WEB TECHNOLOGIES CASE STUDIES

CASE STUDY 1: Library ordering system.

A popular library in the city wants to design its website to offer online ordering of the books by the customers but it wants the system to be very economical. As we have the advantage of HTML and JavaScript, XML are very powerful and free technologies, the library owner wants as much as pages of its website to be in HTML, JavaScript and XML for storing data.

With its requirement, developers have decided to design the whole ordering page in HTML and JavaScript alerts and warnings. The information is given below:

- Name of Customer

- Contact Address

- Contact number.

- Books list according to filtration by user.

- Book Name.

The information entered by the user must be entered with the proper entries checking by javascript eg name should not be in numbers.

The data entered must be saved on the server in xml files.

CASE STUDY 2: Web Gallery

A website dedicated for the wallpaper downloads wants to provide a facility for free downloading of the wallpapers. Their requirements are:

1. Links on left of their home page clicking on which the respective section will open in the right side of the page.

2. The right side page should have the category pictures in thumbnails.

3. On clicking the thumbnails the respective high resolution should be there on the right side itself.

Only using the HTML tags fulfill the above requirement.

CASE STUDY 3: Online calculators

A popular educational website wants to provide the live calculators in which the user can give the input and check their calculations online.

The website must have frame architecture for left side of page having links and the right side should open respective calculators. The calculators are:

- Maths Calculator

- Binary calculators.

- Interest calculators.

- Quadratic equations.

The company wants that these calculators must be designed only using HTML and CSS. The calculations must be done through JavaScript.

CASE STUDY 4: Toys animation web page

A very popular toy company wants to have a unique feature in its online toys-selling site.

The website is right now having all the features of toy selling from showing toys to selling of it.

But one of the staff member have come up with a great new idea of introducing some fun loving and a high beneficent elements in their page in which the toys are displayed.

He suggested that the page that shows right now only the images of the toys it should have an effect like:

- Whenever a mouse rolls on the image the toy should perform respective action within that area of image and sound should be played.

But the companies don't want to go for high animation tools for that and asks the developer to design the same with the CSS and JavaScript functionalities.

CASE STUDY 5: Pune Tourism front page

- The login entries are there in front page of the website of tourism dept of Pune. So add some moving pictures related to the city in front page and use CSS for styling.

- Design a login page with such that the user enters its registration information that stores in the xml file on web server at the time of its registration.

- When the next time user tries to log on to the site login page should read the data from the xml file and checks whether the user is already registered or not using JavaScript.