



VIT

Vellore Institute of Technology

NAME: MOHAMMAD UMAIR KHAN
REG NO: 20BBS0211
SUBJECT: MODERN WEB APPLICATIONS
SLOT: L59+L60

LAB ASSESSMENT 3

LIBRARY MANAGEMENT SYSTEM

GITHUB LINK: <https://github.com/umairrkhann/librarymanagementsystem>

Index.php

```
<?php
// Initialize the session
session_start();

// Check if sessionData exists, else assign variables as null
if (isset($_SESSION['sessionData'])) {
    $sessionData = $_SESSION['sessionData'];
} else {
    $sessionData = null;
}

?>

<!DOCTYPE html>
<html lang="en">

<head>
    <link rel="stylesheet" href="style.css">
    <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">
</head>
<nav class="navbar navbar-expand-lg">
    <div class="nav-div">
        <a class="navbar-brand" href="#">CENTRAL LIBRARY</a>
        <br>Welcome to the collection of BOOKS
    </div>
    <div class="collapse navbar-collapse" id="navbarNav">
        <ul class="navbar-nav mr-auto"></ul>
        <ul class="navbar-nav">
            <?php
            if($sessionData) {
                echo '<li class="nav-item">
                <a class="nav-link" href="/logout.php">Logout</a>
                </li>';
            }else {
                echo '<li class="nav-item">
                <a class="nav-link" href="signup.php">Register</a>
                </li>
```

```

        ';
    }
    ?>
</ul>
</div>
<span class="navbar-text">
    <span id="usernameDisplay"></span>
</span>
</nav>
<body>
    <!-- Navbar -->

    <header>
        <div class="container">
            <h2 class="heading">BEST SELLERS</h2>

            <?php
            if($sessionData) {
                echo ' <table>
                <tr>Name: Umair Khan</tr>
                <tr><br>Register No: 20BBS0211</tr>
            </table>';
            }else {
                echo '<div>
                You are not logged in yet. Please Create your account from <a href =
"/signup.php">this link</a>
                </div>';
            }
            ?>
        </header>

        <?php
if($sessionData) {
    echo '<div class="container">

    <a href="book1.html">
        <div class="book">

```

```

        
        <h2>The Psychology of money</h2>
        <p>Author: Morgan Housel</p>
        <p>Genre: Finance</p>

        <button><a href="https://calvinrosser.com/notes/psychology-of-money-
morgan-housel/" target="_blank">Find More</a></button>
    </div>
</a>
<a href="book2.html">
    <div class="book">
        
        <h2>Lord of the Rings</h2>
        <p>Author: J. R. R Tolkien</p>
        <p>Genre: Fiction</p>
        <button><a href="https://en.wikipedia.org/wiki/The_Lord_of_the_Rings"
        target="_blank">Find More</a></button>
    </div>
</a>
<a href="book3.html">
    <div class="book">
        
        <h2>Gone Girl</h2>
        <p>Author: Gillian Flynn</p>
        <p>Genre: Mystery</p>
        <button><a
            href="https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&
cd=&cad=rja&uact=8&ved=2ahUKEwjovL2YxvSAAxVQ9zgGHbVDAWYQmhN6BQgAEPkF&url=https%3A%2F%
2Fen.wikipedia.org%2Fwiki%2FGone_Girl_(novel)&usg=A0vVaw3DY5RvIOFyKSjoxViC0wA_&opi=89
978449"

            target="_blank">Find More</a></button>
    </div>
</a>

```

</div>

<div class="container">

<h1 class="heading">Catalogue..</h1>

<h2 class="genre">Fiction</h2>

<div class="book-list">

<div class="book-sm">

<h3>The Alchemist</h3>

<p>Author: Paulo Coelho</p>

</div>

<div class="book-sm">

<h3>The Catcher in the Rye</h3>

<p>Author: J. D. Salinger</p>

</div>

<div class="book-sm">

<h3>Nineteen Eighty-Four</h3>

<p>Author: George Orwell</p>

</div>

<div class="book-sm">

<h3>The Kite Runner</h3>

<p>Author: Khaled Hosseini</p>

</div>

<div class="book-sm">

```

    <h3>One Hundred Years of Solitude</h3>
    <p>Author: Gabriel García Márquez</p>
</div>
<div class="book-sm">
    
        <h3>The Handmaid\'s Tale</h3>
        <p>Author: Margaret Atwood</p>
    </div>
    <!-- Add more fiction books -->
</div>

<h2 class="genre">Non-Fiction</h2>
<div class="book-list">
    <div class="book-sm">
        
            <h3>A Short History of Nearly Everything</h3>
            <p>Author: Bill Bryson</p>
        </div>
        <div class="book-sm">
            
                <h3>The Emperor of All Maladies</h3>
                <p>Author: Siddhartha Mukherjee</p>
            </div>
            <div class="book-sm">
                
        <h3>Into Thin Air</h3>
        <p>Author: Jon Krakauer</p>
    </div>
    <div class="book-sm">
        
        <h3>The New Jim Crow: Mass Incarceration in the Age of
Colorblindness</h3>
        <p>Author: Michelle Alexander</p>
    </div>
    <div class="book-sm">
        
        <h3>The Immortal Life of Henrietta Lacks</h3>
        <p>Author: Rebecca Skloot</p>
    </div>
    <div class="book-sm">
        
        <h3>The Right Stuff</h3>
        <p>Author: Tom Wolfe</p>
    </div>

</div>
</div>';
}else {
    echo 'you are not authorize to see books.';
}

?>
<footer>
    <p>&copy; 2023 Library System. All rights reserved.</p>
</footer>
</body>
<script src="script.js"></script>

```

</html>

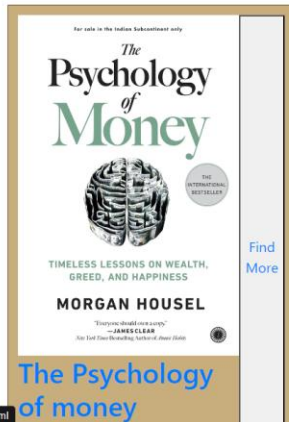
CENTRAL LIBRARY

Welcome to the collection of BOOKS

Logout

BEST SELLERS

Name: Umair Khan
Register No: 20BBS0211



[Find More](#)

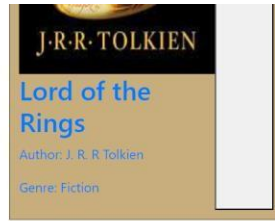


[Find More](#)



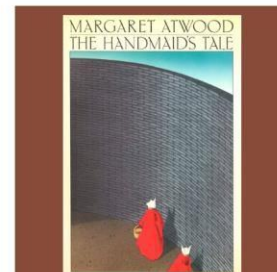
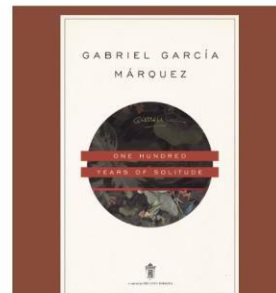
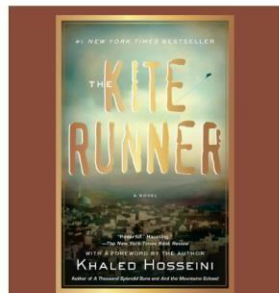
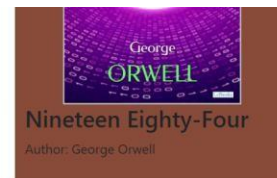
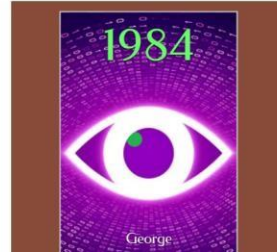
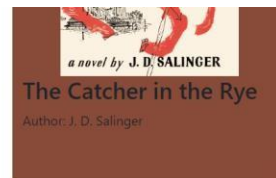
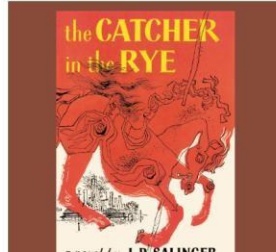
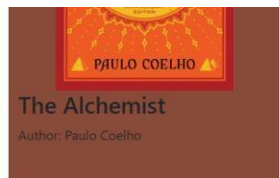
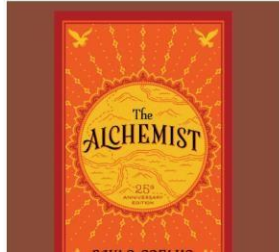
[Find More](#)

<https://c75mgt-8080.csb.app/book2.html>

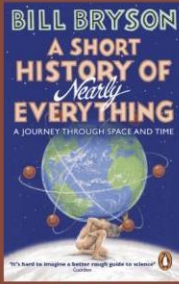


Catalogue..

Fiction

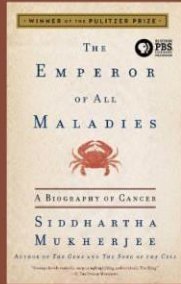


Non-Fiction



A Short History of Nearly Everything

Author: Bill Bryson



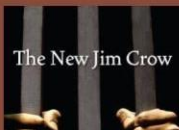
The Emperor of All Maladies

Author: Siddhartha Mukherjee



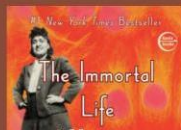
Into Thin Air

Author: Jon Krakauer



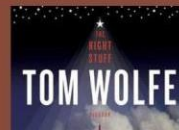
A Short History of Nearly Everything

Author: Bill Bryson



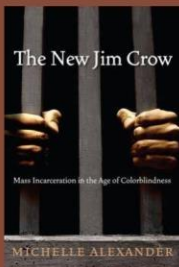
The Emperor of All Maladies

Author: Siddhartha Mukherjee



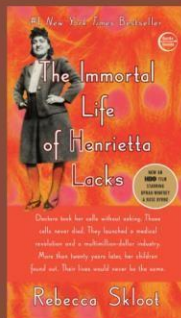
Into Thin Air

Author: Jon Krakauer



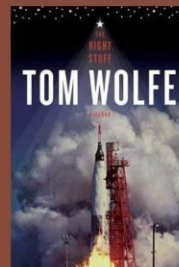
The New Jim Crow: Mass Incarceration in the Age of Colorblindness

Author: Michelle Alexander



The Immortal Life of Henrietta Lacks

Author: Rebecca Skloot



The Right Stuff

Author: Tom Wolfe

On clicking on any book, the details of the book are shown as follows:

Book1.html:

```
<!DOCTYPE html>
<html lang="en">

<head>
  <link rel="stylesheet" href="style.css">
</head>

<body>
  <div class="container">
    <div class="book-details">
      <h2 class="heading">" THE PSYCHOLOGY OF MONEY "</h2>
      

      <p><strong>Author:</strong> Morgan Housel</p>
      <p><strong>Genre</strong>: Finance</p>
      <p><strong>Description:</strong> The Psychology of Money is a
collection of short stories exploring the strange ways people think about money.
The author presents related biases, flaws, behaviors, and attitudes that affect
one's financial outcomes and shows how one's psychology can work for and against
them.</p>
    </div>
  </div>
  <footer>
    <p>&copy; 2023 Library System. All rights reserved.</p>
  </footer>
</body>

</html>
```

THE Psychology of Money



THE
INTERNATIONAL
BESTSELLER

TIMELESS LESSONS ON WEALTH,
GREED, AND HAPPINESS

MORGAN HOUSEL

"Everyone should own a copy."

— JAMES CLEAR

New York Times Bestselling Author of *Atomic Habits*



Author: Morgan Housel

Genre: Finance

Description: The Psychology of Money is a collection of short stories exploring the strange ways people think about money. The author presents related biases, flaws, behaviors, and attitudes that affect one's financial outcomes and shows how one's psychology can work for and against them.

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Book2.html:

```
<!DOCTYPE html>
<html lang="en">

<head>
  <link rel="stylesheet" href="style.css">
</head>

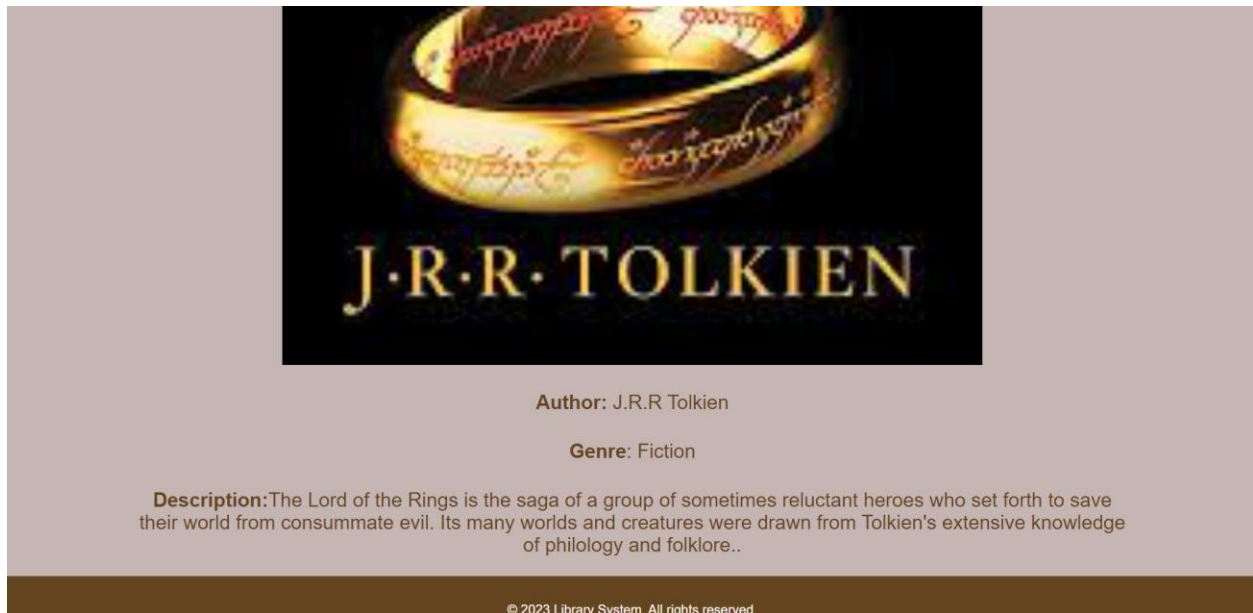
<body>
  <div class="container">
```

```
<div class="book-details">
  <h2 class="heading">" LORD OF THE RINGS "</h2>
  

  <p><strong>Author:</strong> J.R.R Tolkien</p>
  <p><strong>Genre</strong>: Fiction</p>
  <p><strong>Description:</strong>The Lord of the Rings is the saga of
a group of sometimes reluctant heroes who set forth to save their world from
consummate evil. Its many worlds and creatures were drawn from Tolkien's
extensive knowledge of philology and folklore..</p>
</div>
</div>
<footer>
  <p>&copy; 2023 Library System. All rights reserved.</p>
</footer>
</body>
</html>
```

" LORD OF THE RINGS "

The image shows the iconic title logo for "The Lord of the Rings". The words "THE LORD OF THE RINGS" are rendered in a stylized, golden, serif font. The letters are three-dimensional with a metallic texture and a slight glow. The logo is set against a dark, rectangular background, which is itself centered within a larger, light-colored rectangular frame.



Signup.php:

```
<?php
// Initialize the session
session_start();

// Define sessionData object
$_SESSION['sessionData'] = [];

// Define variables and initialize with empty values
$username = $password = $confirm_password = $email = "";
$username_err = $password_err = $confirm_password_err = $email_err = "";

// Function to validate email using regex
function isValidEmail($email)
{
    return filter_var($email, FILTER_VALIDATE_EMAIL);
}

// Processing form data when form is submitted
if ($_SERVER["REQUEST_METHOD"] == "POST") {

    // Validate username
    if (empty($_POST["username"])) {
        $username_err = "Please enter a username.";
    } else {
```

```

    $username = $_POST["username"];
}

// Validate email
if (empty($_POST["email"])) {
    $email_err = "Please enter your email.";
} else {
    $email = $_POST["email"];
    if (!isValidEmail($email)) {
        $email_err = "Invalid email format.";
    }
}

// Validate password
if (empty($_POST["password"])) {
    $password_err = "Please enter a password.";
} else {
    $password = $_POST["password"];
}

// Validate confirm password
if (empty($_POST["confirm_password"])) {
    $confirm_password_err = "Please confirm password.";
} else {
    $confirm_password = $_POST["confirm_password"];
    if ($password != $confirm_password) {
        $confirm_password_err = "Password did not match.";
    }
}

// Check if there are no validation errors
if (empty($username_err) && empty($email_err) && empty($password_err) &&
empty($confirm_password_err)) {

    // Save data in sessionData object
    $_SESSION['sessionData']['username'] = $username;
    $_SESSION['sessionData']['email'] = $email;

    // Redirect to index.php
    header("location: index.php");
}

```

```

    exit();
}
}
?>

<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Sign Up</title>
  <style>
    /* STYLE FOR FORM HTML */
    body {
      font-family: Arial, sans-serif;
      background-color: #94A684;
    }

    .container {
      max-width: 400px;
      margin: 0 auto;
      padding: 20px;
      background-color: #E4E4D0;
      border-radius: 5px;
      box-shadow: 0px 0px 5px rgba(0, 0, 0, 0.2);
      text-align: center;
    }

    h1 {
      margin-bottom: 20px;
      color: #333;
    }

    label {
      display: block;
      margin-bottom: 5px;
      text-align: left;
      color: #333;
    }
  </style>

```



```

    input[type="text"],
    input[type="email"],
    input[type="password"] {
        width: 100%;
        padding: 4px;
        margin-bottom: 15px;
        border: 1px solid #ccc;
        border-radius: 3px;
    }

    input[type="submit"] {
        background-color: #007BFF;
        color: #fff;
        border: none;
        padding: 10px 20px;
        border-radius: 3px;
        cursor: pointer;
    }

    #errorMessage {
        color: red;
        font-weight: bold;
    }
</style>
</head>

<body>
    <div class="container">
        <h1>Sign Up</h1>
        <form action="<?php echo htmlspecialchars($_SERVER["PHP_SELF"]); ?>"
method="post">
            <label for="username">Username:</label>
            <input type="text" name="username" value="<?php echo $username; ?>"
required>
            <span id="errorMessage"><?php echo $username_err; ?></span>

            <label for="email">Email:</label>
            <input type="text" name="email" value="<?php echo $email; ?>" required>
            <span id="errorMessage"><?php echo $email_err; ?></span>

```

```
<label for="password">Password:</label>
<input type="password" name="password" required>
<span id="errorMessage"><?php echo $password_err; ?></span>

<label for="confirm_password">Confirm Password:</label>
<input type="password" name="confirm_password" required>
<span id="errorMessage"><?php echo $confirm_password_err; ?></span>

<input type="submit" value="Sign Up">
</form>
</div>
</body>
</html>
```

Sign Up

Username:

Email:

Password:

Confirm Password:

Logout.php

```
<?php
// Initialize the session
session_start();

// Destroy the session
session_destroy();

// Redirect to the login page or another destination
header("location: index.php"); // Change 'login.php' to your desired destination
exit();
?>
```

CENTRAL LIBRARY
Welcome to the collection of BOOKS

[Register](#)

BEST SELLERS

You are not logged in yet. Please Create your account from [this link](#)

you are not authorize to see books.

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