**Requirements:**

**HTML 5**

HTML5 is the latest and most enhanced version of HTML. Technically, HTML is not a programming language, but rather a markup language.

HTML5 is a cooperation between the World Wide Web Consortium (W3C) and the Web Hypertext Application Technology Working Group (WHATWG).

new standard incorporates features like video playback and drag-and-drop that have been previously dependent on third-party browser plug-ins such as Adobe Flash, Microsoft Silverlight, and Google Gears.

HTML5 introduces a number of new elements and attributes that can help you in building modern websites.

In our project, we have used the new input elements on HTML5  such as header, footer, article, aside, etc which gives a proper framework to the web page. We have also used the HTML form which consists of a range of form elements in the registration and the login form. We have used the meta tag which provides the metadata of an HTML document and to make it compatible in various devices.

**CSS 3**

Cascading Style Sheets (CSS) is a style sheet language used for describing the look and formatting of a document written in a markup language.

 It brings a lot of long-awaited novelties, like rounded corners, shadows, gradients, transitions or animations, as well as new layouts like multi-columns, flexible box or grid layouts.

In our project, we have used internal and inline CSS3. We have used css3 for slideshows, navigation bar, grid and list format, for social media links, for adding styles to headings, body and paragraphs. Using webkit so that the content alignment  remains the same in all browsers.

**Java Script**

JavaScript is the programming language of HTML and the Web.

Alongside HTML and CSS, JavaScript is one of the three core technologies of the World Wide Web. JavaScript enables interactive web pages and thus is an essential part of web applications. The vast majority of websites use it, and all major web browsers have a dedicated JavaScript engine to execute it.

As a multi-paradigm language, JavaScript supports event-driven, functional, and imperative (including object-oriented and prototype-based) programming styles. It has an API for working with text, arrays, dates, regular expressions, and basic manipulation of the DOM, but the language itself does not include any I/O, such as networking, storage, or graphics facilities, relying for these upon the host environment in which it is embedded.

Initially only implemented client-side in web browsers, JavaScript engines are now embedded in many other types of host software, including server-side in web servers and databases.

In our project, we have used JavaScript for automatic animation of slideshow function after a given amount of time, changing the layout from list to grid and vice versa, down menu, button onclick, select option function.

**Analysis:**

Our project entitled **MUMBAI FESTIVALS i**s all about the exciting festivals that takes place in Mumbai throughout the year. Many features are added in our website that makes it user friendly and informative. People who visit our website first need to register themselves after which a unique username and password is generated. This username and password can be used to login into the website and this is how the website is introduced to the user!

After the authentication part is completed, the user is availed with many options such as:

1. Information about different type of festivals

* Technical events
* Cultural events
* Theatre events
* Food Festival
* Social events
* College festivals

2. Booking of seats for festivals

3. Ratings of the festivals according to the feedback received.

According to the interest of the user, he/she can read about the the festivals and can avail their seat for the same by clicking on **Book now** option.