Experiment Number: 07

Design and develop a responsive website for an online book store using PHP and MySQL having 1) Home Page2) Login Page 3) Catalogue Page: 4) Registration Page: (database)

home.php

```
<!doctype html>
<html lang="en">
<head>
<!-- Required meta tags -->
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1, shrink-
to-fit=no">
<!-- Bootstrap CSS -->
<link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/css/bootstrap.min.css
" integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwi
GgFAW/dAiS6JXm" crossorigin="anonymous">
<title>Book Store</title>
<style>
#introcontainer{ text-align:center;
}
#login-box {
    background-color: #fff; border-radius: 10px; box-shadow: 0 0 10px rgba(0,
0, 0, 0.2); margin: auto; margin-top: 50px; max-width: 500px; padding: 20px;
}
h1 {
    color: #333; font-size: 28px; margin-bottom: 20px; text-align: center;
}
input[type=text], input[type=password] {
    border: none; border-radius: 3px; box-shadow: 0 0 5px rgba(0, 0, 0, 0.1);
font-size: 16px; margin-bottom: 20px; padding: 10px; width: 100%;
}
input[type=submit] { background-color: #4CAF50; border: none; border-radius:
3px; color: #fff; cursor: pointer;
    font-size: 16px; padding: 10px; width: 100%;
}
input[type=submit]:hover {
    background-color: #3e8e41;
}
</style>
</head>
<body>
```

```html
<nav class="navbar navbar-expand-lg navbar-light bg-light">
<a class="navbar-brand" href="#">Book Store</a>
<button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarNav" aria-controls="navbarNav" aria-expanded="false" aria-label="Toggle navigation">
<span class="navbar-toggler-icon"></span>
</button>
<div class="collapse navbar-collapse" id="navbarNav">
<ul class="navbar-nav mr-auto">
<li class="nav-item active">
<a class="nav-link" href="home.php">Home <span class="sr-only">(current)</span></a>
</li>
</ul>
</div>
</nav>
<div class="container" id = "introcontainer">
<div class="jumbotron">
<h1>Welcome to online CSE bookstore</h1>
<p class="lead">This site has been made using PHP with MYSQL</p> <p>The layout use Bootstrap to make it more responsive. It's just a simple web!</p>
</div>
</div>
<div class="container" id="main">
<!-- Example row of columns -->
<div id="login-box">
<h1>Login</h1>
<form action = "dashboard.php" method = "post">
<input type="text" placeholder="Username" name = "user_name" required>
<input type="password" placeholder="Password" name = "pass_word" required>
<p style="text-align:center;">Dont have an Account? <a style = "text-decoration:none;"href="signup.php">Sign UP</a></p>
<input type="submit" value="Login">
</form> </div>
<!-- Optional JavaScript -->
<!-- jQuery first, then Popper.js, then Bootstrap JS -->
<script src="https://code.jquery.com/jquery-3.2.1.slim.min.js" integrity="sha384-KJ3o2DKtIkvYIK3UENzmM7KCkRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN" crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.12.9/dist/umd/popper.min.js" integrity="sha384-ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q" crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/js/bootstrap.min.js" integrity="sha384-JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYl" crossorigin="anonymous"></script> </body> </html>
```

signup.php

```php
<!DOCTYPE html>
<html>
<head>
<title>Registration Page</title>
<link rel="stylesheet" type="text/css" href="style.css">
<style> body {
    font-family: Arial, sans-serif; background-color: #f2f2f2;
}
.container { background-color: #fff; padding: 20px; margin: auto; margin-top:
50px; width: 50%; box-shadow: 0 0 10px rgba(0, 0, 0, 0.3);
}
h1 {
    text-align: center; margin-bottom: 20px;
}
label { display: block; margin-bottom: 5px;
}
input[type="text"], input[type="email"], input[type="password"] { padding:
10px; border-radius: 5px; margin-bottom: 20px; width: 100%;
}
input[type="submit"] { background-color: #4CAF50;
    color: #fff;
    padding: 10px 20px; border: none; border-radius: 5px; cursor: pointer;
}
input[type="submit"]:hover { background-color: #3e8e41;
}
</style>
<link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/css/bootstrap.min.css
" integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwi
GgFAW/dAiS6JXm" crossorigin="anonymous">
</head> <body>
<div class="container">
<form action="signup_submission.php" method="post">
<h1 style = "text-align:center;">Register</h1>
<div class="form-group">
<label for="exampleInputEmail1">Username</label>
<input type="text" class="form-control" id="exampleInputEmail1" aria-
describedby="emailHelp" name = "user_name">
</div>
<div class="form-group">
<label for="exampleInputPassword1">Password</label>
<input type="password" class="form-control" id="exampleInputPassword1" name
= "pass_word">
</div>
<div class="form-group">
<label for="exampleConfirmInputPassword1">Confirm Password</label>
```

```html
<input type="password" class="form-control" id="exampleInputPassword2" name
= "confirm_password">
</div>
<button type="submit" class="btn btn-primary">Register</button> </form>
</div>
<script src="https://code.jquery.com/jquery-3.2.1.slim.min.js"
integrity="sha384-KJ3o2DKtIkvYIK3UENzmM7KCkRr/rE9/Qpg6aAZGJwFDMVNA/G
pGFF93hXpG5KkN" crossorigin="anonymous"></script>
<script
src="https://cdn.jsdelivr.net/npm/popper.js@1.12.9/dist/umd/popper.min.js"
integrity="sha384-ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakF
PskvXusvfa0b4Q" crossorigin="anonymous"></script>
<script
src="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/js/bootstrap.min.js"
integrity="sha384-JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjU
ar5+76PVCmYl" crossorigin="anonymous"></script>
<script> const form = document.querySelector('form'); const usernameField =
document.querySelector('#username'); const passwordField =
document.querySelector('#password'); const confirmPasswordField =
document.querySelector('#confirmPassword');
form.addEventListener('submit', function(event) { event.preventDefault();
    if (usernameField.value.length < 6) {
        alert('Username must be at least 6 characters long'); return;
    }
    if (passwordField.value.length < 8) {
        alert('Password must be at least 8 characters long'); return;
    }
    if (passwordField.value !== confirmPasswordField.value) {
        alert('Passwords do not match'); return;
    }
    form.submit();
});
</script>
</body> </html>
```

signup submission.php

```html
<!doctype html>
<html lang="en">
<head>
<!-- Required meta tags -->
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1, shrink-
to-fit=no">
<!-- Bootstrap CSS -->
<link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/css/bootstrap.min.css
" integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwi
```

```html
GgFAW/dAiS6JXm" crossorigin="anonymous">
<title>Hello, world!</title>
</head>
<body>
<!-- Optional JavaScript -->
<!-- jQuery first, then Popper.js, then Bootstrap JS -->
<script src="https://code.jquery.com/jquery-3.2.1.slim.min.js"
integrity="sha384-KJ3o2DKtIkvYIK3UENzmM7KCkRr/rE9/Qpg6aAZGJwFDMVNA/G
pGFF93hXpG5KkN" crossorigin="anonymous"></script>
<script
src="https://cdn.jsdelivr.net/npm/popper.js@1.12.9/dist/umd/popper.min.js"
integrity="sha384-ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakF
PskvXusvfa0b4Q" crossorigin="anonymous"></script>
<script
src="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/js/bootstrap.min.js"
integrity="sha384-JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjU
ar5+76PVCmYl" crossorigin="anonymous"></script> </body>
</html>
<?php
require "conn.php"; $conn = db_connect();
$username = $_REQUEST['user_name'];
$password = $_REQUEST['pass_word'];
$confirm = $_REQUEST['confirm_password'];
$sql = "INSERT INTO `signup` (`username`, `password`, `confirm`) VALUES
('$username', '$password', '$confirm');";
if(mysqli_query($conn, $sql)){ echo '<div class="alert alert-success alert-
dismissible fade show"
    role="alert">
    <strong>User Registered successfully</strong><a style =
    "text-decoration:none; color: darkgreen;"href="home.php"> Click here to
Login</a> </div>';
} else{ echo "ERROR: Hush! Sorry $sql. "
    . mysqli_error($conn);
}
// Close connection mysqli_close($conn); ?>
```

dashboard.php

```php
<?php
$login = false;
$showError = false; if($_SERVER["REQUEST_METHOD"] == "POST"){
    $conn = mysqli_connect("localhost", "root", "", "college"); if(!$conn){
echo "Can't connect database " . mysqli_connect_error($conn); exit;
    }
    $username = $_POST["user_name"];
    $password = $_POST["pass_word"];
    $sql = "Select * from signup where username='$username' AND
password='$password'";
```

```php
    $result = mysqli_query($conn, $sql); $num = mysqli_num_rows($result); if
($num == 1){ $login = true; session_start(); $_SESSION['loggedin'] = true;
        $_SESSION['username'] = $username;
        // header("location: dashboard.php");
    }
    else{
        $showError = "Invalid Credentials";
        // header("location: home.php");
    }
}
?>
<!doctype html>
<html lang="en">
<head>
<!-- Required meta tags -->
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1, shrink-
to-fit=no">
<!-- Bootstrap CSS -->
<link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.cs
s" integrity="sha384-Vkoo8x4CGsO3+Hhxv8T/Q5PaXtkKtu6ug5TOeNV6gBiFeWPGFN
9MuhOf23Q9Ifjh" crossorigin="anonymous">
<title>Login</title>
</head>
<body>
<?php
if($login){
    $uname = $_SESSION['username'];
    echo ' <div class="alert alert-success alert-dismissible fade show"
role="alert">
    <strong>Success!</strong> You are logged in
    <button type="button" class="close" data-dismiss="alert" aria-
label="Close">
    <span aria-hidden="true">&times;</span>
    </button>
    </div>
    <nav class="navbar navbar-expand-lg navbar-light bg-light">
    <a class="navbar-brand" href="#">Book Store</a>
    <button class="navbar-toggler" type="button" data-toggle="collapse" data-
target="#navbarNav" aria-controls="navbarNav" aria-expanded="false" aria-
label="Toggle navigation">
    <span class="navbar-toggler-icon"></span>
    </button>
    <div class="collapse navbar-collapse" id="navbarNav">
    <ul class="navbar-nav mr-auto">
    <li class="nav-item active">
```

```php
        <a class="nav-link" href="home.php">Home <span class="sr-
only">(current)</span></a>
        </li>
        <li class="nav-item">
        <a class="nav-link" href="catalogue.php">Books</a>
        </li>
        <li class="nav-item">
        <a class="nav-link" href="logout.php">Logout</a>
        </li>
        </ul>
        </div>
        </nav>
        <div class="container" id = "introcontainer">
        <div class="jumbotron">
        <h2>Welcome
        '.$uname.'</h2>
        <h1>Welcome to online CSE bookstore</h1>
        <p class="lead">This site has been made using PHP with MYSQL</p>
        <p>The layout use Bootstrap to make it more responsive. Its just a simple
web!</p>
        </div>
        </div>
        ';
}
if($showError){ echo ' <div class="alert alert-danger alert-dismissible fade
show" role="alert">
        <strong>Error!</strong> '. $showError.'
        <button type="button" class="close" data-dismiss="alert" aria-
label="Close">
        <span aria-hidden="true">×</span>
        </button>
        </div> ';
}
?>
<script src="https://code.jquery.com/jquery-3.4.1.slim.min.js"
integrity="sha384-J6qa4849blE2+poT4WnyKhv5vZF5SrPo0iEjwBvKU7imGFAV0wwj
1yYfoRSJoZ+n" crossorigin="anonymous"></script>
<script
src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"
integrity="sha384-Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQ
RVvoxMfooAo" crossorigin="anonymous"></script>
<script
src="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/js/bootstrap.min.js"
integrity="sha384-wfSDF2E50Y2D1uUdj0O3uMBJnjuUD4Ih7YwaYd1iqfktj0Uod8GC
Exl3Og8ifwB6" crossorigin="anonymous"></script>
</body>
</html>
```

logout.php

```php
<?php
session_start(); session_unset(); session_destroy();
header("Location: home.php"); ?>
```

conn.php
```php
<?php function db_connect(){
    $conn = mysqli_connect("localhost", "root", "", "college"); if(!$conn){
echo "Can't connect database " . mysqli_connect_error($conn); exit;
    }
    return $conn;
}
?>
```

dbmsfunctions.php

```php
<?php function select4LatestBook($conn){
    $row = array();
    $query = "SELECT book_isbn, book_image FROM books ORDER BY book_isbn
DESC";
    $result = mysqli_query($conn, $query);
    if(!$result){
        echo "Can't retrieve data " . mysqli_error($conn); exit;
    }
    for($i = 0; $i < 4; $i++){
        array_push($row, mysqli_fetch_assoc($result));
    }
    return $row;
}
function getBookByIsbn($conn, $isbn){
    $query = "SELECT book_title, book_author, book_price FROM books WHERE
book_isbn = '$isbn'";
    $result = mysqli_query($conn, $query);
    if(!$result){
        echo "Can't retrieve data " . mysqli_error($conn); exit;
    }
    return $result;
}
function getOrderId($conn, $customerid){
    $query = "SELECT orderid FROM orders WHERE customerid = '$customerid'";
    $result = mysqli_query($conn, $query);
    if(!$result){
        echo "retrieve data failed!" . mysqli_error($conn); exit;
    }
    $row = mysqli_fetch_assoc($result); return $row['orderid'];
}
```

```php
function insertIntoOrder($conn, $customerid, $total_price, $date, $ship_name,
$ship_address, $ship_city, $ship_zip_code, $ship_country){ $query = "INSERT
INTO orders VALUES
    ('', '" . $customerid . "', '" . $total_price . "', '" . $date . "', '" .
$ship_name . "', '" .
    $ship_address . "', '" . $ship_city . "', '" . $ship_zip_code . "', '" .
$ship_country . "')";
    $result = mysqli_query($conn, $query);
    if(!$result){
        echo "Insert orders failed " . mysqli_error($conn); exit;
    }
}
function getbookprice($isbn){
    $conn = db_connect();
    $query = "SELECT book_price FROM books WHERE book_isbn = '$isbn'";
    $result = mysqli_query($conn, $query);
    if(!$result){
        echo "get book price failed! " . mysqli_error($conn); exit;
    }
    $row = mysqli_fetch_assoc($result); return $row['book_price'];
}
function getCustomerId($name, $address, $city, $zip_code, $country){
    $conn = db_connect();
    $query = "SELECT customerid from customers WHERE name = '$name' AND
address= '$address' AND city = '$city' AND zip_code = '$zip_code' AND country
= '$country'";
    $result = mysqli_query($conn, $query);
    // if there is customer in db, take it out
    if($result){
        $row = mysqli_fetch_assoc($result); return $row['customerid'];
    } else { return null;
    }
}
function setCustomerId($name, $address, $city, $zip_code, $country){
    $conn = db_connect();
    $query = "INSERT INTO customers VALUES
    ('', '" . $name . "', '" . $address . "', '" . $city . "', '" . $zip_code
. "', '" . $country .
    "')";
    $result = mysqli_query($conn, $query);
    if(!$result){
        echo "insert false !" . mysqli_error($conn); exit;
    }
    $customerid = mysqli_insert_id($conn); return $customerid;
}
function getPubName($conn, $pubid){
    $query = "SELECT publisher_name FROM publisher WHERE publisherid =
    '$pubid'";
```
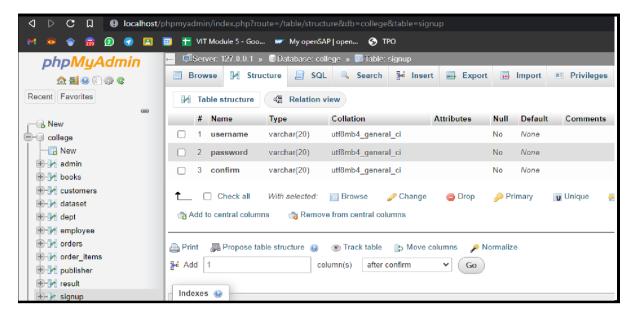
```php
        $result = mysqli_query($conn, $query);
        if(!$result){
            echo "Can't retrieve data " . mysqli_error($conn); exit;
        }
        if(mysqli_num_rows($result) == 0){
            echo "Empty books ! Something wrong! check again"; exit;
        }
        $row = mysqli_fetch_assoc($result); return $row['publisher_name'];
    }
    function getAll($conn){
        $query = "SELECT * from books ORDER BY book_isbn DESC";
        $result = mysqli_query($conn, $query);
        if(!$result){
            echo "Can't retrieve data " . mysqli_error($conn); exit;
        }
        return $result;
    }
?>
catalogue.php <?php
session_start();
$count = 0;
require_once "db_functions.php"; require_once "conn.php"; $conn =
db_connect();
$row = getAll($conn);
$query = "SELECT book_isbn, book_image FROM books";
$result = mysqli_query($conn, $query);
if(!$result){
    echo "Can't retrieve data " . mysqli_error($conn); exit;
}
$title = "Full Catalogs of Books";
?>
<!doctype html>
<html lang="en">
<head>
<!-- Required meta tags -->
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1, shrink-
to-fit=no">
<!-- Bootstrap CSS -->
<link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/css/bootstrap.min.css
" integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwi
GgFAW/dAiS6JXm" crossorigin="anonymous">
<title>Hello, world!</title>
</head>
<body>
<h2 style="text-align:center;">Latest books</h2> <br>
<div class="row">
```

```php
<?php foreach($row as $book) { ?> <div class="col-md-3">
    <a href="book.php?bookisbn=<?php echo $book['book_isbn']; ?>">
    <img class="img-responsive img-thumbnail" src="./images/<?php echo
$book['book_image']; ?>">
    </a>
    </div>
    <br>
    <?php } ?>
    </div>
    </body> </html>
```

book.php

```php
<?php
    session_start();
    $book_isbn = $_GET['bookisbn']; // connecto database require_once
"db_functions.php"; require_once "conn.php"; $conn = db_connect();
    $query = "SELECT * FROM books WHERE book_isbn = '$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'];
    // require "home.php";
    ?>
    <!DOCTYPE html>
    <html lang="en">
    <html>
    <title>Book description</title>
    <head>
    <style>
    /* CSS for book page */
    /* Page header */ header { background-color: #333; color: #fff;
        padding: 10px;
    }
    /* Book image */ .img-thumbnail { max-width: 100%; height: auto; margin-
bottom: 10px;
    }
    /* Book details table */ table {
        width: 100%; max-width: 600px; margin-bottom: 20px;
    }
    table td {
        padding: 5px;
    }
```

```css
/* Purchase button */ input[type="submit"] { background-color: #337ab7;
border-color: #2e6da4; color: #fff;
     padding: 5px 10px; font-size: 16px; border-radius: 3px; cursor:
pointer;
}
/* Hover effect on purchase button */ input[type="submit"]:hover {
background-color: #2e6da4; border-color: #23527c;
}
/* Breadcrumb trail */
.breadcrumb { background-color: #f5f5f5; padding: 8px 15px; margin-
bottom: 20px; list-style: none; border-radius: 4px;
}
.breadcrumb > li {
    display: inline-block;
}
.breadcrumb > li + li:before { content: ">"; padding: 0 5px; color: #ccc;
}
/* Book description */
.book-description { margin-bottom: 20px;
}
.book-description p { font-size: 16px; line-height: 1.5;
}
/* Book title */ h2.book-title {
    font-size: 24px; margin-bottom: 10px;
}
/* Book author */ h3.book-author { font-size: 18px; margin-top: 0;
}
/* Container for book image and details */
.book-details {
    display: flex; flex-wrap: wrap;
}
/* Column for book image */
.book-image { width: 30%; margin-right: 20px;
}
/* Column for book details */
.book-details-right { width: 70%;
}
/* Responsive design for small screens */
@media (max-width: 767px) {
    /* Columns for book image and details stack */
    .book-details { flex-direction: column;
    }
    .book-image { margin-right: 0; margin-bottom: 20px; width: 100%;
    }
    .book-details-right { width: 100%;
    }
    /* Center book image */
    .book-image img { display: block; margin: 0 auto;
```

```php
        }
    }
    </style> </head>
    <!-- Example row of columns -->
    <p class="lead" style="margin: 25px 0"><a href="books.php">Books</a> >
<?php echo $row['book_title']; ?></p>
    <div class="row">
    <div class="col-md-3 text-center">
    <img class="img-responsive img-thumbnail" src="./images/<?php echo
    $row['book_image']; ?>">
    </div>
    <div class="col-md-6">
    <h4>Book Description</h4>
    <p><?php echo $row['book_descr']; ?></p>
    <h4>Book Details</h4>
    <table class="table">
    <?php foreach($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="cart.php">
    <input type="hidden" name="bookisbn" value="<?php echo $book_isbn;?>">
    <input type="submit" value="Purchase / Add to cart" name="cart"
class="btn btn-primary">
    </form>
    </div>
    </div>
    </html>
```

Database

Output:

Register

Username

Shraddha100

Password

••••••••

Confirm Password

••••••••

Register

User Registered successfully Click here to Login

Book Store   Home

Welcome to online CSE bookstore

This site has been made using PHP with MYSQL

The layout use Bootstrap to make it more responsive. It's just a simple web!

Login

Shraddha100

••••••••

Dont have an Account? Sign UP

Login

Success! You are logged in   ✕

Book Store   Home   Books   Logout

Welcome   Shraddha100

Welcome to online CSE bookstore

This site has been made using PHP with MYSQL

The layout use Bootstrap to make it more responsive. Its just a simple web!

Latest books