systems provide easiness in reports generating it will provide strategic advantages among competitors.

6. **Computer operator control**: Computer operator control will be there no errors. Moreover storing and retrieving of information is easy. So work can be done speedily and in time.

# 1.4 Previous work or related systems; how they are used.

Before we begin a new system it is important to study the system that will be improved or replaced (if there is one). We need to analyze how this system uses hardware, software, network and the people resources to convert data resources, such as transaction data, into information products, . Thus we should document how the information system activities of input, processing, output, storage and control are accomplished.

Following are the problems associated with the previous project which led to the creation of the proposed project:-

1.**Inability of modification of data:** The managing of huge data effectively and efficiently for efficient results, storing the details of the products etc. in such a way that the database can be modified as not possible in the current system.

2.**Not user friendly:** The existing system is not user friendly because the retrieval and storing of data is slow and data is not maintained efficiently.

3.**Difficulty in reports generating**: Either no reports generating in a current system or they are generated with great difficulty reports take time to generate in the current system.

4.**Manual operator control:** Manual operator control is there and leads to a lot of chaos and errors.

5.**Lot of paperwork:** Existing system requires lot of paper work and even a small transaction require many papers fill. Moreover any unnatural cause (such as fire in the organization) can destroy all data of the organization. Loss of even a single paper led to difficult situation because all the papers are interrelated.

# Chapter 2

# REQUIREMENT ANALYSIS

The software and hardware requirements, which are necessary for successfully running this system. The major element in building systems is selecting compatible hardware and software. The system analyst has to determine what software package is best for the **"Online Bookshop System"** and, where software is not an issue, the kind of hardware and peripherals needed for the final conversion.

## 2.1 ANALYSIS STUDY

To provide flexibility to the users, the interfaces have been developed that are accessible through a browser. The GUI'S at the top level have been categorized as

1. Administrative user interface
2. The operational or generic user interface

The 'administrative user interface' concentrates on the consistent information that is practically, part of the organizational activities and which needs proper authentication for the data collection. These interfaces help the administrators with all the transactional states like Data insertion, Data deletion and Date updation along with the extensive data search capabilities.

The 'operational or generic user interface' helps the end users of the system in transactions through the existing data and required services. The operational user interface also helps the ordinary users in managing their own information in a customized manner as per the included flexibilities.

## 2.2 SYSTEM OVERVIEW

**It allows registered users to do the following:**

- Login
- Browse and query books based on price, title, and category
- Add books to shopping cart.
- Update quantity in shopping cart
- Remove books from shopping cart
- Finalize order for books in shopping cart
- See the status of orders placed in the past - orders history.
- Cancel an order, if status of the order is new.

## 2.4 Final Requirements

**User Oriented:** A system should be more user friendly not of the technical point of view

**Better GUI:** All the elements used in the system should be of interactive in nature that is its look and feel is not so boring that the user could get bored while using it.

**Reliability:** The system should be reliable and fast in processing

**Data security:** Access to the organizational data is not to be granted to any unknown person which is not a part of the transaction

**Confidentiality:** Whatever the user is providing to the organization ,the user has the full rights to modify it and it could be not be accessed/modified without users permission

**Better Management of information:** All the information should be managed that is the flow of the information is to be in right track

**Presentation:** The content that is to be presented to the user is to be presented in such a way that is self explanatory to the user and he/she is satisfied with the data.

# Chapter 3

# DESIGN OF THE SYSTEM

## 3. Software requirements

| | |
|---|---|
| Platform | Platform Independent |
| The Operating System | Windows 7 OR Higher |
| Framework | Eclipse, Apache Tomcat Server |
| Front-End Tool | Google Chrome |
| Back-End Tool | PHP,MySQL Database |

## 3.1.1 Hardware Requirements

| | |
|---|---|
| Processor | Intel Pentium IV 2.9 GHz Other |
| RAM | Minimum 2 GB |
| Graphics | Integrated graphics card |
| Hard Disk | Minimum 256 GB |

## 3.2 System Requirements

## 3.2.1 User Interface Requirements

The user of the proposed system requires that the developed software should be user friendly, have security access, and ensure the privacy of the administrator and produce results in timely manner. The users are not frequently exposed to the reservation system, so the system interface to the user must be simple and understandable. The web pages must be user-friendly and must be in an easy-to-use style. The user must be able to easily switch among various I/O screens. The product is well designed so that it can be used easily by the users who are novices to the system.

## 3.2.2 Database Requirements

The database should be designed in such a way that it enhances the efficient searching , reservation and manipulation of all the information associated. For instance all general information regarding an item attribute should be stored in a particular table.

The database should be organized in such a way that it helps in searching and reserving various essential summaries needed for users.

### 3.2.3 Functional Requirements

The various functional requirements of the system can be summarized as:-

(a) A home page that is user friendly and ambiguous.

(b) It is easy to look for the desired information.

(c) User can easily buy books.

## 3.4 ER DIAGRAM

Entity – Relationship model (ER model) in software engineering is an abstract way to describe a database. This article refers to the techniques proposed in Peter Chen's 1976 paper. However, variants of the idea existed previously, and have been devised subsequently such as super type and subtype data entities and commonality relationships.

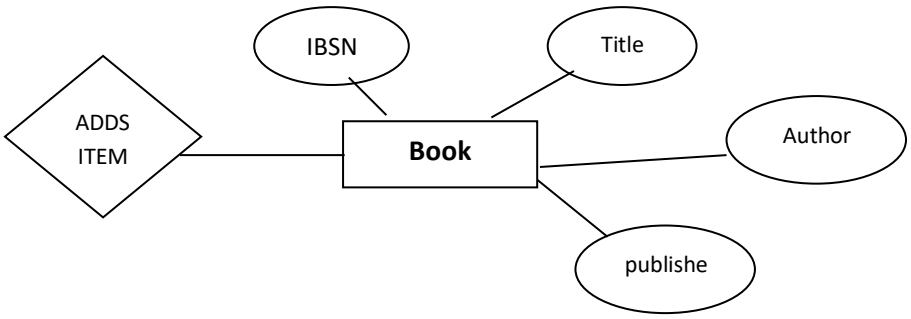
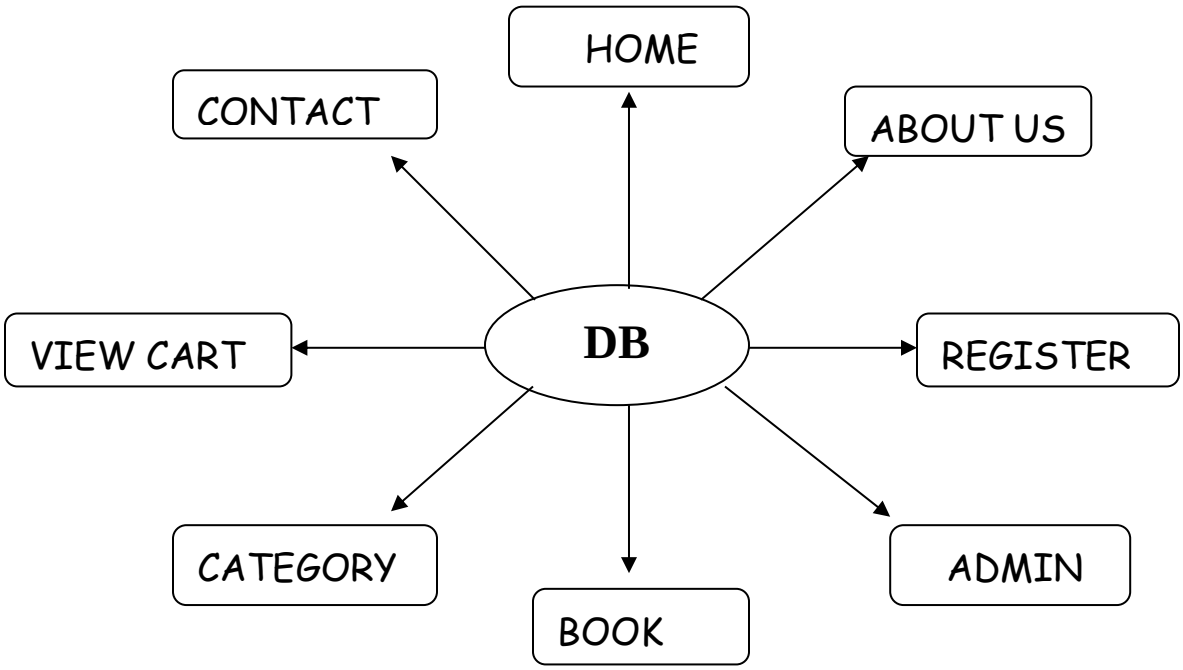



**Fig 3.3 ER diagram**

## 3.5 FLOW DIAGRAM (FD)




A FD shows what kinds of information will be input to and output from the system, where the data will come from and go to, and where the data will be stored. It does not show information about the timing of processes, or information about whether processes will operate in sequence or in parallel (which is shown on a flowchart).

# Chapter 4

# IMPLEMENTATION AND CODING

**BOOK TABLE**

| # | Name | Type | Collation | Attributes | Null | Default | Comments | Extra |
|---|---|---|---|---|---|---|---|---|
| 1 | **book_isbn** | varchar(20) | latin1_general_ci | | No | *None* | | |
| 2 | **book_title** | varchar(60) | latin1_general_ci | | Yes | *NULL* | | |
| 3 | **book_author** | varchar(60) | latin1_general_ci | | Yes | *NULL* | | |
| 4 | **book_image** | varchar(40) | latin1_general_ci | | Yes | *NULL* | | |
| 5 | **book_descr** | text | latin1_general_ci | | Yes | *NULL* | | |
| 6 | **book_price** | decimal(6,2) | | | No | *None* | | |
| 7 | **publisherid** | int(10) | | UNSIGNED | No | *None* | | |

Indexes

| Keyname | Type | Unique | Packed | Column | Cardinality | Collation | Null | Comment |
|---|---|---|---|---|---|---|---|---|
| PRIMARY | BTREE | Yes | No | book_isbn | 11 | A | No | |

Partitions

No partitioning defined!

Information

| Space usage | | |
|---|---|---|
| Data | 16 | KiB |
| Index | 0 | B |
| Overhead | | |
| Effective | 16 | KiB |
| Total | 16 | KiB |

| Row statistics | |
|---|---|
| Format | dynamic |
| Collation | latin1_general_ci |
| Next autoindex | 0 |
| Creation | Nov 20, 2019 at 10:26 PM |
| Last update | Nov 21, 2019 at 08:03 PM |
| Last check | Nov 21, 2019 at 04:58 PM |

**Fig. 4.1 Book table**

**PUBLISHER TABLE**

| # | Name | Type | Collation | Attributes | Null | Default | Comments | Extra |
|---|---|---|---|---|---|---|---|---|
| 1 | publisherid | int(10) | | UNSIGNED | No | *None* | | AUTO_INCREMENT |
| 2 | publisher_name | varchar(60) | latin1_general_ci | | No | *None* | | |

Indexes

| Keyname | Type | Unique | Packed | Column | Cardinality | Collation | Null | Comment |
|---|---|---|---|---|---|---|---|---|
| PRIMARY | BTREE | Yes | No | publisherid | 6 | A | No | |

Partitions

No partitioning defined!

Information

| Space usage | | |
|---|---|---|
| Data | 16 | KiB |
| Index | 0 | B |
| Overhead | | |
| Effective | 16 | KiB |
| Total | 16 | KiB |

| Row statistics | |
|---|---|
| Format | dynamic |
| Collation | latin1_general_ci |
| Next autoindex | 7 |
| Creation | Nov 20, 2019 at 10:26 PM |
| Last update | Nov 21, 2019 at 05:03 PM |
| Last check | Nov 21, 2019 at 05:03 PM |

**Fig 4.2 Publisher Table**

# 4.1 OPERATING SYSTEM

**Platform Independent:** Since the project is done completely in php, it also executes main properties of language. The application is platform independent. So the client systems may have vista, Linux, Mac or any other operating system, but they can connect to server easily without any dependencies of OS.

# 4.2 Languages used

## 1.PHP

**Definition of PHP:** PHP can be defined as a programming language for Database access from the web's browser. In other words, it is an HTML-embedded scripting language. It focuses on the logic of how a page responds to user input and not how the page looks that i.e. not the primary appearance of the page.

PHP runs on the server side, which means that the web server that sends an HTML file to a user's browser, will carry out the instructions found in the embedded PHP code first, and then send the output of the PHP code along with the HTML code. The result is a webpage with dynamic content.

### PHP and its Uses:

Php can help read and write files. It also can do basic files and directory maintenance; therefore it basically can help one in editing documents. It can also take content that can be used in the generation of files in various formats which can include HTML (Hypertext Markup Language) and PDF.
It also can help manage graphical content which include charts. Not only can it do the above but can it also read, write information in a database. You can make a PHP script to run it without any server or browser. You only need the PHP interpreter to use it. PHP's abilities include outputting images, PDF files, and even Flash movies. PHP can help also output easily any text, such as XML

### Advantages and Disadvantages of PHP:

It is more or less cost –free in other words, PHP is an Open Source solution, freely available for a wide variety of platforms. It is also easy, as it's a combination of C and Perl. The strongest and most significant feature of PHP is its native database support for a wide range of databases for example (MySQL, mSQL, Oracle), which allows access to the databases directly through SQL statements.*

There is a cross-platform compatibility (Windows, Macintosh, or a version of Unix,): Compiled and is built on more than 25 platforms. With PHP, you have 'freedom of choice' regarding an operating system and a Web server. The error handling is not as sophisticated as in ASP (Active Server Pages).

# HTML

HTML is the standard markup language for creating Web pages.

- HTML stands for Hyper Text Markup Language
- HTML describes the structure of a Web page
- HTML consists of a series of elements
- HTML elements tell the browser how to display the content
- HTML elements are represented by tags
- HTML tags label pieces of content such as "heading", "paragraph", "table", and so on
- Browsers do not display the HTML tags, but use them to render the content of the page

# CASCADING STYLE SHEET(CSS)

Cascading Style Sheets (CSS) are a collection of rules we use to define and modify web pages. CSS are similar to styles in Word. CSS allow Web designers to have much more control over their pages look and layout. For instance, you could create a style that defines the body text to be Verdana, 10 point. Later on, you may easily change the body text to Times New Roman, 12 point by just changing the rule in the CSS. Instead of having to change the font on each page of your website, all you need to do is redefine the style on the style sheet, and it will instantly change on all of the pages that the style sheet has been applied to. With HTML styles, the font change would be applied to each instance of that font and have to be changed in each spot.

# SQL

- SQL stands for Structured Query Language
- SQL lets you access and manipulate databases
- SQL became a standard of the American National Standards Institute (ANSI) in 1986, and of the International Organization for Standardization (ISO) in 198

**What Can SQL do?**

- SQL can execute queries against a database
- SQL can retrieve data from a database
- SQL can insert records in a database
- SQL can update records in a database
- SQL can delete records from a database
- SQL can create new databases
- SQL can create new tables in a database
- SQL can create stored procedures in a database
- SQL can create views in a database

# 4.3 S/W Tools

## 4.3.1 APACHE

The Apache HTTP Server, commonly is a web server software notable for playing a key role in the initial growth of the World Wide Web. In 2009 it became the first web server software to surpass the 100 million website milestone.

Apache was the first viable alternative to the Netscape Communications Corporation web server (currently named Oracle iPlanet Web Server), and since has evolved to dominate other web servers in terms of functionality and performance. Typically Apache is run on a Unix-like operating system, and was developed for use on Linux.

# 4.4 CODING

### 4.4.1 index.php

```
<?php include "config/connect.php" ?>
<?php
$sql ="SELECT book_isbn, book_title, book_author, book_image FROM books ORDER BY book_isbn ASC";
$result = mysqli_query($conn , $sql);
$books = mysqli_fetch_all($result , MYSQLI_ASSOC);
// not imp
mysqli_free_result($result);
// not imp
mysqli_close($conn);

//print_r($books);
explode(',', $books[0]['book_author'])
?>

<!DOCTYPE html>
<html>
<head>
```

```
</head>
<body>
<?php include "hdrnftr/interface.php" ?>
<h4 class="center red-text "></h4>
<div class="container ">
        <div class="row ">
                <?php foreach( $books as $book){ ?>
                        <div class="col s6 md3 ">
                                <div class="card z-depth-0 "  id="qw">
                                        <img                class="img-responsive                img-thumbnail"
src="./bootstrap/img/<?php echo $book['book_image']; ?>">
                                        <div class="card-content center " id="we">
                                        <h4> TITLE : <?php echo htmlspecialchars($book['book_title']); ?>
</h4>
                                        <ul>Author : <br>
                                                <?php foreach(explode(',', $book['book_author']) as $easy){
?>
                                                        <li><?php echo htmlspecialchars($easy) ?></li>
                                                <?php } ?>
                                        </ul>
                                        </div>

                                        <div class="card-action right-align">
                                                <a    class="brand-text"    href="book.php?bookisbn=<?php
echo $book['book_isbn']?>">more info</a>
                                                <a     href="Carttry.php     "id="we"     class="btn     btn-
primary">Add to MY  CART</a>
                                        </div>
                        </div>
                </div>

                <?php } ?>
```

```
        </div>
</div>
<?php include "hdrnftr/footer.php" ?>
</body>
</html>
```

### 4.4.2 Contact.php

```
<?php include "contactnav.php" ?>
<?php include "contacttry.php" ?>
<!DOCTYPE html>
<html lang="en">
<head>
   <style type="text/css">
      #c{
      margin: 0 auto;
      }
   </style>
</head>
<body>

      <div class="row">
         <div class="box">
            <div class="col-lg-12">

               <h2 class="intro-text text-center "  style="color: white" align="center"><u>Contact
                  Form</u>
               </h2>
               <h5 class="intro-text text-center "  style="color: white" align="center"><p>I'd love to hear
from you! <br>Complete the form to send me an email.</p>
               </h5>

               <div class="center" >
               <section class="container grey-text ">
               <form id="c" class="white"  method="POST" >
                  <div class="row">
                     <div class="form-group col-lg-4">
                        <label>Name</label>
```

```
                    <input type="text" id="fname" name="fname" maxlength="25" class="form-
control">
                </div><br>
                <div class="form-group col-lg-4">
                    <label>Email Address</label>
                    <input type="email" id="email" name="email" maxlength="25" class="form-
control">
                </div><br>
                <div class="clearfix"></div>
                <div class="form-group col-lg-12">
                    <label>Message</label>
                    <textarea class="form-control" id="message" name="message" maxlength="100"
rows="6"></textarea>
                </div><br>
                <div class="form-group col-lg-12" align="center">
                    <button type="submit" id="contact" class="btn btn-default
center">Submit</button>
                </div>
              </div>
            </form></section>
          </div>
        </div>
      </div></div>
  </div></body>
  >
<<?php include 'hdrnftr/footer.php'; ?>
</html>
```


### 4.4.3 About.php

```
<?php include "navtry.php" ?>
<!DOCTYPE html>
<html lang="en">

<head>
    <title>About</title>

</head>

<body>
    <div class="container">
        <div class="row">
            <div class="box">
                <div class="col-lg-12">
                    <hr>
                    <h3 class="intro-text text-center " align="center" style="color: white">
                        <strong>ABOUT</strong>
```

```
            </h3>
            <h5 align="center" style="color: white">
              This Website is developed by Kartik Gambhir And Tejus Sahi.<br> Website is made using PHP and MySQL.
            </h5>
            <hr>
          </div>
          <div class="col-md-8" align="center">
           <iframe src="https://www.google.com/maps/embed?pb=!1m14!1m8!1m3!1d875.009757955646!2d77.134488!3d28.688479!3m2!1i1024!2i768!4f13.1!3m3!1m2!1s0x0%3A0x8e5be1770384217a!2sManorama%20Book%20Store!5e0!3m2!1sen!2sin!4v1571042880220!5m2!1sen!2sin" width="600" height="450" frameborder="0" style="border:0;" allowfullscreen=""></iframe>
          </div>
          <div class="col-md-4">
            <p style="color: white">Phone:
              <strong>9876543210</strong>
            </p>
            <p style="color: white">Email:
              <strong>info@thebookstore.com</a></strong>
            </p>
            <p style="color: white">Address:
              <strong>LG-7 ,Vardhaman plaza, Rani Bagh Road, Pitampura ,
                <br> Delhi-110034</strong>
            </p>
          </div>
          <div class="clearfix" style="color: white"></div>
        </div>
      </div>


    </div>
```

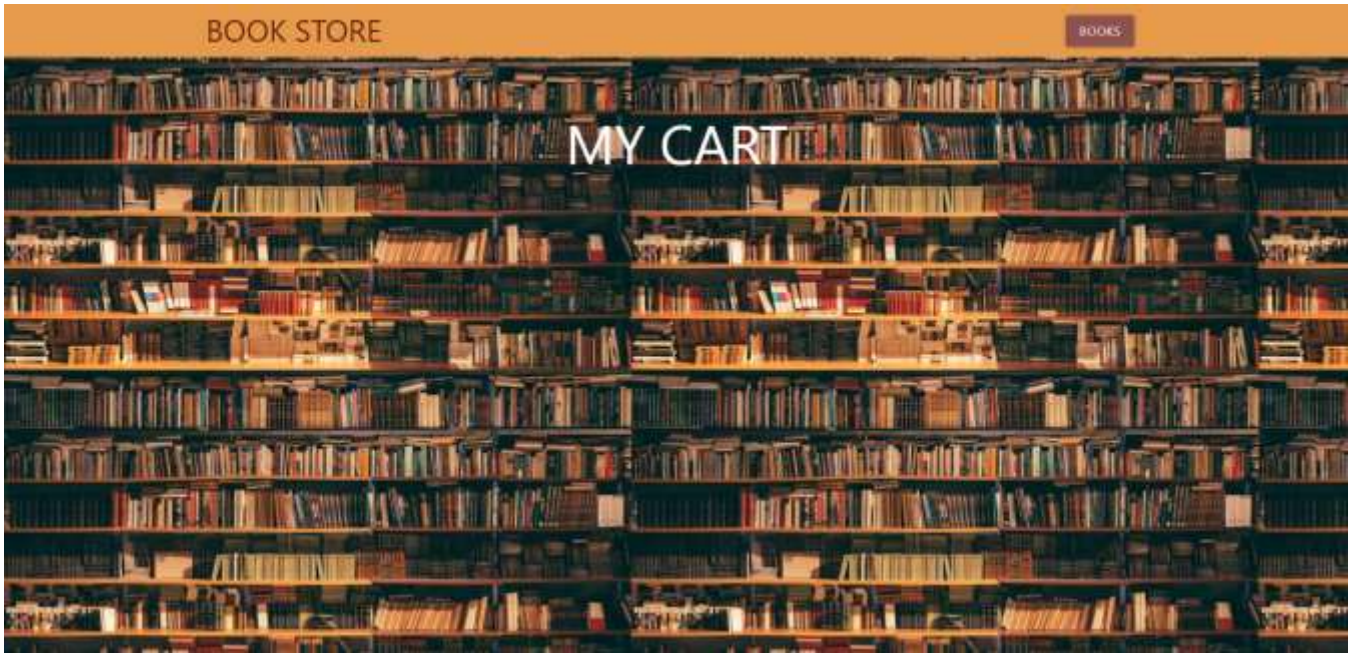
```
    </div>
</body>

</html>
```


**4.4.4 carttry.php**

```
<!-- header -->
<html>
<head>
        <title>LIBRUARY</title>
         <style type= "text/css">
                .brand{
                        background-color: #8E524F;
                }
                form{

                        align :center;
                        max-width: 460px;
                        margin: 30px;
                        padding: 40px;
```

```
        }
        #we{
            background-color:      #E69A4C;
        }
        #hello{
            color: #67210C;
            font-size: 35px;


        }
        #search{
            background-color: #FFE4E1;
            margin-right: 156px;
            border-spacing: 20px;
        }
        .book{
            width: 100px;
            margin: 20px auto;
            display: block;
            position :relative;

        }


    </style>
</head>
<body background="1.jpeg">
<nav class=" z-depth-0" id="we" >
<div class="container" align="center">
<a id="hello" href="index.php" class="left" >BOOK STORE</a>
<ul id="nav-mobile" class="right  hide-on-small-and-down">
```

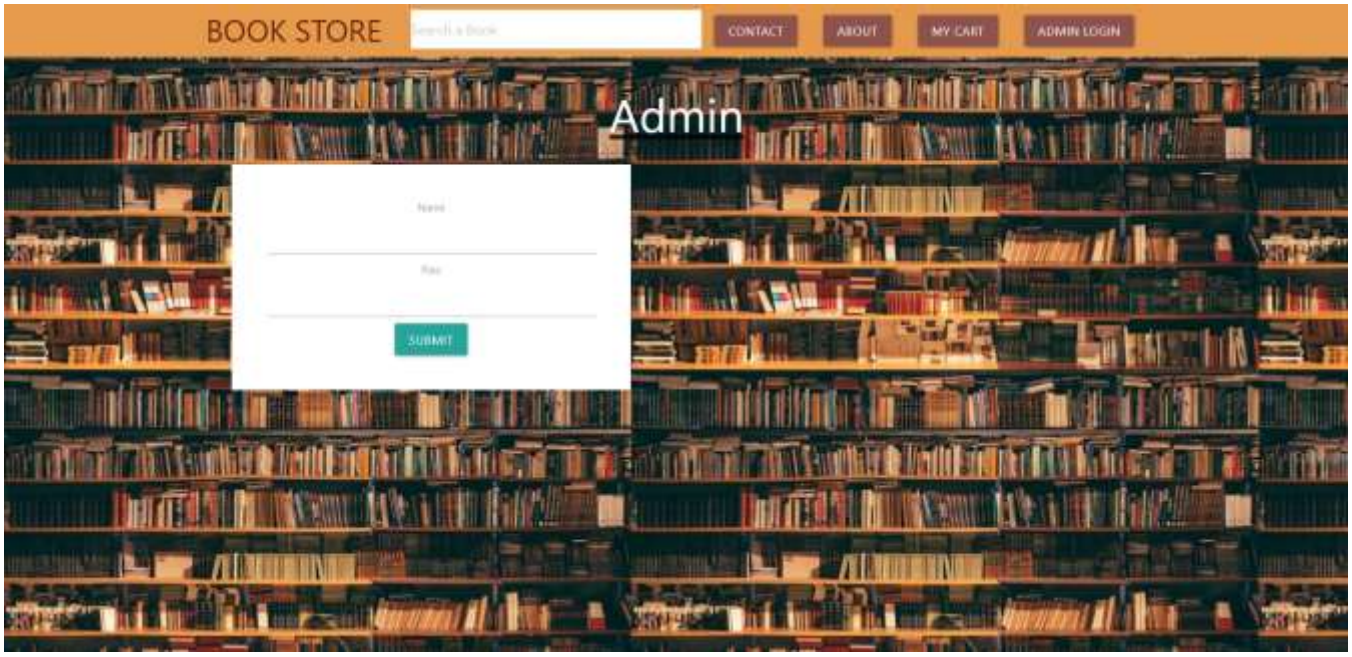
```
        <li><a href="show.php " class="btn brand z-depth-50">Books</a></li>
</ul>

</div>
</nav>
<br>
<h1 class="center" style="color: white">MY CART  </h1>
```




### 4.4.5 admin.php

```
<?php
        $title = "Administration section";
        require_once "./hdrnftr/interface.php";
?>
<div class="row">
        <div class="box">
           <div class="col-lg-12">
                <u><h2 class="intro-text text-center "  style="color: white" align="center">Admin
              </h2></u>
```

```
            <div class="center" >
                <section class="container grey-text ">

                                <form class="white" method="post" action="admin_book.php"
                                <div class="form-group">
                                <label for="name" class="control-label col-md-4">Name</label>
                                    <div class="col-md-4">
                                    <input type="text" name="name" class="form-control">
                </div>
            </div>
            <div class="form-group" align="center">
                <label for="pass" class="control-label col-md-4">Pass</label>
                <div class="col-md-4">
                    <input type="password" name="pass" class="form-control">
                </div>
            </div>
            <input type="submit" name="submit" class="btn btn-primary">
        </form>
</section>
</div>
        </div>
</div>
</div>
<?php
        require_once "./hdrnftr/footer.php";
?>
```




### 4.4.6 Admin_book.php

```
<?php
        session_start();
        require_once "config/connect.php";
        $title = "List book";
        //require_once "hdrnftr/interface.php";
        $sql ="SELECT book_isbn, book_title, book_author, book_image ,book_descr, book_price, publisherid FROM books ORDER BY book_isbn ASC";

$result = mysqli_query($conn , $sql);
        //$result = getAll($conn);
?>
        <p class="lead"><a href="admin_add.php">Add new book</a></p>
        <a href="admin_signout.php" class="btn btn-primary">Sign out!</a>
<table class="table" style="margin-top: 20px">
                <tr>
                        <th>ISBN</th>
                        <th>Title</th>
                        <th>Author</th>
                        <th>Image</th>
```

```
                <th>Description</th>
                <th>Price</th>
                <th>Publisher</th>
                <th> </th>
                <th> </th>
            </tr>
            <?php while($row = mysqli_fetch_assoc($result)){ ?>
            <tr>
                <td><?php echo $row['book_isbn']; ?></td>
                <td><?php echo $row['book_title']; ?></td>
                <td><?php echo $row['book_author']; ?></td>
                <td><?php echo $row['book_image']; ?></td>
                <td><?php echo $row['book_descr']; ?></td>
                <td><?php echo $row['book_price']; ?></td>
                <td><?php echo getPubName($conn, $row['publisherid']); ?></td>
            <td><a href="admin_edit.php?bookisbn=<?php echo $row['book_isbn']; ?>">Edit</a></td>
        <td><a href="admin_delete.php?bookisbn=<?php echo $row['book_isbn']; ?>">Delete</a></td>
                </tr>
                <?php } ?>
        </table>
```

Add new book

Sign out!

| ISBN | Title | Author | Image | Description | Price | Publisher | |
|---|---|---|---|---|---|---|---|
| 978-0-321-94786-4 | Learning Mobile App Development | Jakob Iversen, Michael Eierman | mobile_app.jpg | Now, one book can help you master mobile app development with both market-leading platforms: Apple's iOS and Google's Android. Perfect for both students and professionals, Learning Mobile App Development is the only tutorial with complete parallel coverage of both iOS and Android. With this guide, you can master either platform, or both - and gain a deeper understanding of the issues associated with developing mobile apps. You'll develop an actual working app on both iOS and Android, mastering the entire mobile app development lifecycle, from planning through licensing and distribution. Each tutorial in this book has been carefully designed to support readers with widely varying backgrounds and has been extensively tested in live developer training courses. If you're new to iOS, you'll also find an easy, practical introduction to Objective-C, Apple's native language. | 20.00 | Addison-Wesley | Edit Delete |
| 978-0-7303-1484-4 | Doing Good By Doing Good | Peter Baines | doing_good.jpg | Doing Good by Doing Good shows companies how to improve the bottom line by implementing an engaging, authentic, and business-enhancing program that helps staff and business thrive. International CSR consultant Peter Baines draws upon lessons learnt from the challenges faced in his career as a police officer, forensic investigator, and founder of Hands Across the Water to describe the Australian CSR landscape, and the factors that make up a program that benefits everyone involved. Case studies illustrate the real effect of CSR on both business and society, with clear guidance toward maximizing involvement, engaging all employees, and improving the bottom line. The case studies draw out the companies that are focusing on creating shared value in meeting the challenges of society whilst at the same time bringing strong economic returns. Consumers are now expecting that big businesses with ever-increasing profits give back to the community from which those profits arise. At the same time, shareholders are demanding their share and are happy to see dividends soar. Getting this right is a balancing act, and Doing Good by Doing Good helps companies delineate a plan of action for getting it done. | 20.00 | Wiley | Edit Delete |
| 978-1-118-94924-5 | Programmable Logic Controllers | Dag H Hansen | logic_program.jpg | Widely used across industrial and manufacturing automation, Programmable Logic Controllers (PLCs) perform a broad range of electromechanical tasks with multiple input and output arrangements, designed specifically to cope in severe environmental conditions such as automotive and chemical plants.Programmable Logic Controllers: A Practical Approach using CoDeSys is a hands-on guide to rapidly gain proficiency in the development and operation of PLCs based on the IEC 61131-3 standard. Using the freely-available* software tool CoDeSys, which is widely used in industrial design automation projects, the author takes a highly practical approach to PLC design using real-world examples. The design tool, CoDeSys, also features a built in simulator / soft PLC enabling the reader to undertake exercises and test the examples. | 20.00 | Wiley | Edit Delete |
| 978-1-1180-2669-4 | Professional JavaScript for Web Developers, 3rd Edition | Nicholas C. Zakas | pro_js.jpg | If you want to achieve JavaScript's full potential, it is critical to understand its nature, history, and limitations. To that end, this updated version of the bestseller by veteran author and JavaScript guru Nicholas C. Zakas covers JavaScript from its very beginning to the present-day incarnations including the DOM, Ajax, and HTML5. Zakas shows you how to extend this powerful language to meet specific needs and create dynamic user interfaces for the web that blur the line between desktop and internet. By the end of the book, you'll have a strong understanding of the significant advances in web development as they relate to JavaScript so that you can apply them to your next website. | 20.00 | Wrox | Edit Delete |
| 978-1-44937-0119-0 | Learning Web App Development | Semmy Purewal | web_app_dev.jpg | Grasp the fundamentals of web application development by building a simple database-backed app from scratch, using HTML, JavaScript, and other open source tools. Through hands-on tutorials, this practical guide shows inexperienced web app developers how to create a user interface, write a server, build client-server communication, and use a cloud-based service to deploy the application. Each chapter includes practice problems, full examples, and mental models of the development workflow. Ideal for a college-level course, this book helps you get started with web app development by providing you with a solid grounding in the process.<br>JavaScript is arguably the most polarizing and misunderstood programming language in the world. Many have attempted to replace it as the | 20.00 | O'Reilly Media | Edit Delete |

## 4.4.7 Admin_add.php

```
<?php
	require_once "config/connect.php";
	$title = "Add new book";

	if(isset($_POST['add'])){
		$isbn = trim($_POST['isbn']);
		$isbn = mysqli_real_escape_string($conn, $isbn);

		$title = trim($_POST['title']);
		$title = mysqli_real_escape_string($conn, $title);

		$author = trim($_POST['author']);
		$author = mysqli_real_escape_string($conn, $author);

		$descr = trim($_POST['descr']);
		$descr = mysqli_real_escape_string($conn, $descr);

		$price = floatval(trim($_POST['price']));
		$price = mysqli_real_escape_string($conn, $price);

		$publisher = trim($_POST['publisher']);
		$publisher = mysqli_real_escape_string($conn, $publisher);

		// add image
		if(isset($_FILES['image']) && $_FILES['image']['name'] != ""){
			$image = $_FILES['image']['name'];
```

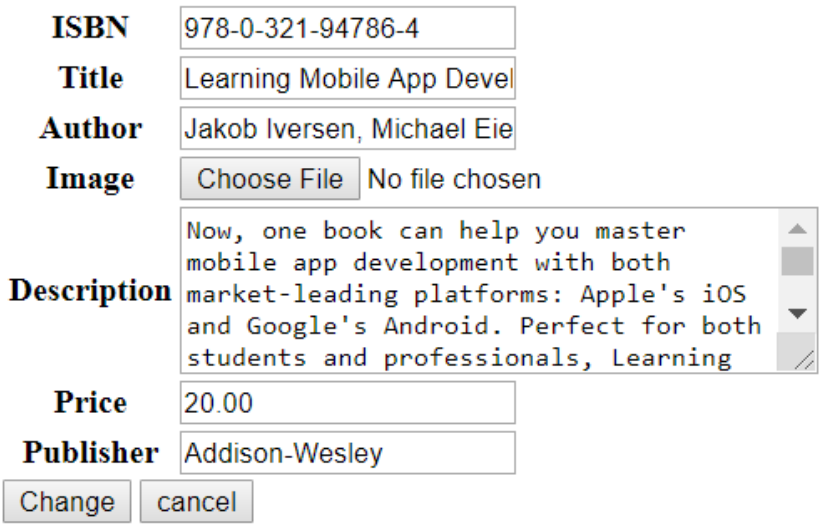
```
                $directory_self = str_replace(basename($_SERVER['PHP_SELF']), '',
$_SERVER['PHP_SELF']);
                $uploadDirectory = $_SERVER['DOCUMENT_ROOT'] . $directory_self .
"bootstrap/img/";
                $uploadDirectory .= $image;
                move_uploaded_file($_FILES['image']['tmp_name'], $uploadDirectory);
        }

        // find publisher and return pubid
        // if publisher is not in db, create new
        $findPub = "SELECT * FROM publisher WHERE publisher_name = '$publisher'";
        $findResult = mysqli_query($conn, $findPub);
        if(!$findResult){
                // insert into publisher table and return id
                $insertPub = "INSERT INTO publisher(publisher_name) VALUES
('$publisher')";
                $insertResult = mysqli_query($conn, $insertPub);
                if(!$insertResult){
                        echo "Can't add new publisher " . mysqli_error($conn);
                        exit;
                }
                $publisherid = mysql_insert_id($conn);
        } else {
                $row = mysqli_fetch_assoc($findResult);
                $publisherid = $row['publisherid'];
        }


        $query = "INSERT INTO books VALUES ('" . $isbn . "', '" . $title . "', '" . $author . "', '" .
$image . "', '" . $descr . "', '" . $price . "', '" . $publisherid . "')";
        $result = mysqli_query($conn, $query);
        if(!$result){
                echo "Can't add new data " . mysqli_error($conn);
                exit;
        } else {
                header("Location: admin_book.php");
        }
    }
?>
    <form method="post" action="admin_add.php" enctype="multipart/form-data">
        <table class="table">
            <tr>
                <th>ISBN</th>
                <td><input type="text" name="isbn"></td>
            </tr>
            <tr>
                <th>Title</th>
                <td><input type="text" name="title" required></td>
```

```
                </tr>
                <tr>
                        <th>Author</th>
                        <td><input type="text" name="author" required></td>
                </tr>
                <tr>
                        <th>Image</th>
                        <td><input type="file" name="image"></td>
                </tr>
                <tr>
                        <th>Description</th>
                        <td><textarea name="descr" cols="40" rows="5"></textarea></td>
                </tr>
                <tr>
                        <th>Price</th>
                        <td><input type="text" name="price" required></td>
                </tr>
                <tr>
                        <th>Publisher</th>
                        <td><input type="text" name="publisher" required></td>
                </tr>
        </table>
        <input type="submit" name="add" value="Add new book" class="btn btn-primary">
        <input type="reset" value="cancel" class="btn btn-default">
</form>
<br/>
```

### 4.4.8 admin_edit.php

```
<?php
	require_once "config/connect.php";
	$title = "Edit book";

	if(isset($_GET['bookisbn'])){
		$book_isbn = $_GET['bookisbn'];
	} else {
		echo "Empty query!";
		exit;
	}

	if(!isset($book_isbn)){
		echo "Empty isbn! check again!";
		exit;
	}

	// get book data
	$query = "SELECT * FROM books WHERE book_isbn = '$book_isbn'";
	$result = mysqli_query($conn, $query);
	if(!$result){
		echo "Can't retrieve data " . mysqli_error($conn);
		exit;
	}
	$row = mysqli_fetch_assoc($result);
?>
	<form method="post" action="edit_book.php" enctype="multipart/form-data">
		<table class="table">
			<tr>
				<th>ISBN</th>
				<td><input type="text" name="isbn" value="<?php echo
$row['book_isbn'];?>" readOnly="true"></td>
			</tr>
			<tr>
				<th>Title</th>
				<td><input type="text" name="title" value="<?php echo
$row['book_title'];?>" required></td>
			</tr>
			<tr>
				<th>Author</th>
				<td><input type="text" name="author" value="<?php echo
$row['book_author'];?>" required></td>
			</tr>
			<tr>
				<th>Image</th>
				<td><input type="file" name="image"></td>
```

```
                    </tr>
                    <tr>
                        <th>Description</th>
                        <td><textarea name="descr" cols="40" rows="5"><?php echo
$row['book_descr'];?></textarea>
                    </tr>
                    <tr>
                        <th>Price</th>
                        <td><input type="text" name="price" value="<?php echo
$row['book_price'];?>" required></td>
                    </tr>
                    <tr>
                        <th>Publisher</th>
                        <td><input type="text" name="publisher" value="<?php echo
getPubName($conn, $row['publisherid']); ?>" required></td>
                    </tr>
                </table>
                <input type="submit" name="save_change" value="Change" class="btn btn-primary">
                <input type="reset" value="cancel" class="btn btn-default">
            </form>
            <br/>
            <a href="admin_book.php" class="btn btn-success">Confirm</a>
```




Confirm

### 4.4.9 admin_delete.php

```
<?php
	$book_isbn = $_GET['bookisbn'];

	require_once "./functions/database_functions.php";
	$conn = db_connect();

	$query = "DELETE FROM books WHERE book_isbn = '$book_isbn'";
	$result = mysqli_query($conn, $query);
	if(!$result){
		echo "delete data unsuccessfully " . mysqli_error($conn);
		exit;
	}
	header("Location: admin_book.php");
?>
```

### 4.4.10 interface.php

```
<!-- header -->
<html>
<head>
	<title>LIBRUARY</title>
	 <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/materialize/1.0.0/css/materialize.min.css">
	 <style type= "text/css">
		.brand{
			background-color: #8E524F;
		}
		form{

			align :center;
			max-width: 460px;
```

```
            margin: 30px;
            padding: 40px;
        }
        #qw {
            box-shadow: 50px 100px ;
            background-color: #8E524F;
        }
        #we{
            background-color:      #E69A4C;
        }
        #hello{
            color: #67210C;
            font-size: 35px;



        }
        #search{
            background-color: white;
            margin-right: 156px;
            border-spacing: 20px;
        }
        .book{
            width: 100px;
            margin: 20px auto;
            display: block;
            position :relative;

        }


    </style>
</head>
```

```
<body background="1.jpeg" >
<nav class=" z-depth-0" id="we" >
<div class="container" align="center">
<a id="hello" href="index.php" class="left" >BOOK STORE</a>
<ul id="nav-mobile" class="right  hide-on-small-and-down">
        <li><input type="text" id="search" placeholder="Search a Book">
        <li><a href="Contact.php " class="btn brand z-depth-50">Contact</a></li>

        <li><a href="about.php " class="btn brand z-depth-50">About</a></li>
        <li><a href="Carttry.php " class="btn brand z-depth-50">My Cart</a></li>
        <li><a href="admin.php" class="btn brand z-depth-50">Admin Login</a></li>
</ul>
</div>
</nav>
```

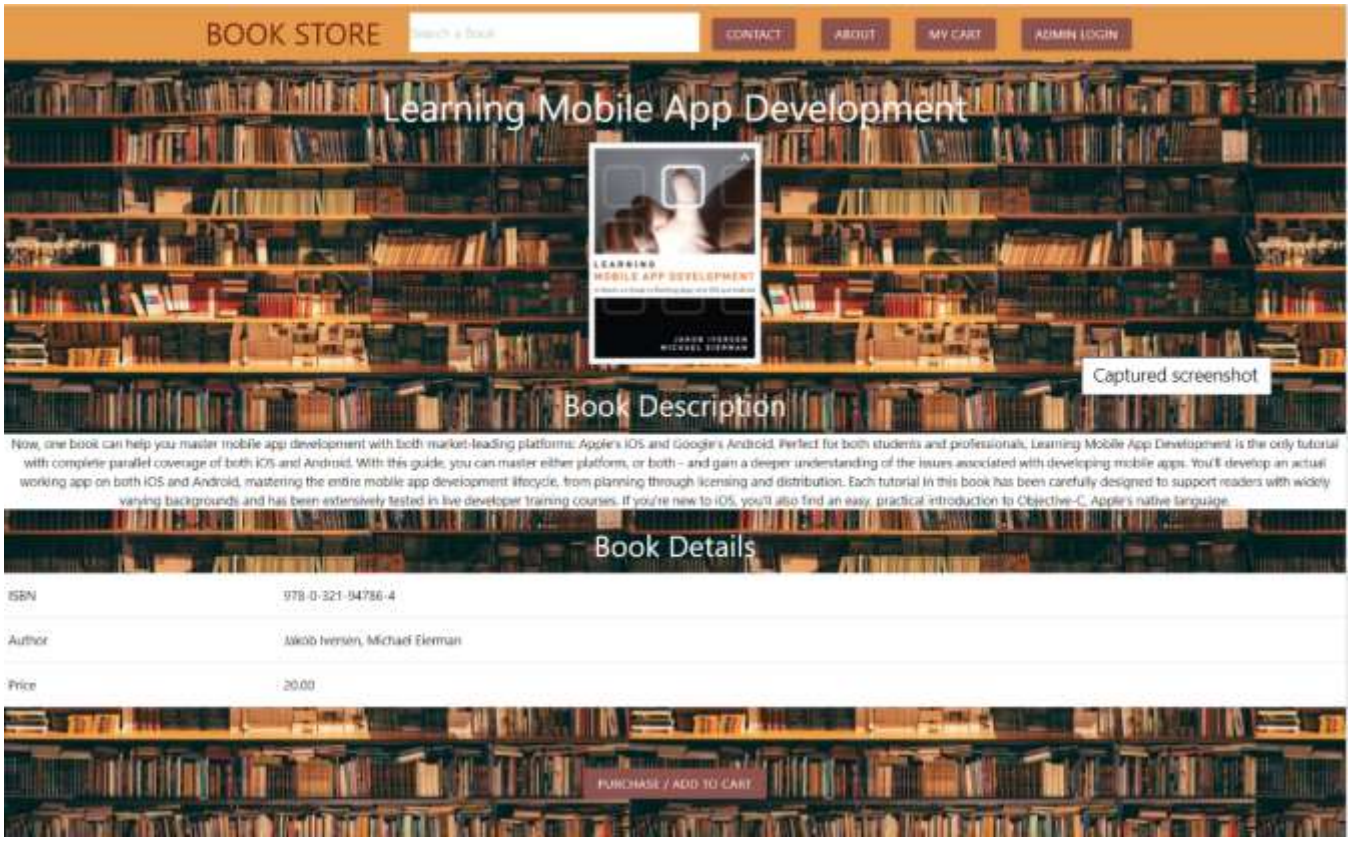
### 4.4.10 book.php

```
<!DOCTYPE html>
<html>
<head>
  <title></title>
  <style>
#white {
  border: 1px solid black;
  table-layout: auto;
}

</style>
</head>
<body>

<?php
```

```
require_once 'config/connect.php';
require 'hdrnftr/interface.php';
  $book_isbn = $_GET['bookisbn'];


  $query = "SELECT * FROM books WHERE book_isbn = '$book_isbn'";
  $result = mysqli_query($conn, $query);
  if(!$result){
    echo "Can't retrieve data " . mysqli_error($conn);
    exit;
  }

  $row = mysqli_fetch_assoc($result);
  if(!$row){
    echo "Empty book";
    exit;
  }

  $title = $row['book_title'];
?>


      <!-- Example row of columns -->
      <h3 class="intro-text text-center " style="color: white" style="margin: 25px 0" align="center"><?php
echo $row['book_title']; ?></h3>
      <div class="row" style="color: white" align="center">
        <div class="col-md-3 text-center">
          <img class="img-responsive img-thumbnail" src="./bootstrap/img/<?php echo
$row['book_image']; ?>">
        </div>
        <div class="col-md-6" style="color: white" align="center">
          <h4>Book Description</h4>
          <p class="white" style="color: black"><?php echo $row['book_descr']; ?></p>
```

```
<h4>Book Details</h4>
<table class="white" style="color: black">
  <?php foreach($row as $key => $value){
    if($key == "book_descr" || $key == "book_image" || $key == "publisherid" || $key == "book_title"){
      continue;
    }
    switch($key){
      case "book_isbn":
        $key = "ISBN";
        break;
      case "book_title":
        $key = "Title";
        break;
      case "book_author":
        $key = "Author";
        break;
      case "book_price":
        $key = "Price";
        break;
    }
  ?>
  <tr>
    <td ><?php echo $key; ?></td>
    <td><?php echo $value; ?></td>
  </tr>
  <?php
    }
    if(isset($conn)) {mysqli_close($conn); }
  ?>
</table>
<form method="post" action="carttry.php" >
```

```
        <input type="hidden" name="bookisbn" value="<?php echo $book_isbn;?>">
        <input type="submit" id="qw" value="Purchase / Add to cart" name="cart" class="btn btn-primary">
        </form>
      </div>
    </div>
</body>
</html>
```



# Chapter 5

# TESTING & TEST RESULTS

## 5.1 SOFTWARE TESTING

Software testing is a critical element of software quality assurance and represents the ultimate review of specification design and coding. Testing is an exposure of a system to trial input to see whether software meets correct output. Testing cannot be determined whether software meets user's needs, only whether it appears to confirm to requirements. Testing can show that a system is free of errors, only that it contains error. Testing finds errors, it does not correct errors. Software success is a quality product, on time and within cost. Through testing can reveal critical mistakes. Testing should therefore,

Validate Performance

Detects Errors

Identify Inconsistencies

## 5.2 Test Objective

- There is strong evidence that effective requirement management leads to overall project cost savings. The three primary reasons for this are,
- Requirement errors typically cost well over 10 times more to repair than other errors.
- Requirement errors typically comprise over 40% of all errors in a software project.
- Small reduction in the number of requirement errors pays big dividend in avoided rework costs and schedule delays.
- System are not designed as entire systems nor are they tested as single systems the analyst must perform both unit and system testing. For this different level testing are use:

### 5.2.1 Unit Testing

In unit testing Module is tested separately and the programmer simultaneously along with the coding of the module performs it.

In unit testing the analyst tests the programs making up a system. For this reason, unit testing is sometime called program testing. Unit testing gives stress on modules independently of one another, to find errors. This helps the tester in detecting errors in coding and logic that are contained within that module alone. The errors resulting from the interaction between modules are initially avoided.

## 5.2.2 System Testing

This is performed after the system is put together. The system is tested against the system requirement to check if all the requirements are met and if the system performs of specify by the requirements.

Testing is an important function to the success of the system. System testing makes a logical assumption that if all the parts of the system are correct, the goal will be successfully activated. Another reason for system testing is its utility as a user-oriented vehicle before implementation.

## 5.2.3 INTEGRATION TESTING

"If they all work individually, they should work when we put them together." The problem of course is "putting them together ". This can be done in two ways:

1. Top down integration: Modules are integrated by moving downwards through the control hierarchy, beginning with main control module are incorporated into the structure in either a depth first or breadth first manner.
2. Bottom up integration: It begins with construction and testing with atomic modules i.e. modules at the lowest level of the program structure. Because modules are integrated from the bottom up, processing required for the modules subordinate to a given level is always available and the need of stubs is eliminated.

## 5.2.4 BLACK-BOX TESTING

Black-box testing is a method of software testing that tests the functionality of an application as opposed to its internal structures or workings.

The system is tested just to assure whether it is meeting all the expectations or requirements from it, tester is not concerned with the internal logic of the module or system to be tested. Some inputs are given to system and it is observed whether the system is working as per the client's requirements or not or according to the requirements specified in SRS document. Specific knowledge of the application's code/internal structure and programming knowledge in general is not required.

## 5.2.5 WHITE-BOX TESTING

A software testing technique where by explicit knowledge of the internal workings of the item being tested are used to select the test data. Unlike black box testing, white box testing uses specific knowledge of programming code to examine outputs. The test is accurate only if the tester knows what the program is supposed to do. He or she can then see if the program diverges from its intended goal. White box testing does not account for errors caused by omission, and all visible code must also be readable.

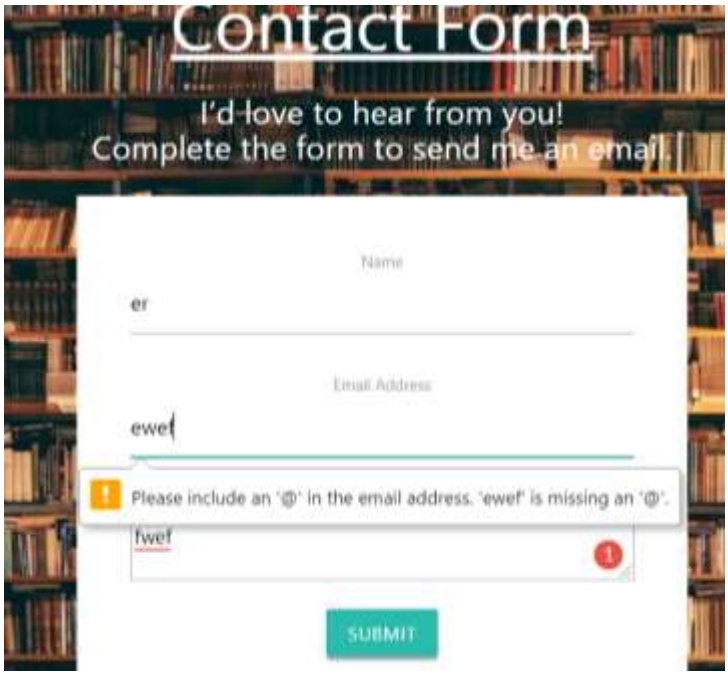
.

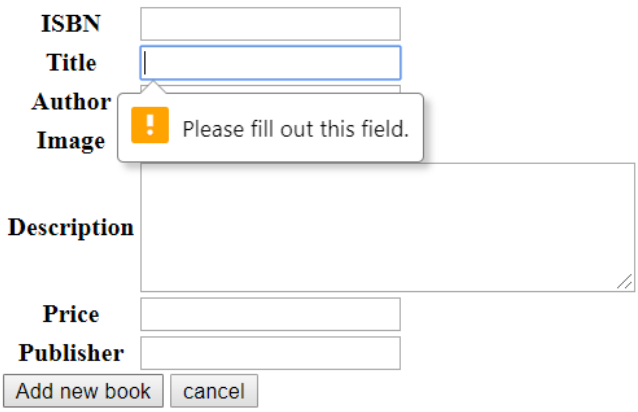
## 5.2.6 VALIDATION TESTING

### TEST CASES

| Field | Value | Valid/Invalid | Result |
|---|---|---|---|
| Contact | Null | Invalid | Fill all the fields |
| Confirm password | Wrong | Invalid | Passwords do not match |
| Password | Wrong | Invalid | Please enter a valid id and password |
| Name | Null | Invalid | Fill all the fields |

### OUTPUT



# Chapter 6

# CONCLUSION

## 6.1CONCLUSION

Now a day's there is a big demand of different types of applications, which is because IT has become the main part of our New World. There is a big need of different applications. People want website for every specific task from work to entertainment. We have developed the PHP website **"Online Bookstore "** which works easy on any given web browser.

## 6.2 FUTURE SCOPE

Every project whether large or small has some limitations no matter however diligently developed. In some cases limitations is small while in other cases they may be broad also. The new system has got some limitations. Major areas where modifications can be done are as follows:

- Our cart is not functional so further it can be improved.
- The security is limited so some additional arrangement could be made to provide more security to the system.

# BIBLOGRAPHY


- http://www.w3schools.com
- http:// www .stackoverflow.com
- http://wikipedia.com
- http://php.net