**TITLE**

**E-WALL**

**Promotional wall/page for university.**

(Summer project for internship)

**Members of the project :**

A.J. Sravan Kumar - 160030529

S. Reetesh - 160031308

M.S.K. Suhail - 160030873

M. Joel Sushanth - 160030836

SCOPE :-

The idea behind this project is to create a webpage first, based on front end designing languages and make a dynamic wall that has content posted from various users, since it is primarily a university based site, it is more expected to find scholarly articles and references by students or teachers, own writings and research papers.

The functionalities go as far as pinned posts, promoted posts, comments and criticizing. The data will be stored in a server at the back end, the website has registration and login options as well. There are a lot of advanced technologies based off this front end and back end development of the project.

The present scope of the project is to build and maintain a basic website which can register and login users including the people behind who maintain the website .

Our main goal for the present is to build a good GUI for users and admins to use .A better GUI can lead to better usage as administration works can be simplified without too much redundancy of work

The future scope extends to designing a better interface for user profiles, certain post-links, bookmarks, favourites, lists. All these are quite extensive functions but they can be built with use of various data structures.

TECHNOLOGIES USED :-

Basic **HTML/HTML5** for building skeleton of webpage.

HTML5 is the latest version of Hypertext Markup Language, the code that describes web pages. It's actually three kinds of code: HTML, which provides the structure; Cascading Style Sheets (CSS), which take care of presentation; and JavaScript, which makes things happen.

Use of **CSS and Bootstrap** for styling an attractive webpage.

**C**ascading **S**tyle **S**heets, fondly referred to as CSS, is a simple design language intended to simplify the process of making web pages presentable.

CSS handles the look and feel part of a web page. Using CSS, you can control the color of the text, the style of fonts, the spacing between paragraphs, how columns are sized and laid out, what background images or colors are used, layout designs,variations in display for different devices and screen sizes as well as a variety of other effects.

Bootstrap is the most popular HTML and CSS and Javascript framework for developing responsive , mobile first websites

Hovering functionalities implemented with **Java Script** and **JQuery.**

Javascript is a dynamic computer programming language. It is lightweight and most commonly used as a part of web pages, whose implementations allow client-side script to interact with the user and make dynamic pages. It is an interpreted programming language with object-oriented capabilities.

jQuery is a lightweight, "write less, do more", JavaScript library.

The purpose of jQuery is to make it much easier to use JavaScript on your website.

jQuery takes a lot of common tasks that require many lines of JavaScript code to accomplish, and wraps them into methods that you can call with a single line of code.

jQuery also simplifies a lot of the complicated things from JavaScript, like AJAX calls and DOM manipulation.

Databases using **MySql, PHP** and hosting using **XAMPP server.**

MySQL is the world’s most popular open source database. With its proven performance, reliability, and ease-of-use, MySQL has become the leading database choice for web-based applications, used by high profile web properties including Facebook, Twitter, YouTube, and all five of the top five websites\*. Additionally, it is an extremely popular choice as embedded database, distributed by thousands of ISVs and OEMs.

jQuery is not a language, but it is a well written JavaScript code. As quoted on official jQuery website, "it is a fast and concise JavaScript Library that simplifies HTML document traversing, event handling, animating, and Ajax interactions for rapid web development".

PHP is a general-purpose scripting language that is especially suited to server-side web development, in which case PHP generally runs on a web server. Any PHP code in a requested file is executed by the PHP runtime, usually to create dynamic web page content or dynamic images used on websites or elsewhere.

XAMPP is an open source free software developed by [Apache friends](https://www.apachefriends.org/download.html). XAMPP software package contains Apache distributions for Apache server, MariaDB, PHP, and Perl. And it is basically a local host or a local server. This local server works on your own desktop or laptop computer. You can just install this software on your laptop or desktop and test the clients or your website before uploading it to the remote web server or computer. This XAMPP server software gives you suitable environment for testing MYSQL, PHP, Apache and Perl projects on the local computer.

COMPLETED SO FAR :-

->Creation of template:

i)linking page with bootstrap and template css

ii)adding in html skeleton of the webpage

iii)styling with bootstrap and css including background colours

iv)adding in the navigation bar

v)adding in the google fonts used

-Ostrich sans

-LeagueGothich

-Vagtur

vi)adding in the Brand name “EwOL” in the navbar

vii)adding in the register page link and login page link

->Creation of home page:

i)adding in a Jumbotron

ii)finding image to be placed in the jumbotron

(downloaded all images from unsplash)

iii)Adding in the hovering an transition effect on the jumbotron image using css ,javascript and jquery

iv)adding in the text and positioning it over the jumbotron image

v)creating a about us section under the jumbotron

->creation a database using xampp

i)downloading and installing xampp

ii)moving all files into htdocs folder of xampp

iii)starting and running xampp

iv)creating a database “project” and table “userdata”

->creation of register page

i)copying and pasting template

ii)creating a form named “register” under navbar after linking in css and bootstrap

iii)adding in attributes to inputs in the form bar

iv)setting form action and method (here we used method POST)

v)creating a php file register.php and setting the action of the form to this file

vi)connecting the php file to database

vii)take in values of the form into php variable

viii)adding into a query and entering the values into the database “userdata”

xi)checking if the values were inserted or not. If done , close the connection

x)adding in the link to register page in all navbars of the pages

->creation of log in page

i)copying and pasting template

ii)creating a form named login under navbar after linking in css and bootstrap

iii)adding in attributes to inputs in the form bar

iv)setting form action and method (here we used method POST)

v)creating a php file login.php and setting the action of the form to this file

vi)connecting the php file to database

vii)take in values of the form into php variable

viii)adding into a query and retrieving the values from userdata where email is equal to given email

xi)checks if the values were retrieved or not . if retrieved , then finds the value of email and password and store them in variables and then close the connection

x)added in the link to login.html in all navbars of the template

Pending :

->validation of values in register form

->verify if the input values in login form exist or not

->if the values exist , log in . If not then output “record not present ” and give a button to redirect to register page and a button which redirects to login page

->adding in a forgot password mechanism to the login form

->creating user dashboard for each user

->creating a mechanism to create new table in database to store user work data for each user to store their articles and works

->creating a “follow” system for users to be able to follow their favourite authors and articles

->creating a global wall , feature wall and followers wall which anyone can access at anytime to view recent posts or featured posts or posts of the once being followed respectively

->adding in the “comment” system

Side Note :

Since this is a very huge project, and with less members working, it would take weeks to establish a well programmed wall and referencing with links and comments. However, the initial framework and practice is clear for the idea.