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**R. V. R. & J. C. COLLEGE OF ENGINEERING**

**Department of Computer Science and Business Systems**

3rdYear 2ndSemester

**Modern Web Applications Lab (2022-23)**

**R20**

**Lab Manual**

**Web Technologies programming lab:**

|  |  |
| --- | --- |
| **Experiment No** | **TITILE** |
| 1. | Design the following static web pages required for an online book store web site.  1) **HOME PAGE**:  The static home page must contain three frames.  Top frame : Logo and the college name and links to Home page, Login page, Registration page, Catalogue page and Cart page (the description of these pages will be given below).  Left frame : At least four links for navigation, which will display the catalogue of respective links.  For e.g.: When you click the link “MCA” the catalogue for MCA Books should be displayed in the Rightframe.  Right frame: The pages to the links in the left frame must be loaded here. Initially this page contains description of the web site.    **LOGIN PAGE:** |
| 2. | **CATOLOGUE PAGE:**  The catalogue page should contain the details of all the books available in the web site in a table.  The details should contain the following:  1. Snap shot of Cover Page.  2. Author Name.  3. Publisher.  4. Price.  5. Add to cart button. |
| 3. | CART PAGE:  The cart page contains the details about the books which are added to the cart. The cart page  should look like this:  Screenshot (7).png |
| 4. | REGISTRATION PAGE:  Create a “registration form “with the following fields  1) Name (Text field)  2) Password (password field)  3) E-mail id (text field)  4) Phone number (text field)  5) Sex (radio button)  6) Date of birth  7) Languages known (check boxes – English, Telugu, Hindi, Tamil)  8) Address (text area)  VALIDATION:  1. Write Java Script to validate the following fields of the above registration page.  a. Name (Length should not be less than 6 characters).  b. Password (Password should not be less than 6 characters length).  c. E-mail id (should not contain any invalid and must follow the standard  patternname@domain.com)  d. Phone number(Phone number should contain 10 digits only).  2. Write Java Script to validate the above login page with the above parameters |
| 5. | Design a web page using CSS (Cascading Style Sheets) which includes the following:  Use different font ,styles:  In the style definition you define how each selector should work (font, color etc.).Then ,in the  body of your pages, you refer to these selectors to activate the styles. For example:  Screenshot (8).png  Screenshot (10).png |
| 6. | Write an XML file which will display the Book information which includes the following:  a. Title of the book  b. Author Name  c. ISBN number  d. Publisher name  e. Edition  f. Price  Write a Document Type Definition (DTD) to validate the above XML file. Display the XML  file as follows:  The contents should be displayed in a table. The header of the table should be in color GREY. And the Author names column should be displayed in one color and should be capitalized and in bold. Use your own colors for remaining columns.  Use XML schemas XSL and CSS for the above purpose .Note: Give atleastfor4 books. It should be valid syntactically.  Hint: You can use some xml editors like XML-spy |
| 7. | Write Program in PHP to demonstrate basics of PHP.  Convert all the previous forms to PHP forms.  Write a PHP Code to make database connection, Create Data Base In Mysql.  Write a program in PHP to perform CRUD(Create, InseRt, Update, Delete operations)  Study of Image Uploading in PHP and Design A form which upload And Display Image in PHP |
| 8. | Create a table which should contain at least the following fields: name, password, email-id, phone number (these should hold the data from the registration form).  Write a PHP code to connect to that database and extract data from the table and display them. Insert the details of the users who register with the web site, whenever a new user clicks the submit button in the registration page (week2). Update user data, delete specific users |

**Modern Web Applications Lab**

1. Design the following static web pages required for an online book store web site.

**HOME PAGE**:

The static home page must contain three frames.

Top frame : Logo and the college name and links to Home page, Login page, Registration page, Catalogue page and Cart page (the description of these pages will be given below).

Left frame : At least four links for navigation, which will display the catalogue of respective links.

For e.g.: When you click the link “MCA” the catalogue for MCA Books should be displayed in the Rightframe.

Right frame: The pages to the links in the left frame must be loaded here. Initially this page contains description of the web site.

****

**Main.html:**

<html>

<head>

<style>

h1{

color: #800080;

}

ul {

list-style-type: none;

margin: 0;

padding: 0;

overflow: hidden;

background-color: #333;

}

li {

float: left;

}

li a {

display: block;

color: white;

text-align: center;

padding: 15px 16px;

text-decoration: none;

font-size: 20;

}

li a:hover:not(.active) {

background-color:#ff8080 ;

}

.vertical-menu {

width: 200px;

}

.vertical-menu a {

background-color: #fff;

color: black;

display: block;

padding: 12px;

text-decoration: none;

}

.vertical-menu a:hover {

background-color: #ff8080;

}

.info{

text-align:justify;

}

</style>

</head>

<body>

<img src="https://rvrjcce.ac.in/examcell/results/batchpg20/images/RVRJC-Estd-2.jpg" alt="rvrlogo" width="100" height="100" align="left">

<br>

<h1 align="center">Book Store Website</h1><br>

<ul>

<li><a href="#">Home</a></li>

<li><a href="login.html">Login</a></li>

<li><a href="registration.html">Registration</a></li>

<li><a href="catalogue.html">Catalogue</a></li>

<li style="float:right"><a href="cart.html">Cart</a></li>

</ul>

<br>

<div style="width: 100%;">

<div class="vertical-menu"; style="width: 10%; height: 100px; float: left;">

<a href="csbs.html">CSBS</a>

<a href="cse.html">CSE</a>

<a href="ece.html">ECE</a>

<a href="eee.html">EEE</a>

<a href="civil.html">CIVIL</a>

</div>

<div class="info"; style="margin-left: 15%; margin-right:5%; height: 200px;font-family:Georgia; font-style:italic;">

Welcome to our enchanting haven for book lovers – a charming sanctuary where stories come to life and imagination knows no bounds. Step into our delightful bookstore, a treasure trove nestled in the heart of the city, where the scent of aged pages and the soft rustling of books beckon you to embark on a literary adventure.

As you enter, you'll be captivated by the cozy ambiance, adorned with rustic wooden shelves that stretch from floor to ceiling, laden with an impressive collection of books spanning various genres and eras. Lose yourself in the maze of captivating tales, from classic literary masterpieces to contemporary bestsellers, where each page holds the power to transport you to distant lands, unravel mysteries, and explore the depths of the human spirit.

Our passionate and knowledgeable staff are avid book enthusiasts who eagerly share their recommendations and insights, guiding you on a personalized journey through the vast realm of literature. Whether you seek a thrilling mystery, a thought-provoking philosophical discourse, or a heartwarming tale of love and friendship, our team is dedicated to helping you discover the perfect book that will touch your soul and ignite your imagination.

Bask in the quiet sanctuary of our reading nook, nestled in a cozy corner bathed in natural light, where you can curl up in a plush armchair and immerse yourself in the captivating narratives that unfold within the pages of your chosen book. Savour a cup of aromatic coffee or tea from our delightful café, as the aroma mingles harmoniously with the comforting presence of literature, creating an atmosphere that embraces both the mind and the senses.

Beyond our expansive collection of books, we also host an array of literary events, from author signings and book club discussions to storytelling sessions for children, fostering a vibrant community of book aficionados who share a deep appreciation for the written word. Join us on this exciting journey of literary exploration, where like-minded individuals gather to celebrate the beauty and power of storytelling.

Whether you're a seasoned bibliophile or a curious soul dipping your toes into the world of books, our bookstore welcomes you with open arms. Come and embark on an unforgettable voyage of discovery, where every visit promises to awaken your imagination, inspire your thoughts, and leave you yearning for the next chapter. Welcome to our haven of literary wonders – your next literary adventure awaits!

</div>

</div>

</body>

</html>

**Output:**

**LOGIN PAGE:**



**login.html:**

<html>

<head>

<style>

h1{

color: #800080;

}

ul {

list-style-type: none;

margin: 0;

padding: 0;

overflow: hidden;

background-color: #333;

}

li {

float: left;

}

li a {

display: block;

color: white;

text-align: center;

padding: 15px 16px;

text-decoration: none;

font-size: 20;

}

li a:hover:not(.active) {

background-color:#ff8080 ;

}

.vertical-menu {

width: 200px;

}

.vertical-menu a {

background-color: #fff;

color: black;

display: block;

padding: 12px;

text-decoration: none;

}

.vertical-menu a:hover {

background-color: #ff8080;

}

.label{

color: #000000;

font-size: 20px;

}

span{

color: white;

font-size: 17px;

}

input[type=submit] {

width: 30%;

background-color:#70db70;

color: white;

padding: 14px 10px;

margin: 5px 0;

border: none;

border-radius: 3px;

cursor: pointer;

font-size:15px;

}

input[type=submit]:hover {

background-color: #339900;

color: black;

}

input[type=reset] {

width: 30%;

background-color:#ff944d;

color: white;

padding: 14px 20px;

margin: 5px 0;

border: none;

border-radius: 3px;

cursor: pointer;

font-size:15px;

}

input[type=reset]:hover {

background-color: #ff6600;

color:black;

}

label {

color: black;

padding: 8px;

font-size:20px;

}

input[type=email]{

width: 75%;

padding: 12px 20px;

margin: 8px 0;

display: inline-block;

border: 1px solid #ccc;

border-radius: 3px;

box-sizing: border-box;

font-size:15px;

}

input[type=password]{

width: 75%;

padding: 12px 20px;

margin: 8px 0;

display: inline-block;

border: 1px solid #ccc;

border-radius: 3px;

box-sizing: border-box;

font-size:15px;

}

</style>

</head>

<body>

<img src="https://rvrjcce.ac.in/examcell/results/batchpg20/images/RVRJC-Estd-2.jpg" alt="rvrlogo" width="100" height="100" align="left">

<br>

<h1 align="center">Book Store Website</h1><br>

<ul>

<li><a href="main.html">Home</a></li>

<li><a href="#">Login</a></li>

<li><a href="registration.html">Registration</a></li>

<li><a href="catalogue.html">Catalogue</a></li>

<li style="float:right"><a href="cart.html">Cart</a></li>

</ul>

<br>

<div style="width: 100%;">

<div class="vertical-menu"; style="width: 10%; height: 100px; float: left;">

<a href="csbs.html">CSBS</a>

<a href="cse.html">CSE</a>

<a href="ece.html">ECE</a>

<a href="eee.html">EEE</a>

<a href="civil.html">CIVIL</a>

</div>

<div class="login">

<form id="login" name="myform" onsubmit="return validateform()">

<table frame="box" align="center">

<tr>

<td><label>Login ID:</label></td>

<td><input type="email" name="Uname" id="Uname" placeholder="Email" required></td>

</tr>

<tr>

<td><label>Password:</label></td>

<td><input type="Password" name="Pass" id="Pass" placeholder="Password" required></td>

</tr><br>

<tr>

<td colspan="2" align="center"><input type="submit" value="SUBMIT">&nbsp;&nbsp;

<input type="reset" value="RESET"></td>

</tr>

</table>

</form>

</div>

<script>

function validateform(){

var password=document.myform.Pass.value;

if(password.length<6){

alert("Password must be at least 6 characters long.");

return false;

}

}

</script>

</div>

</body>

</html>

**Output:**

2. **CATOLOGUE PAGE:**

The catalogue page should contain the details of all the books available in the web site in a table.

The details should contain the following:

1. Snap shot of Cover Page.

2. Author Name.

3. Publisher.

4. Price.

5. Add to cart button.



**catalogue.html:**

<html>

<head>

<style>

h1{

color: #800080;

}

ul {

list-style-type: none;

margin: 0;

padding: 0;

overflow: hidden;

background-color: #333;

}

li {

float: left;

}

li a {

display: block;

color: white;

text-align: center;

padding: 15px 16px;

text-decoration: none;

font-size: 20;

}

li a:hover:not(.active) {

background-color:#ff8080 ;

}

.vertical-menu {

width: 200px;

}

.vertical-menu a {

background-color: #fff;

color: black;

display: block;

padding: 12px;

text-decoration: none;

}

.vertical-menu a:hover {

background-color: #ff8080;

}

.button1 {

background-color: #4CAF50;

padding: 16px 32px;

text-align: center;

text-decoration: none;

display: inline-block;

font-size: 16px;

margin: 4px 2px;

transition-duration: 0.4s;

cursor: pointer;

color: white;

border: 2px solid;

}

.button1:hover {

background-color: white;

color: black;

}

</style>

</head>

<body>

<img src="https://rvrjcce.ac.in/examcell/results/batchpg20/images/RVRJC-Estd-2.jpg" alt="rvrlogo" width="100" height="100" align="left">

<br>

<h1 align="center">Book Store Website</h1><br>

<ul>

<li><a href="main.html">Home</a></li>

<li><a href="login.html">Login</a></li>

<li><a href="registration.html">Registration</a></li>

<li><a href="#">Catalogue</a></li>

<li style="float:right"><a href="cart.html">Cart</a></li>

</ul>

<br>

<div style="width: 100%;">

<div class="vertical-menu"; style="width: 10%; height: 100px; float: left;">

<a href="csbs.html">CSBS</a>

<a href="cse.html">CSE</a>

<a href="ece.html">ECE</a>

<a href="eee.html">EEE</a>

<a href="civil.html">CIVIL</a>

</div>

<div>

<table width="70%" height="100%" border="1" align="center">

<tr>

<td><img src="https://m.media-amazon.com/images/I/51CwNJR45bL.\_AC\_UF1000,1000\_QL80\_.jpg" height="100" width="100"/></td>

<td>Book: XML Bible

<br>Author: Winston

<br>Publication: Wiely</td>

<td>$40.5</td>

<td><button class="button1">Add to Cart</button></td>

</tr>

<tr>

<td><img src="https://m.media-amazon.com/images/I/61nHC3YWZlL.\_AC\_UF1000,1000\_QL80\_.jpg" height="100" width="100"/></td>

<td>Book: AI

<br>Author: S.Russel

<br>Publication: Princeton hall</td>

<td>$63</td>

<td><button class="button1">Add to Cart</button></td>

</tr>

<tr>

<td><img src="https://m.media-amazon.com/images/I/81IDPYbY4qL.\_AC\_UF1000,1000\_QL80\_.jpg" height="100" width="100"/></td>

<td>Book: Java 2

<br>Author: Watston

<br>Publication: BPB publications</td>

<td>$35.5</td>

<td><button class="button1">Add to Cart</button></td>

</tr>

<tr>

<td><img src="https://m.media-amazon.com/images/I/51hdK2vXTVL.jpg" height="100" width="100"/></td>

<td>Book: HTML in 24 hours

<br>Author: Sam Peter

<br>Publication: Sam publications</td>

<td>$100</td>

<td><button class="button1">Add to Cart</button></td>

</tr>

</table>

</div>

</div>

</body>

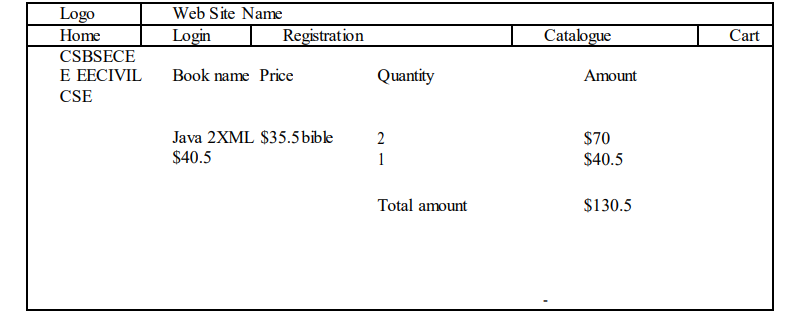
</html>

**Output:**

3. **CART PAGE:**

The cart page contains the details about the books which are added to the cart. The cart page

should look like this:



**cart.html:**

<html>

<head>

<style>

h1{

color: #800080;

}

ul {

list-style-type: none;

margin: 0;

padding: 0;

overflow: hidden;

background-color: #333;

}

li {

float: left;

}

li a {

display: block;

color: white;

text-align: center;

padding: 15px 16px;

text-decoration: none;

font-size: 20;

}

li a:hover:not(.active) {

background-color:#ff8080 ;

}

.vertical-menu {

width: 200px;

}

.vertical-menu a {

background-color: #fff;

color: black;

display: block;

padding: 12px;

text-decoration: none;

}

.vertical-menu a:hover {

background-color: #ff8080;

}

.info{

text-align:justify;

}

</style>

</head>

<body>

<img src="https://rvrjcce.ac.in/examcell/results/batchpg20/images/RVRJC-Estd-2.jpg" alt="rvrlogo" width="100" height="100" align="left">

<br>

<h1 align="center">Book Store Website</h1><br>

<ul>

<li><a href="main.html">Home</a></li>

<li><a href="login.html">Login</a></li>

<li><a href="registration.html">Registration</a></li>

<li><a href="catalogue.html">Catalogue</a></li>

<li style="float:right"><a href="#">Cart</a></li>

</ul>

<br>

<div style="width: 100%;">

<div class="vertical-menu"; style="width: 10%; height: 100px; float: left;">

<a href="csbs.html">CSBS</a>

<a href="cse.html">CSE</a>

<a href="ece.html">ECE</a>

<a href="eee.html">EEE</a>

<a href="civil.html">CIVIL</a>

</div>

<div>

<table align="center" cellpadding="10" cellspacing="10" font-size="20px">

<tr>

<td>Book Name</td>

<td>Price</td>

<td>Quantity</td>

<td>Amount</td>

</tr>

<tr>

<td>XML bible</td>

<td>$40.5</td>

<td>1</td>

<td>$40.5</td>

</tr>

<tr>

<td>HTML in 24hours</td>

<td>$50</td>

<td>2</td>

<td>$100</td>

</tr>

<tr>

<td><h2>Total Amount=$140.5</h2></td>

</tr>

</table>

</div>

</div>

</body>

</html>

**Output:**

4. **REGISTRATION PAGE:**

Create a “registration form “with the following fields

1) Name (Text field)

2) Password (password field)

3) E-mail id (text field)

4) Phone number (text field)

5) Sex (radio button)

6) Date of birth

7) Languages known (check boxes – English, Telugu, Hindi, Tamil)

8) Address (text area)

**VALIDATION:**

1. Write Java Script to validate the following fields of the above registration page.

a. Name (Length should not be less than 6 characters).

b. Password (Password should not be less than 6 characters length).

c. E-mail id (should not contain any invalid and must follow the standard

patternname@domain.com)

d. Phone number(Phone number should contain 10 digits only).

2. Write Java Script to validate the above login page with the above parameters

**registration.html:**

<html>

<head>

<style>

h1{

color: #800080;

}

ul {

list-style-type: none;

margin: 0;

padding: 0;

overflow: hidden;

background-color: #333;

}

li {

float: left;

}

li a {

display: block;

color: white;

text-align: center;

padding: 15px 16px;

text-decoration: none;

font-size: 20;

}

li a:hover:not(.active) {

background-color:#ff8080 ;

}

.vertical-menu {

width: 200px;

}

.vertical-menu a {

background-color: #fff;

color: black;

display: block;

padding: 12px;

text-decoration: none;

}

.vertical-menu a:hover {

background-color: #ff8080;

}

input[type=text]{

width: 75%;

padding: 12px 20px;

margin: 8px 0;

display: inline-block;

border: 1px solid #ccc;

border-radius: 4px;

box-sizing: border-box;

font-size:15px;

}

textarea{

width: 75%;

padding: 8px 10px;

margin: 8px 0;

display: inline-block;

border: 1px solid #ccc;

border-radius: 4px;

box-sizing: border-box;

font-size:15px;

}

select{

width: 50%;

padding: 12px;

margin: 8px 0;

display: inline-block;

border: 1px solid #ccc;

border-radius: 4px;

box-sizing: border-box;

}

input[type=email]{

width: 75%;

padding: 12px 20px;

margin: 8px 0;

display: inline-block;

border: 1px solid #ccc;

border-radius: 4px;

box-sizing: border-box;

font-size:15px;

}

input[type=tel]{

width: 75%;

padding: 12px 20px;

margin: 8px 0;

display: inline-block;

border: 1px solid #ccc;

border-radius: 4px;

box-sizing: border-box;

font-size:15px;

}

input[type=date]{

width: 75%;

padding: 12px 20px;

margin: 8px 0;

display: inline-block;

border: 1px solid #ccc;

border-radius: 4px;

box-sizing: border-box;

font-size:15px;

}

input[type=submit] {

width: 60%;

background-color: #4CAF50;

color: white;

padding: 14px 10px;

margin: 8px 0;

border: none;

border-radius: 4px;

cursor: pointer;

font-size:18px;

}

input[type=submit]:hover {

background-color: #339900;

color: black;

}

label {

color: black;

padding: 8px;

font-size:20px;

}

input[type=password]{

width: 75%;

padding: 12px 20px;

margin: 8px 0;

display: inline-block;

border: 1px solid #ccc;

border-radius: 3px;

box-sizing: border-box;

font-size:15px;

}

</style>

</head>

<body>

<img src="https://rvrjcce.ac.in/examcell/results/batchpg20/images/RVRJC-Estd-2.jpg" alt="rvrlogo" width="100" height="100" align="left">

<br>

<h1 align="center">Book Store Website</h1><br>

<ul>

<li><a href="main.html">Home</a></li>

<li><a href="login.html">Login</a></li>

<li><a href="#">Registration</a></li>

<li><a href="catalogue.html">Catalogue</a></li>

<li style="float:right"><a href="cart.html">Cart</a></li>

</ul>

<br>

<div style="width: 100%;">

<div class="vertical-menu"; style="width: 10%; height: 100px; float: left;">

<a href="csbs.html">CSBS</a>

<a href="cse.html">CSE</a>

<a href="ece.html">ECE</a>

<a href="eee.html">EEE</a>

<a href="civil.html">CIVIL</a>

</div>

<div>

<form name="myform" method="POST" action="register.php" onsubmit="return validateform()">

<table align="center">

<tr>

<td><label>Name:</label></td>

<td><input type="text" name="Name" placeholder="Enter only alphabets" required><br></td>

</tr>

<tr>

<td><label>Password:</label></td>

<td><input type="Password" name="Pass" required></td>

</tr>

<tr>

<td><label>Email ID:</label></td>

<td><input type="email" name="mail" required><br></td>

</tr>

<tr>

<td><label>Phone Number:</label></td>

<td><input type="tel" id="phone" name="phone" pattern="[6-9]{1}[0-9]{9}" required></td>

</tr>

<tr>

<td><label>Sex:</label></td>

<td><label><input type="radio" id="male" name="gender" value="male" required>Male</label>

<label><input type="radio" id="female" name="gender" value="female" required>Female</label><br></td>

</tr>

<tr>

<td><label>DOB:</label></td>

<td><input type="date" name="dob" required><br></td>

</tr>

<tr>

<td><label>Languages Known:</label></td>

<td> <input type="checkbox" id="eng" name="eng" value="English">

<label for="eng">English</label><br>

<input type="checkbox" id="tel" name="tel" value="Telugu">

<label for="tel">Telugu</label><br>

<input type="checkbox" id="hin" name="hin" value="Hindi">

<label for="hin">Hindi</label><br>

<input type="checkbox" id="tam" name="tam" value="Tamil">

<label for="tam">Tamil</label><br>

</td>

</tr>

<tr>

<td><label>Address</label></td>

<td><textarea rows="4" cols="40"></textarea></td>

</tr><br>

<tr>

<td><input type="submit" value="Register"></td>

</tr>

</table>

</div>

<script>

function validateform(){

var name=document.myform.Name.value;

if(name.length<6){

alert("Name must be at least 6 characters long.");

return false;

}

var password=document.myform.Pass.value;

if(password.length<6){

alert("Password must be at least 6 characters long.");

return false;

}

}

</script>

</div>

</body>

</html>

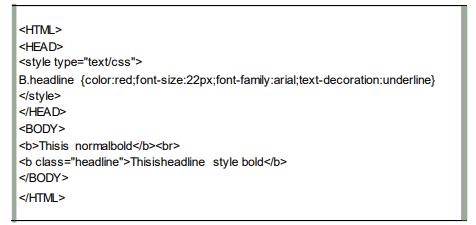
**Output:**

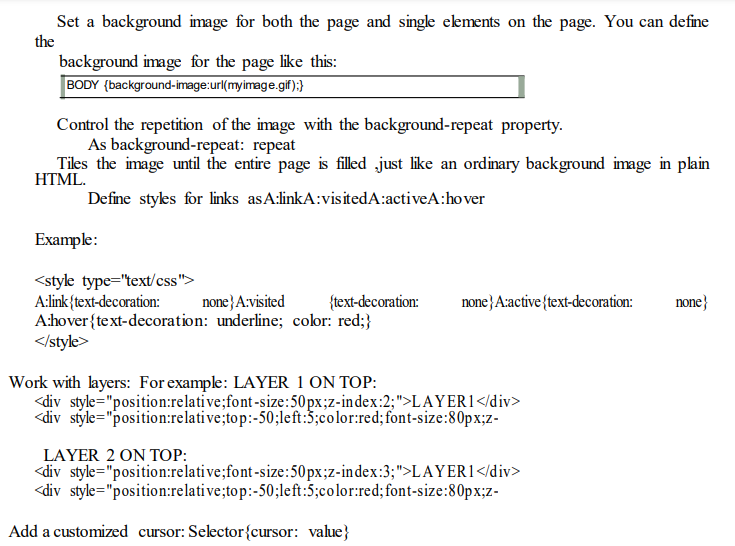
5. Design a web page using CSS (Cascading Style Sheets) which includes the following:

Use different font ,styles:

In the style definition you define how each selector should work (font, color etc.).Then ,in the

body of your pages, you refer to these selectors to activate the styles. For example:





<html>

<head>

<h1>This header is in red</h1>

<style>

body

{

background-image:url("image.jpg");

background-repeat:repeat

}

h1

{

color:red;

font-family:caStellar; font-size:22pt;

text-decoration:underline;

}

h2

{

color:green;

font-family:Chiller; font-size:18pt;

text-decoration:overline;

}

p

{

color:magenta;

font-family:Trebuchet MS; font-size:14pt;

font-style:italic;

}

button{

background-color: white;

color: black;

border: 2px solid #4CAF50;

}

button:hover {

background-color: #4CAF50;

color: white;

}

</style>

</head>

<body>

<h2>This header is in green</h2>

<p>This is normal text</p>

<button type="button">Click Me</button>

</body>

</html>

**Output:**

6. Write an XML file which will display the Book information which includes the following:

a. Title of the book

b. Author Name

c. ISBN number

d. Publisher name

e. Edition

f. Price

Write a Document Type Definition (DTD) to validate the above XML file. Display the XML file as follows:

The contents should be displayed in a table. The header of the table should be in color GREY. And the Author names column should be displayed in one color and should be capitalized and in bold. Use your own colors for remaining columns.

Use XML schemas XSL and CSS for the above purpose .Note: Give atleastfor4 books. It should be valid syntactically. Hint: You can use some xml editors like XML-spy

**catalogue.dtd:**

<!ELEMENT Catalogue (Book)\*>

<!ELEMENT Book (Title, Author, Publication ,Edition, ISBN, Price)>

<!ELEMENT Title (#PCDATA)>

<!ELEMENT Publication (#PCDATA)>

<!ELEMENT Edition (#PCDATA)>

<!ELEMENT ISBN (#PCDATA)>

<!ELEMENT Price (#PCDATA)>

**cata.css:**

Catalogue

{

font-family:arial;

color:blue;

font-size:16pt

}

Book

{

font-family:times new roman;

color:blue;

table-layout:auto;

font-size:14pt

}

Title

{

font-family:arial;

color:green;

margin-left:20pt;

font-size:12pt

}

Author

{

font-family:arial;

color:magenta

}

Publication,Edition,ISBN,Price

{

display:block;

font-family:arial;

color:black;

font-size:10pt;

margin-left:40pt

}

**cata.xml:**

<?xml version="1.0" encoding="UTF-8"?>

<?xml-stylesheet type="text/css" href="cata.css"?>

<!DOCTYPE Catalogue SYSTEM "catalogue.dtd">

<Catalogue>

<Book>

<Title>XML Bible</Title>

<Author>Winston</Author>

<Publication>Wiely</Publication>

<Edition>Fifth Edition</Edition>

<ISBN>0-7645-4760-7</ISBN>

<Price>$40.5</Price >

</Book>

<Book>

<Title>Artificial Intelligence</Title>

<Author>S. Russel</Author>

<Publication> Princeton Hall </Publication>

<Edition> Sixth Edition</Edition>

<ISBN> 0-13-1038-5-2 </ISBN>

<Price>$63</Price>

</Book>

<Book>

<Title>Java 2</Title>

<Author>Watson</Author>

<Publication>BPB Publications</Publication>

<Edition>Third Edition</Edition>

<ISBN>0-41-1058-7-2</ISBN>

<Price>$63</Price>

</Book>

<Book>

<Title>HTML in 24 hours </Title>

<Author> Sam Peter</Author>

<Publication> SAM Publications </Publication>

<Edition>Fifth Edition</Edition>

<ISBN> 0-672-32841-0 </ISBN>

<Price> $50 </Price >

</Book>

</Catalogue>

**Output:**

7. a) Write Program in PHP to demonstrate basics of PHP.

**basic.php:**

<?php

function reversDigits($num) {

$rev\_num = 0;

while($num > 1) {

$rev\_num = $rev\_num \* 10 + $num % 10;

$num = (int)$num / 10;

}

return $rev\_num;

}

$num = 2345;

echo "Original number is :".$num.'<br>';

echo "Reverse of no. is: ", reversDigits($num);

?>

**Output:**

b) Convert all the previous forms to PHP forms.

**form.html:**

<html>

<head>

<title>Student Registration</title>

</head>

<body>

<style>

body {background-color: #99ffff;}

input[type=text]{

width: 75%;

padding: 12px 20px;

margin: 8px 0;

display: inline-block;

border: 1px solid #ccc;

border-radius: 4px;

box-sizing: border-box;

font-size:25px;

}

select{

width: 50%;

padding: 12px;

margin: 8px 0;

display: inline-block;

border: 1px solid #ccc;

border-radius: 4px;

box-sizing: border-box;

}

input[type=email]{

width: 75%;

padding: 12px 20px;

margin: 8px 0;

display: inline-block;

border: 1px solid #ccc;

border-radius: 4px;

box-sizing: border-box;

font-size:25px;

}

input[type=tel]{

width: 75%;

padding: 12px 20px;

margin: 8px 0;

display: inline-block;

border: 1px solid #ccc;

border-radius: 4px;

box-sizing: border-box;

font-size:16px;

}

input[type=date]{

width: 75%;

padding: 12px 20px;

margin: 8px 0;

display: inline-block;

border: 1px solid #ccc;

border-radius: 4px;

box-sizing: border-box;

font-size:20px;

}

input[type=submit] {

width: 40%;

background-color: #4CAF50;

color: white;

padding: 14px 10px;

margin: 8px 0;

border: none;

border-radius: 4px;

cursor: pointer;

font-size:18px;

}

input[type=submit]:hover {

background-color: #339900;

}

input[type=reset] {

width: 100%;

background-color:#ffa64d;

color: black;

padding: 14px 20px;

margin: 8px 0;

border: none;

border-radius: 4px;

cursor: pointer;

font-size:18px;

}

input[type=reset]:hover {

background-color: #ff6600;

}

label {

color: black;

padding: 8px;

font-size:20px;

}

</style>

<h1 align="center" style="color:#000000;">Student Registration-2k23</h1>

<form action="form.php" method="POST">

<table align="center">

<tr>

<td><label>First name:</label></td>

<td><input type="text" name="fname" required><br></td>

</tr>

<tr>

<td><label>Last name:</label></td>

<td><input type="text" name="lname" required><br></td>

</tr>

<tr>

<td><label>ID Number:</label></td>

<td><input type="text" name="id" required><br></td>

</tr>

<tr>

<td><label>DOB:</label></td>

<td><input type="date" required><br></td>

</tr>

<tr>

<td><label>Email ID:</label></td>

<td><input type="email" required><br></td>

</tr>

<tr>

<td><label>Phone Number:</label></td>

<td><input type="tel" id="phone" name="phone" placeholder="[6-9]x[0-9]xxxxxxxxx" pattern="[6-9]{1}[0-9]{9}" required></td>

</tr>

<tr>

<td><label>Sex:</label></td>

<td><label><input type="radio" id="male" name="gender" value="male" required>Male</label>

<label><input type="radio" id="female" name="gender" value="female" required>Female</label><br></td>

</tr>

<tr>

<td><label>Department:</label>

<td><select required>

<option value="">--CHOOSE--</option>

<option value="123">CSE</option>

<option value="123">CSBS</option>

<option value="123">CSE(DS)</option>

<option value="123">CSE(IOT)</option>

<option value="123">CSE(AIML)</option>

<option value="123">IT</option>

<option value="123">ECE</option>

<option value="123">EEE</option>

<option value="123">MECH</option>

<option value="123">CIVIL</option>

<option value="123"+>CHE</option>

</select><br></td>

</tr>

<tr>

<td><label>Address</label></td>

<td><input type="text" required><br></td>

</tr>

<tr>

<td><label>Select Course:</label></td>

<td><label><input type="radio" id="mwa" name="subject" value="mwa" required>MWA</label>

<label><input type="radio" id="dm" name="subject" value="dm" required>Data Mining</label><br></td>

</tr><br>

<tr>

<td><input type="reset" value="Reset"></td>

<td><input type="submit" value="Submit"></td>

</tr>

</table>

</form>

</body>

</html>

**form.php:**

<?php

if ($\_SERVER['REQUEST\_METHOD'] == 'POST') {

$first = $\_POST['fname'];

$last = $\_POST['lname'];

$identity=$\_POST['id'];

echo '<h2><i>Welcome dear, '.$last.' . '.$first.'!!<br></i></h2>';

echo '<h3><b>Your Unique ID is: '.$identity.'</b></h3>'; } ?>

**Output:**

c) Write a PHP Code to make database connection, Create Data Base in Mysql.

**DATABASES1.php:**

<?php

$servername = "localhost";

$username = "root";

$password = '';

$conn = new mysqli($servername, $username, $password);

if ($conn->connect\_error) {

die("Connection failed: " . $conn->connect\_error);

}

$sql = "CREATE DATABASE MWA";

if ($conn->query($sql) === TRUE) {

echo "Database created successfully";

} else {

echo "Error creating database: " . $conn->error;

}

$conn->close();

?>

**Output:**

d) Write a program in PHP to perform CRUD(Create, InseRt, Update, Delete operations)

**CREATES1.php:**

<?php

$hostname='localhost';

$username='root';

$password='';

$database='MWA';

$conn=new mysqli($hostname,$username,$password,$database);

if($conn->connect\_error){

die('connection failed'.$conn->connect\_error);

}

$sql = "CREATE TABLE DETAILS(

Name VARCHAR(30),

Email VARCHAR(30),

Nptelcourse VARCHAR(50),

Marks VARCHAR(10))";

if ($conn->query($sql) === TRUE) {

echo "Table created successfully";

} else {

echo "Error creating table: " . $conn->error;

}

$conn->close();

?>

**Output:**

**INSERTS1.php:**

<?php

$hostname='localhost';

$username='root';

$password='';

$database='MWA';

$conn=new mysqli($hostname,$username,$password,$database);

if($conn->connect\_error){

die('connection failed'.$conn->connect\_error);

}

$sql = "insert into Details (Name,Email,Nptelcourse,Marks) values

('Surekha','aresurekha2003@gmail.com','IIOT','68'),

('Pujitha', 'PujithaBandla@gmail.com', 'IIOT','65'),

('Saranya','saranya12116@gmail.com','IIOT','75'),

('Mohana','chereddymohana@gmail.com','IIOT','73'),

('Akhila','Akhilachowdary2003@gmail.com','IIOT','77'),

('Mohana','chereddymohana@gmail.com','PDSA','69'),

('Surekha','aresurekha2003@gmail.com','PDSA','55')";

$query=mysqli\_query($conn,$sql);

if($query) {

echo 'Details are inserted successfully';

} else {

echo "Error creating table: " . $conn->error;

}

?>

**Output:**

**UPDATES1.php:**

<?php

$hostname = 'localhost';

$username = 'root';

$password = '';

$database = 'MWA';

$conn = new mysqli($hostname, $username, $password, $database);

if ($conn->connect\_error) {

die('Connection failed: ' . $conn->connect\_error);

}

$sql = "UPDATE Details SET marks = '72' WHERE Name = 'Pujitha'";

if ($conn->query($sql) === TRUE) {

echo "Table updated successfully<br>";

} else {

echo "Error updating table: " . $conn->error . "<br>";

}

?>

**Output:**

**DELETES2.php:**

<?php

$hostname='localhost';

$username='root';

$password='';

$database="MWA";

$conn=new mysqli($hostname,$username,$password,$database);

if($conn->connect\_error){

die('connection failed'.$conn->connect\_error);

}

$sql="DELETE FROM Details WHERE Name='Akhila'";

if ($conn->query($sql) === TRUE) {

echo "Deleted successfully<br>";

} else {

echo "Error creating table: " . $conn->error . "<br>";

}

?>

**Output:**

e) Study of Image Uploading in PHP and Design a form which uploads And Display Image in PHP

**image.html:**

<!DOCTYPE html>

<html>

<head>

<title>Image Upload Form</title>

</head>

<body>

<form action="upload.php" method="post" enctype="multipart/form-data">

<label for="fileToUpload">Select image to upload:</label>

<input type="file" name="fileToUpload" id="fileToUpload">

<input type="submit" value="Upload Image" name="submit">

</form>

</body>

</html>

**upload.php:**

<?php

if (isset($\_POST['submit'])) {

$fileName = $\_FILES['fileToUpload']['name'];

$fileType = pathinfo($fileName, PATHINFO\_EXTENSION);

if (!in\_array($fileType, ['jpg', 'jpeg', 'png', 'gif'])) {

echo "File type is not supported.";

return;

}

$targetDir = 'uploads/';

move\_uploaded\_file($\_FILES['fileToUpload']['tmp\_name'], $targetDir . $fileName);

echo '<img src="' . $targetDir . $fileName . '">';

}

?>

**Output:**

8. a) Create a table which should contain at least the following fields: name, password, email-id, phone number (these should hold the data from the registration form).

CREATE TABLE registration (

uname varchar(25) NOT NULL,

pass varchar(25) NOT NULL,

email varchar(25) NOT NULL,

phno bigint(10) NOT NULL,

UNIQUE KEY (uname)

);

**Output:**

b) Write a PHP code to connect to that database and extract data from the table and display them. Insert the details of the users who register with the web site, whenever a new user clicks the submit button in the registration page (week2). Update user data, delete specific users.

**regselect.html:**

<html>

<body>

<form method="POST" action="regselect.php">

<table align="center" cellspacing="5">

<tr>

<td>Enter condition column name:</td>

<td><input type="text" name="con"></td>

</tr>

<tr>

<td>Enter condition value:</td>

<td><input type="text" name="value"></td>

</tr>

<tr>

<td><input type="submit" value="Select"></td>

</tr>

</table>

</form>

</body>

</html>

**regselect.php:**

<?php

if ($\_SERVER['REQUEST\_METHOD'] == 'POST') {

$conditioncolumn = $\_POST['con'];

$conditionvalue = $\_POST['value'];

$hostname = 'localhost';

$username = 'root';

$password = '';

$database = 'mydb';

$conn = new mysqli($hostname, $username, $password, $database);

if ($conn->connect\_error) {

die('Connection failed: ' . $conn->connect\_error);

}

$sql = "SELECT \* FROM registration";

if (!empty($conditioncolumn) && !empty($conditionvalue)) {

$sql .= " WHERE `$conditioncolumn` = '$conditionvalue'";

}

$result = $conn->query($sql);

if ($result && $result->num\_rows > 0) {

echo "<table border='1'>";

echo "<tr><th>Name</th><th>Email ID</th><th>Phone Number</th></tr>";

while ($row = $result->fetch\_assoc()) {

echo "<tr>";

echo "<td>" . $row["uname"] . "</td>";

echo "<td>" . $row["email"] . "</td>";

echo "<td>" . $row["phno"] . "</td>";

echo "</tr>";

}

echo "</table>";

} else {

echo "No records found<br>";

}

$conn->close();

}

?>

**Output:**

*Click select without condition to view full table*

**register.php:**

<?php

if ($\_SERVER['REQUEST\_METHOD'] == 'POST') {

$uname = $\_POST['Name'];

$pass = $\_POST['Pass'];

$mail = $\_POST['mail'];

$phone = $\_POST['phone'];

$hostname = 'localhost';

$username = 'root';

$password = '';

$database = 'mydb';

$conn = new mysqli($hostname, $username, $password, $database);

if ($conn->connect\_error) {

die('Connection failed: ' . $conn->connect\_error);

}

$sql = "INSERT INTO registration VALUES ('$uname','$pass','$mail','$phone')";

if ($conn->query($sql) === TRUE) {

echo '<h2>Welcome dear '.$uname.'!!<br></h2>';

echo '<h3><b><i><a href="main.html">Go To Home Page</a></i></b></h3>';

} else {

echo "Error inserting data: " . $conn->error . "<br>";

}

$conn->close();

}

?>

**Output:**

**Update.html:**

<html>

<body>

<form method="POST" action="update.php">

<table align="center">

<tr>

<td><label>Enter column name:</label></td>

<td><input type="text" name="field" required><br></td>

</tr>

<tr>

<td><label>Enter new value:</label></td>

<td><input type="text" name="value" required><br></td>

</tr>

<tr>

<td><label>Enter condition column(LHS):</label></td>

<td><input type="text" name="lhs" required><br></td>

</tr>

<tr>

<td><label>Enter value(RHS):</label></td>

<td><input type="text" name="rhs" required><br></td>

</tr>

<tr>

<td><input type="submit" value="Update Table"></td>

</tr>

</table>

</form>

</body>

</html>

**update.php:**

<?php

if ($\_SERVER['REQUEST\_METHOD'] == 'POST') {

$columnname = $\_POST['field'];

$newvalue = $\_POST['value'];

$conditioncolumn = $\_POST['lhs'];

$conditionvalue = $\_POST['rhs'];

$hostname = 'localhost';

$username = 'root';

$password = '';

$database = 'mydb';

$conn = new mysqli($hostname, $username, $password, $database);

if ($conn->connect\_error) {

die('Connection failed: ' . $conn->connect\_error);

}

$sql = "UPDATE registration SET `$columnname` = '$newvalue' WHERE `$conditioncolumn` = '$conditionvalue'";

if ($conn->query($sql) === TRUE) {

echo "Table updated successfully<br>";

} else {

echo "Error updating table: " . $conn->error . "<br>";

}

$conn->close();

}

?>

**Output:**

**Delete.html:**

<html>

<body>

<form method="POST" action="coldel.php">

<table align="center">

<tr>

<td><label>Enter condition column(LHS):</label></td>

<td><input type="text" name="lhs" required><br></td>

</tr>

<tr>

<td><label>Enter condition value(RHS):</label></td>

<td><input type="text" name="rhs" required><br></td>

</tr>

<tr>

<td><input type="submit" value="Delete"></td>

</tr>

</table>

</form>

</body>

</html>

**coldel.php:**

<?php

if ($\_SERVER['REQUEST\_METHOD'] == 'POST') {

$conditioncolumn = $\_POST['lhs'];

$conditionvalue = $\_POST['rhs'];

$hostname = 'localhost';

$username = 'root';

$password = '';

$database = 'mydb';

$conn = new mysqli($hostname, $username, $password, $database);

if ($conn->connect\_error) {

die('Connection failed: ' . $conn->connect\_error);

}

$sql = "DELETE FROM registration WHERE `$conditioncolumn` = '$conditionvalue'";

if ($conn->query($sql) === TRUE) {

echo "Row Deleted successfully<br>";

} else {

echo "Error updating table: " . $conn->error . "<br>";

}

$conn->close();

}

?>

**Output:**