FSD Project Work

Week-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 **"CSE"** the catalogue for **CSE** Books should be displayed in the Right frame.

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

Logo	Web Site Name			
Home	Login	Registration	Catalogue	Cart
CSE ECE EEE CIVIL	Description of the Web Site			

Fig 1.1

2) LOGIN PAGE:

This page looks like below:

Logo	Web Site Name			
Home	Login	Registration	Catalogue	Cart
CSE ECE EEE CIVIL	Login : ☐ Password: ☐ Submit Reset			

3) 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.

Logo	Web Site Name			
Home	Login	Registration	Catalogue	Cart
CSE ECE EEE	Book : XML Bible Author : Winston Publication : Wiely Book : AI Author : S.Russel		$ 40.5 $ 63	Add to cart Add to cart

CIVIL		Publication : Princeton hall		Add to cart Add to cart
		Book : Java 2 Author : Watson Publication : BPB publications	$ 35.5	
		Book : HTML in 24 hours Author : Sam Peter Publication : Sam publication	$ 50	

Week-2

4) **CART PAGE:**

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

The cart page should look like this:

Logo	Web Site Name				
Home	Login	Registration		Catalogue	Cart
CSE ECE EEE CIVIL	Book name Java 2 XML bible Total amount - $130.5	Price $35.5 $40.5	Quantity 2 1	Amount $70 $40.5	

5)   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 (3 select boxes)

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

8) Address (text area)

VALIDATION:

6)   Write *JavaScript* to validate the following fields of the above registration page.

1. Name (Name should contains alphabets and the length should not be less than 6 characters).

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

3. E-mail id (should not contain any invalid and must follow the standard pattern (name@domain.com)

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

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

a. 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>
<style type="text/css">
B.headline {color:red; font-size:22px; font-family:arial; text-
decoration:underline}
</style>

</HEAD>

<BODY>
<b>This is normal bold</b><br>
Selector {cursor:value}

For example:

<html>
<head>
<style type="text/css">
.xlink {cursor:crosshair}
.hlink{cursor:help}
</style>
</head>

<body>
<b>
<a href="mypage.htm" class="xlink">CROSS LINK</a>
<br>
<a href="mypage.htm" class="hlink">HELP LINK</a>
```

```
</b>
</body>
</html>

<b class="headline">This is headline style bold</b>
</BODY>


</HTML>
```

b. Set a background image for both the page and single elements on the page.
You can define the background image for the page like this:

```
BODY {background-image:url(myimage.gif);}
```

c. Control the repetition of the image with the
background-repeat property.

As background-repeat: repeat Tiles the image until the entire page is filled, just like an ordinary background image in plain HTML.

d. Define styles for links as

   A:link
   A:visited
   A:active
   A:hover

Example:

```
<style type="text/css">
        A:link {text-decoration: none}
        A:visited {text-decoration: none}
        A:active {text-decoration: none}
        A:hover {text-decoration: underline; color: red;}
</style>
```

8) **Install TOMCAT web server and APACHE.**
   While installation assign port number 4040 to TOMCAT and 8080 to APACHE. Make sure that
   these ports are available i.e., no other process is using this port.

9) Access the above developed static web pages for books web site, using these servers by putting the web
   pages developed in week-1 and week-2 in the document root.

Access the pages by using the urls : http://localhost:4040/rama/books.html (for tomcat)
http://localhost:8080/books.html (for Apache)

10) Install a database(Mysql or Oracle).
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).
Practice 'JDBC' connectivity.

11) Write a PHP program to connect to that database and extract data from the tables and display
them. Experiment with various SQL queries.
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).

12) Write a PHP which does the following job: Insert the details of the 3 or 4 users who register
with the web site (week9) by using registration form. Authenticate the user when he submits the
login form using the user name and password from the database