**A PROJECT ON**

**SCHOOL WEBSITE**

A dissertation submitted in partial fulfillment of the requirements for the award of the Course of

**School of Coding - Software Test Engineer Course**

Submitted By

**Samrudhi Meshram**

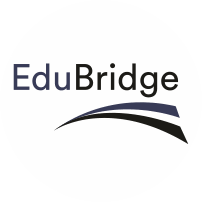
Batch No : 7669

Enrollment No : EBEON0722626127

Under the guidance of

**Mrs. Mohan Priya**

**Central Trainer of EduBridge**



**CONTENTS**

|  |  |  |
| --- | --- | --- |
| **Sr. No.** | **TITLE** | **Page No.** |
|  | ACKNOWLEDGEMENT |  |
| 1. | INTRODUCTION | 03 |
| 2. | SCOPE AND OBJECTIVE | 04 |
| 3. | SYSTEM SPECIFICATION | 05 |
| 4. | SYSTEM DESIGN | 06-08 |
| 5. | IMPLEMENTATION | 09-38 |
| 6. | TESTING | 39 - 49 |
| 7. | CONCLUSION | 50 |

**ACKNOWLEDGEMENT**

I have great pleasure in expressing my most sincere regards and deep sense of gratitude to my Project Guide Trainer Mrs. Mohan Priya for her humble guidance and valuable suggestion. I would like to express my deep sense of gratitude to my trainer of the Software Test Engineer, Edubridge, Pune for her encouragement and support. I feel happy to extend my heartfelt thank to the Trainer and whole team of Software Test Engineer for a source of inspiration and motivation last but not least I would like to thank entire Software Test Engineer Team and Trainer to helped me in completing this task successfully.

1. **INTRODUCTION**

As technology continues to advance , information disseminates easily with no hassles and it has been a common part of our everyday needs in this world. Rapid advance in technology have helped to meet these demands of the society. That is the main reason to create the school websites.

The main purpose of school website is simply to present , share, or display some information about the school. School website is the first place people look for the information they need the most. In online school website people check about the school, teaching staff, subjects, courses and check students growths education. In school website show the detailed information about the School.

1. **SCOPE AND OBJECTIVE**

**2.1 Project Objective**

School has always been described as a second home. It has been a place where people not only get to learn and discover new things, but also get to meet new people and develop friendships.

The main purpose of developed the school Website is to manage the student data, teachers data to access both admin as well as students. It is useful to provide neccessory information about the school and school growth.

**2.2 Project Proposal**

The AHPS School is in need of a system that can store, process and manage their students and teachers data. During the last 2 years, the school has successfully multiplied the number of students from its previous years,

As the school continue succeed and contract new students. Keeping students record organized and accessible to both student and school management. The school would like to improve its technological resources so that it can benefit students, while implementing a system that is flexible enough for future growth.

Since, the data must be accessible to both students the new system must provide data online securely and reliable.

1. **SYSTEM SPECIFICATION**

**3.1 Hardware Specification**

Processor will continue to get faster, smaller and cheaper, whereas memory will continue to get faster, larger and cheaper. The trend except to have a reasonable memory to a powerful processor.

Processor : Intel core processor

Ram : 8GB

Monitor : 17 inches

Keyboard : 104 keys

Mouse : logical optical mouse

**3.2 Software Specification**

When an application project is considered the three basic software requirement are the platform in which the project is developed, the front-end tool that provides the interaction with user and the back-end tool that store the data.

Operating System : Window 11

Front-end : Notepad , Browser

1. **SYSTEM DESIGN**

To model the system, design techniques are used. Object Oriented design, Rapid application development, prototyping and Modern structured design are examples to design techniques that currently used.

For this development Object oriented design techniques has been used. In this method there are advantages such as, code reusable facility, design benefits and maintainable facilities with Objects and classes.

Unified Modeling Language (UML) plays a significant role in Object Orient designing. UML allows programmers easy understand models of objects so that programmers can easily write software. Some of structural and behavioral UML diagrams use for design proposes systems are mentioned below.

* Use case diagrams – This makes clear what are the capabilities of the system.
* Use case narratives – Make use cases more clear
* Activity diagrams – shows how activities are coordinated to provide a service which can be at different levels of abstraction.
* DFD’s – Data flow diagrams representing a flow of data through a process or a system
* Class diagrams – this is the main building block in object-oriented modelling.

**4.1 Use Case Diagram for School Website**

**Admin**

**Student**

Diag.1

**4.2 Activity Diagram for School Website**

Login to the school system

**Start**

Check user Permission

Check permission

Check permission

Check Permission

Check Permission

Manage Student

Manage Teacher

Manage School

Manage courses

Logout the system

**End**

Diag.2

**4.3 Class Diagram for School Website**

login

Name Age Username Password

Add update information

Student

course

admit

update

Transaction

details

processDebit

Instruction

Credential add

update

Course

Description date yearlevel

update

Enrollment

details requirement date

update

Subjects

name

description

Schedule

Diag.3

**4.4 Data Level Flow Diagram for School Website**

Student info student info

Manage student info

Student info

# Course offer list

Course offer

Student database

Monitor Enrollment transaction

course offer

**Student**

chosen course Enrollment details

Admin

Manage instruction info

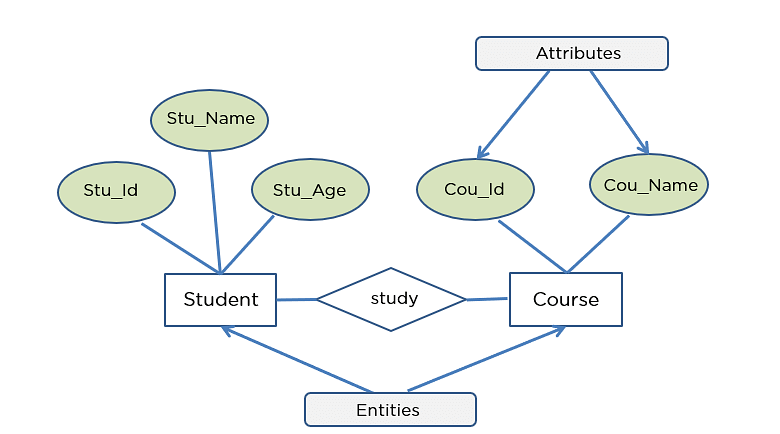
subject instructor

Student update student update

Check student year and status

Diag.4

**4.5 ER Diagram**



Diag.5

1. **IMPLEMENTATION**

In Implementation process client environments were considered. There are environment requirements in this process. Those requirements are divided as software and hardware requirements.

**5.1 Operating Environment**

* Windows 11 Operating system - 32 or 64 Bit. (earlier Windows 7 was enough)
* Active Internet Connection

**5.2Language Used:**

**HTML:**  HTML stands for Hyper Text Markup Language. HTML is the standard markup language for creating Web pages .HTML describes the structure of a Web page .HTML consists of a series of elements .HTML elements tell the browser how to display the content.HTML elements label pieces of content such as "this is a heading", "this is a paragraph", "this is a link", etc.

**CSS:** CSS stands for Cascading Style Sheets. CSS describes how HTML elements are to be displayed on screen, paper, or in other media. CSS saves a lot of work. It can control the layout of multiple web pages all at once. External stylesheets are stored in CSS files.

**JavaScript:** 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. JavaScript can update and change both **HTML** and **CSS.** JavaScript can **calculate**, **manipulate** and **validate** data.

**5.3 Network Architecture**

Users can interact with the School management system using web browser. Can be access via Internet.

**5.4 DESCRIPTION OF MODULES**

**Modules**

In this website I have created the online school Website for AHPS School.

In my School webpage I have include Home, Course, Contact Us, Login tabs.

In navigation Bar

* HOME
* COURSES
* CONTACT US
* LOGIN

**5.4.1 Home**

In my School website home page show the pictures of students, class, information about the school and encouragement to get admission here.

**5.4.2 Courses**

In my school website we provide the courses for students to better understanding. We provide the courses 8th, 9th, 10th grade.

**5.4.3 Contact Us**

School website show the growth of school and gave information about their subjects. Student led online discussion typically motivate deeper understanding the subjects and school allows student to share their ideas on various subjects with each other.

**5.4.4 Login**

In my school webpage there is an login tab if the student is in the school they access the information about their marks, subjects. If the student not in the school they register and login.

* 1. **CODING**

**HTML**

**Home :**

<!DOCTYPE html>

<html lang="en">

<head>

<title>ACADMIC SCHOOL</title>

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-scale=1">

<meta name="Keywords" content="ACADMIC HIGHTS PUBLIC SCHOOL,SAKOLI">

<meta name="author" content="Rajesh Chandwani">

<link rel="stylesheet" type="text/css" href="css/style.css">

<script src="javascript/js.js="></script>

</head>

<body class="body">

<header class="mainheader">

<img src="images\LOGO2.png">

<content id="search">

<form>

<input type="text" name="search" placeholder="Search anything..." onclick="window.location.href='search.html'">

</form>

</content>

<nav>

<ul>

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

<li><a href="course.html">Course</a></li>

<li><a href="contact.html">Contact Us</a></li>

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

</ul>

</nav>

</header>

<br>

<div class="slideshow-container">

<div class="iambrpslides fade">

<div class="numbertext">01 / 03</div>

<img src="images\Gimg6.jpg">

</div>

<div class="iambrpslides fade">

<div class="numbertext">02 / 03</div>

<img src="images\Gimg5.jpg">

</div>

<div class="iambrpslides fade">

<div class="numbertext">03 / 03</div>

<img src="images\Gimg4.jpg">

</div>

</div>

<div style="text-align:center">

<span class="dot"></span>

<span class="dot"></span>

<span class="dot"></span>

</div>

<script>

var slideIndex = 0;

showSlides();

function showSlides() {

var i;

var slides = document.getElementsByClassName("iambrpslides");

var dots = document.getElementsByClassName("dot");

for (i = 0; i < slides.length; i++) {

slides[i].style.display = "none";

}

slideIndex++;

if (slideIndex> slides.length) {slideIndex = 1}

for (i = 0; i < dots.length; i++) {

dots[i].className = dots[i].className.replace(" active", "");

}

slides[slideIndex-1].style.display = "block";

dots[slideIndex-1].className += " active";

setTimeout(showSlides, 2500); // This is for Changing image every 2.5 seconds

}

</script>

<br>

<script type="text/javascript">

document.title="Home";

</script>

<script src="scripts/slider.js"></script>

<div class="mainContent">

<div class="Content">

<article class="topContent">

<header>

<h3><a href="#" title="My First Post">AHPS</a></h3>

</header>

<footer>

<p class="post-info">This post is written by Rajesh Chandwani</p>

</footer>

<content>

<p>Acadmic heights public school, sakoli is an CBSE Institution dedicated to maintain excellent acadmic performance.Since its establishment in 2018, Acadmic heights public school has been actively working as a regular CBSE school Acadmic heights school has an established track record of Academic excellence. We are supported by a team of dedicated teachers, Lecturers, Counselors, meticulous management with a caring H.R. support service. Academic heights public school, sakoli is today producing collage, creating an enviable position among employers and Universities both Nationally and Internationally.

Academic heights public school sakoli, today can proudly boast of having produced sustainable and marketable students in various programs.

</p>

</content>

</article>

<article class="bottomContent">

<header>

<h3><a href="#" title="Pathway Programme">Pathway Programme</a> </h3>

</header>

<footer>

<p class="post-info">This post is written by Rajesh Chandwani</p>

</footer>

<content>

<p>We plan for quality higher education programmes with complete progression pathway for you – from Foundation program up to degree level by the universities in nagpur.

Our distinguished Academic and Examination Board also sets the academic and examination standards of academic hights school programmes.

We make learning exclusive for you.

We know everyone has different learning needs and lifestyles. We have learning modes ranging from traditional classroom learning, to e-learning and a combination of both to accommodate to different learning patterns.

Our holistic education programme places equal emphasis on both academic and non-academic, co-curricular activities. We strive to provide learning and support services, as well as a conducive environment for you to learn, live and develop into global thought leaders of tomorrow.

We focus in giving you the best.

</p>

</content>

</article>

</div>

</div>

<aside class="top-sidebar">

<article>

<h3>Join us today!</h3>

<p>Embark on an exciting learning journey with Academic hights public school</p>

</article>

</aside>

<aside class="middle-sidebar">

<article>

<h3>Your Boardroom Qualification</h3>

<p>stand out from the crowd....!</p>

</article>

</aside>

<aside class="buttom-sidebar">

<article>

<h3>Be ahead of your peers</h3>

<p>Fast track your education with Academic Hights</p>

</article>

</aside>

</body>

</html>

**Courses**

<!DOCTYPE html>

<html lang="en">

<head>

<title>ACADEMIC HIGHTS</title>

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-scale=1">

<meta name="Keywords" content="ACADEMIC HIGHTS PUBLIC SCHOOL, SAKOLI">

<meta name="author" content="Rajesh Chandwani">

<link rel="stylesheet" type="text/css" href="css/style.css">

<script src="javascript/js.js="></script>

</head>

<body class="body">

<header class="mainheader">

<img src="images/LOGO2.png">

<content id="search">

<form>

<input type="text" name="search" placeholder="Search anything..." onclick="window.location.href='search.html'">

</form>

</content>

<nav>

<ul>

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

<li><a href="course.html">Course</a></li>

<li><a href="contact.html">Contact Us</a></li>

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

</ul>

</nav>

<h1>class 8th</h1>

<div class="gallery">

<a target="\_blank" href="images/Course/a1.jpg">

<img src="images/Course/a1.jpg" alt="science" width="300" height="200">

</a>

<div class="desc">Science</div>

</div>

<div class="gallery">

<a target="\_blank" href="images/Course/b1.jpg">

<img src="images/Course/b1.jpg"" alt="social science" width="300" height="200">

</a>

<div class="desc">Social Science</div>

</div>

<div class="gallery">

<a target="\_blank" href="images/Course/c1.jpg">

<img src="images/Course/c1.jpg"" alt="general knowledge" width="300" height="200">

</a>

<div class="desc">General knowledge</div>

</div>

<div class="gallery">

<a target="\_blank" href="images/Course/d3.jpg">

<img src="images/Course/d3.jpg"" alt="mathematics" width="300" height="200">

</a>

<div class="desc">Mathematics for Computer Science</div>

</div>

<div id="fix"></div>

<hr>

<h1>class 9th</h1>

<div class="gallery">

<a target="\_blank" href="images/Course/a1.jpg">

<img src="images/Course/a1.jpg" alt="science" width="300" height="200">

</a>

<div class="desc">science</div>

</div>

<div class="gallery">

<a target="\_blank" href="images/Course/b1.jpg">

<img src="images/Course/b1.jpg"" alt="social science" width="300" height="200">

</a>

<div class="desc">social science</div>

</div>

<div class="gallery">

<a target="\_blank" href="images/Course/c1.jpg">

<img src="images/Course/c1.jpg"" alt="genera knowledge" width="300" height="200">

</a>

<div class="desc">general knowledge</div>

</div>

<div class="gallery">

<a target="\_blank" href="images/Course/d3.jpg">

<img src="images/Course/d3.jpg"" alt="mathematics" width="300" height="200">

</a>

<div class="desc">Mathematics for Computer Science</div></div>

<div id="fix"></div>

<hr>

<h1>class 10th</h1>

<div class="gallery">

<a target="\_blank" href="images/Course/a1.jpg">

<img src="images/Course/a1.jpg" alt="science" width="300" height="200">

</a>

<div class="desc">science</div>

</div>

<div class="gallery">

<a target="\_blank" href="images/Course/b1.jpg">

<img src="images/Course/b1.jpg"" alt="social science" width="300" height="200">

</a>

<div class="desc">social science</div>

</div>

<div class="gallery">

<a target="\_blank" href="images/Course/c1.jpg">

<img src="images/Course/c1.jpg"" alt="general knowledge" width="300" height="200">

</a>

<div class="desc">general knowledge</div>

</div>

<div class="gallery">

<a target="\_blank" href="images/Course/d3.jpg">

<img src="images/Course/d3.jpg"" alt="mathematics" width="300" height="200">

</a>

<div class="desc">Mathematics for Computer Science</div>

</div>

<div id="fix"></div>

<hr>

<script type="text/javascript">

document.title="Course";

</script>

</body>

</html>

**Contact us**

<!DOCTYPE html>

<html lang="en">

<head>

<title>Academi Heights</title>

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-scale=1">

<meta name="Keywords" content="academic hights public school, sakoli">

<meta name="author" content="Rajesh Chandwani">

<link rel="stylesheet" type="text/css" href="css/style.css">

<script src="javascript/js.js"></script>

<script src="javascript/validatename.js"></script>

</head>

<body class="body">

<header class="mainheader">

<img src="images/LOGO2.png" width="30" height="30">

<content id="search">

<form>

<input type="text" name="search" placeholder="Search anything..." onclick="window.location.href='search.html'">

</form>

</content>

<nav>

<ul>

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

<li><a href="course.html">Course</a></li>

<li><a href="contact.html">Contact Us</a></li>

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

</ul>

</nav>

</header>

<h3>Contact</h3>

<h4>AHPS<br>

SAKOLI</h4>

BHANDARA

<pre>

Phone : +91 7897563467<br>

Email : ahps@sakoli.com<br>

Facebook : http://facebook.com/AHPS<br>

</pre>

<!DOCTYPE html>

<html>

<body>

<br>

<br>

<strong>If you are student please enter your student number:</strong>

<center>

<input id="numb">

<button type="button" onclick="myFunction()">Submit</button>

<p id="demo"></p>

</center>

<hr>

<script>

function myFunction() {

var x, text;

// Get the value of the input field with id="numb"

x = document.getElementById("numb").value;

// If x is Not a Number or less than one or greater than 10

if (isNaN(x) || x < 1 || x > 1000) {

text = "Input not valid";

} else {

text = "Input OK";

}

document.getElementById("demo").innerHTML = text;

}

</script>

</body>

</html>

<script type="text/javascript">

document.title="Contact";

</script>

</body>

</html>

**Login**

<!DOCTYPE html>

<html lang="en">

<head>

<title>ACADEMIC HIGHTSe</title>

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-scale=1">

<meta name="Keywords" content="Academic hights public scholl, sakoli">

<meta name="author" content="Rajesh Chandwani">

<link rel="stylesheet" type="text/css" href="css/style.css">

<script src="javascript/js.js="></script>

<script src="javascript/login.js"></script>

</head>

<body class="body">

<header class="mainheader">

<img src="images/LOGO2.png">

<content id="search">

<form>

<input type="text" name="search" placeholder="Search anything..." onclick="window.location.href='search.html'">

</form>

</content>

<nav>

<ul>

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

<li><a href="course.html">Course</a></li>

<li><a href="contact.html">Contact Us</a></li>

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

</ul>

</nav>

</header>

<div class="container">

<div class="main">

<h3>AHPS Login</h3><hr/>

<form id="form\_id" method="post" name="myform">

<strong>User Name :</strong></br>

<input type="text" name="username" id="username"/></br>

<strong>Password :</strong></br>

<input type="password" name="password" id="password"/></br>

<input type="button" value="Login" id="submit" onclick="validate()"/>

</form>

<span><b class="note">Note : </b><strong>For this demo use following username and password. <br/><b class="valid"><h4>User Name : ahps<br/>Password : ahps@123</b></h4></span></strong>

</div>

<div class="fugo">

<a href="images/login photo.jpg"><img src="images/login photo.jpg" /></a>

</div>

</div>

<script type="text/javascript">

document.title="Login";

</script>

</body>

</html>

**CSS**

h2{

background-color: #FEFFED;

padding: 30px 35px;

margin: -10px -50px;

text-align:center;

border-radius: 10px 10px 0 0;

}

hr{

margin: 10px -50px;

border: 0;

border-top: 1px solid #ccc;

margin-bottom: 40px;

}

div.container{

width: 900px;

height: 610px;

margin:35px auto;

font-family: 'Raleway', sans-serif;

}

div.main{

width: 300px;

padding: 10px 50px 25px;

border: 2px solid gray;

border-radius: 10px;

font-family: raleway;

float:left;

margin-top:50px;

}

input[type=text],input[type=password]{

width: 100%;

height: 40px;

padding: 5px;

margin-bottom: 25px;

margin-top: 5px;

border: 2px solid #ccc;

color: #4f4f4f;

font-size: 16px;

border-radius: 5px;

}

label{

color: #464646;

text-shadow: 0 1px 0 #fff;

font-size: 14px;

font-weight: bold;

}

center{

font-size:32px;

}

.note{

color:red;

}

.valid{

color:green;

}

.back{

text-decoration: none;

border: 1px solid rgb(0, 143, 255);

background-color: rgb(0, 214, 255);

padding: 3px 20px;

border-radius: 2px;

color: black;

}

input[type=button]{

font-size: 16px;

background: linear-gradient(#ffbc00 5%, #ffdd7f 100%);

border: 1px solid #e5a900;

color: #4E4D4B;

font-weight: bold;

cursor: pointer;

width: 100%;

border-radius: 5px;

padding: 10px 0;

outline:none;

}

input[type=button]:hover{

background: linear-gradient(#ffdd7f 5%, #ffbc00 100%);

}

.fugo{

float:right;

}

body{

background-color: rgb(90, 100, 85);

color: white;

font-size: 87.5%;

/\*Font Size is 14 \*/

font-family: Arial, "Comic Sans Ms";

line-height: 1.5;

text-align: left;

}

div.gallery {

margin: 5px;

border: 1px solid #ccc;

float: left;

width: 180px;

}

div.gallery:hover {

border: 1px solid #777;

}

div.gallery img {

width: 100%;

height: auto;

}

#fix{

clear: both;

}

div.desc {

padding: 15px;

text-align: center;

}

iframe{

float: right;

}

a{

text-decoration: none;

color: white;

}

a:link, a:visited{

color: #CF5C3F;

}

a:hover, a:active{

background-color: #CF5C3F;

color:#fff;

}

.body{

margin: 0 auto;

width: 70%;

clear: both;

}

.mainheader img{

width: 30%;

height: auto;

margin: 2% 0;

}

.mainheader nav{

background-color: #666;

height: 40px;

line-height: 40px;

border-radius: 5px;

-moz-border-radius: 5px;

-webkit-border-radius: 5px;

}

.mainheader nav ul {

list-style-type: none;

margin: 0 auto;

}

.mainheader nav ul li {

list-style-type: none;

margin: 0 auto;

float: left;

display: inline-block;

}

.mainheader nav a:link, .mainheader nav a:visited{

color: #fff;

padding: 10px 25px;

height: 20px;

}

.mainheader nav a:hover, .mainheader nav a:active,

.mainheader nav .active a:link, .mainHeader nav .active a:visited

{

background-color: #cf5c3F;

text-shadow: none;

}

.mainheader nav ul li a{

border-radius: 5px;

-moz-border-radius: 5px;

-webkit-border-radius: 5px;

}

.mainContent{

line-height: 25px;

border-radius: 5px;

-moz-border-radius: 5px;

-webkit-border-radius: 5px;

}

.Content{

width: 70%;

float: left;

border-radius: 5px;

-moz-border-radius: 5px;

-webkit-border-radius: 5px;

}

.topContent{

background-color: rgb(0,0,60);

line-height: 25px;

border-radius: 5px;

-moz-border-radius: 5px;

-webkit-border-radius: 5px;

padding: 3% 5%;

margin-top: 2%;

}

.bottomContent{

background-color: rgb(0,0,60);

line-height: 25px;

border-radius: 5px;

-moz-border-radius: 5px;

-webkit-border-radius: 5px;

padding: 3% 5%;

margin-top: 2%;

}

.top-sidebar{

width: 21%;

float: left;

background-color: #cab;

border-radius: 5px;

-moz-border-radius: 5px;

-webkit-border-radius: 5px;

padding: 2% 3%;

margin: 2% 0 2% 3%;

}

.middle-sidebar{

width: 21%;

float: left;

background-color: #cab;

border-radius: 5px;

-moz-border-radius: 5px;

-webkit-border-radius: 5px;

margin-left: 3%;

padding: 2% 3%;

margin-bottom: 2%;

}

.buttom-sidebar{

width: 21%;

float: left;

background-color: #cab;

border-radius: 5px;

-moz-border-radius: 5px;

-webkit-border-radius: 5px;

margin-left: 3%;

padding: 2% 3%;

margin-bottom: 2%;

}

.mainFooter{

width: 100%;

float: left;

border-radius: 5px;

-moz-border-radius: 5px;

-webkit-border-radius: 5px;

background-color: #666;

margin-top: 6%;

margin-bottom: 2%;

}

.mainFooter p{

width: 92%

margin: 10px auto;

color: #fff;

padding: 2px;

height: 40px;

text-align: center;

}

#search{

float: right;

}

#search input[type=text] {

width: 100%;

box-sizing: border-box;

border: 2px solid #ccc;

border-radius: 4px;

font-size: 16px;

background-color: white;

background-image: url('../images/searchicon.png');

background-position: 10px 10px;

background-repeat: no-repeat;

padding: 10px 40px 12px 40px;

}

.post-info{

font-style: italic;

color: #999;

font-size: 90%;

}

\* {box-sizing:border-box}

body {font-family: Verdana,sans-serif;}

.iambrpslides {display:none}

/\* Slideshow container \*/

.slideshow-container {

max-width: 1000px;

position: relative;

margin: auto;

}

/\* Number text (1/3 etc) \*/

.numbertext {

color: #f2f2f2;

font-size: 12px;

padding: 8px 12px;

position: absolute;

top: 0;

}

/\* The dots/bullets/indicators \*/

.dot {

height: 13px;

width: 13px;

margin: 0 2px;

background-color: #bbb;

border-radius: 50%;

display: inline-block;

transition: background-color 0.6s ease;

}

.active {

background-color: #717171;

}

/\* Fading animation \*/

.fade {

-webkit-animation-name: fade;

-webkit-animation-duration: 1.5s;

animation-name: fade;

animation-duration: 1.5s;

}

@-webkit-keyframes fade {

from {opacity: .4}

to {opacity: 1}

}

@keyframes fade {

from {opacity: .4}

to {opacity: 1}

}

/\* On smaller screens, decrease text size \*/

@media only screen and (max-width: 300px) {

.text {font-size: 11px

}

}

img{

width: 100%;

height: 350px;

}

**JAVASCRIPT**

//this is for slideshow of images

var slideIndex = 0;

showSlides();

function showSlides() {

var i;

var slides = document.getElementsByClassName("mySlides");

var dots = document.getElementsByClassName("dot");

for (i = 0; i < slides.length; i++) {

slides[i].style.display = "none";

}

slideIndex++;

if (slideIndex> slides.length) {slideIndex = 1}

for (i = 0; i < dots.length; i++) {

dots[i].className = dots[i].className.replace(" active", "");

}

slides[slideIndex-1].style.display = "block";

dots[slideIndex-1].className += " active";

setTimeout(showSlides, 3000); // Change image every 2 seconds

}

var attempt = 3; //Variable to count number of attempts

//Below function Executes on click of login button

function validate(){

var username = document.getElementById("username").value;

var password = document.getElementById("password").value;

if ( username == "informatics" && password == "informatics123"){

alert ("Login successfully");

window.location = "success.html"; //redirecting to other page

return false;

}

else{

attempt --;//Decrementing by one

alert("Incorrect Password !! You have left "+attempt+" attempt;");

//Disabling fields after 3 attempts

if( attempt == 0){

document.getElementById("username").disabled = true;

document.getElementById("password").disabled = true;

document.getElementById("submit").disabled = true;

return false;

}

}

}

function validateName() {

var name = document.getElementById('contact-name').value;

if(name.length == 0) {

producePrompt('Name is required', 'name-error' , 'red')

return false;

}

if (!name.match(/^[A-Za-z]\*\s{1}[A-Za-z]\*$/)) {

producePrompt('First and last name, please.','name-error', 'red');

return false;

}

producePrompt('Valid', 'name-error', 'green');

return true;

}

function validatePhone() {

var phone = document.getElementById('contact-phone').value;

if(phone.length == 0) {

producePrompt('Phone number is required.', 'phone-error', 'red');

return false;

}

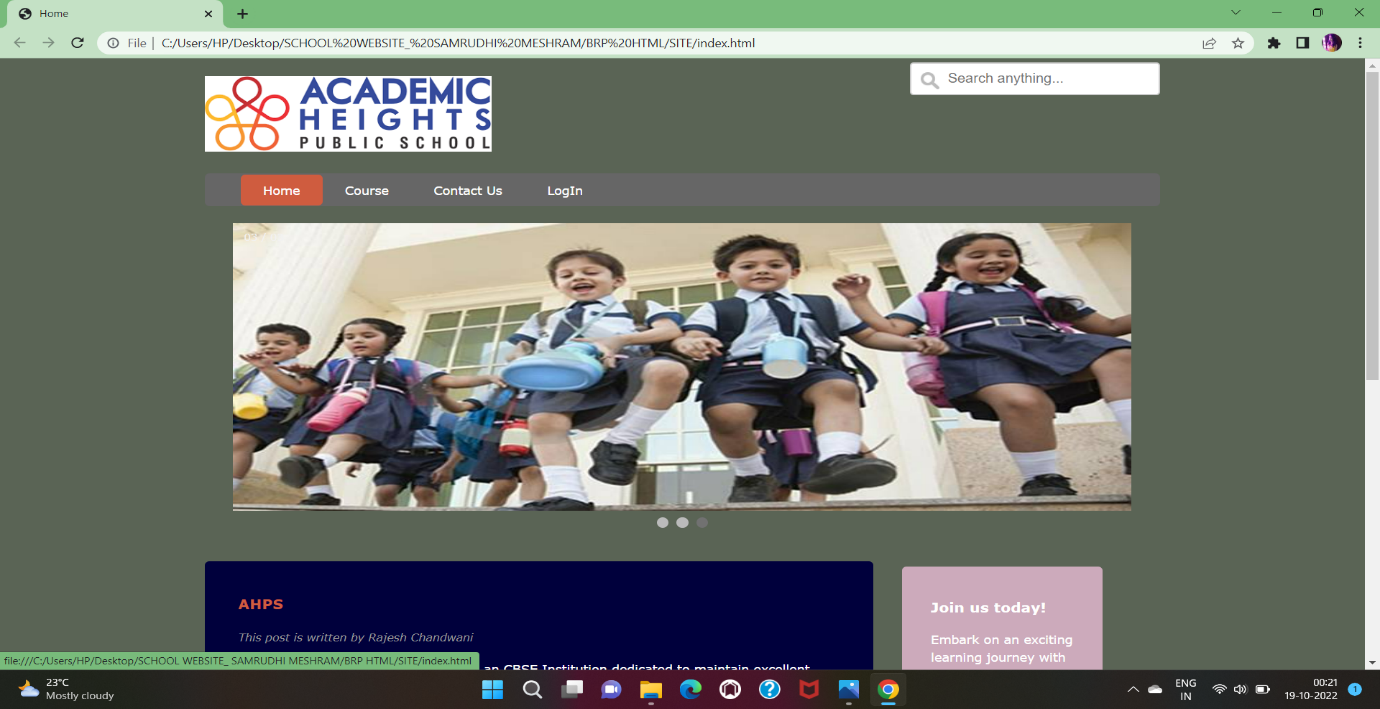
if(phone.length != 10) {

producePrompt('Include area code.', 'phone-error', 'red');

return false;

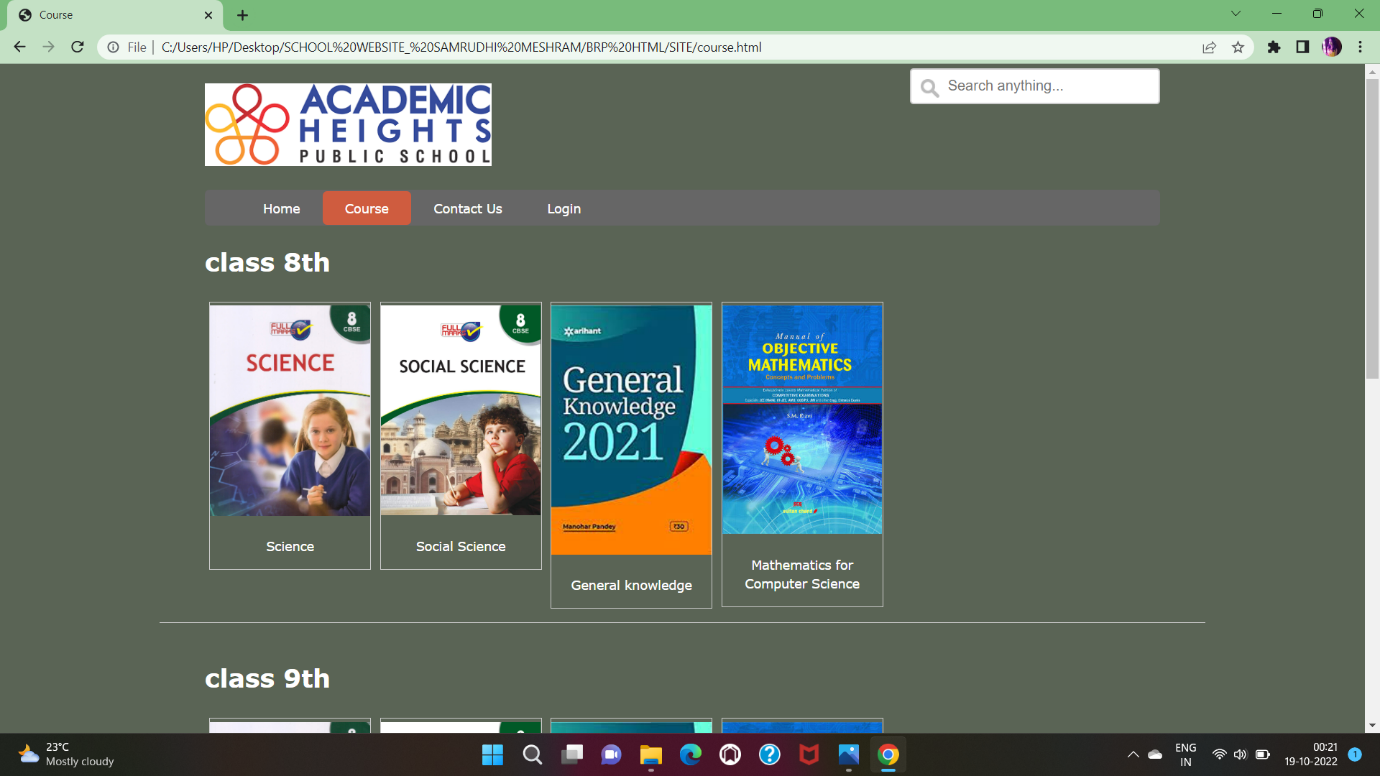
}

* 1. **RESULT /OUTPUT**
     1. **Home**

****

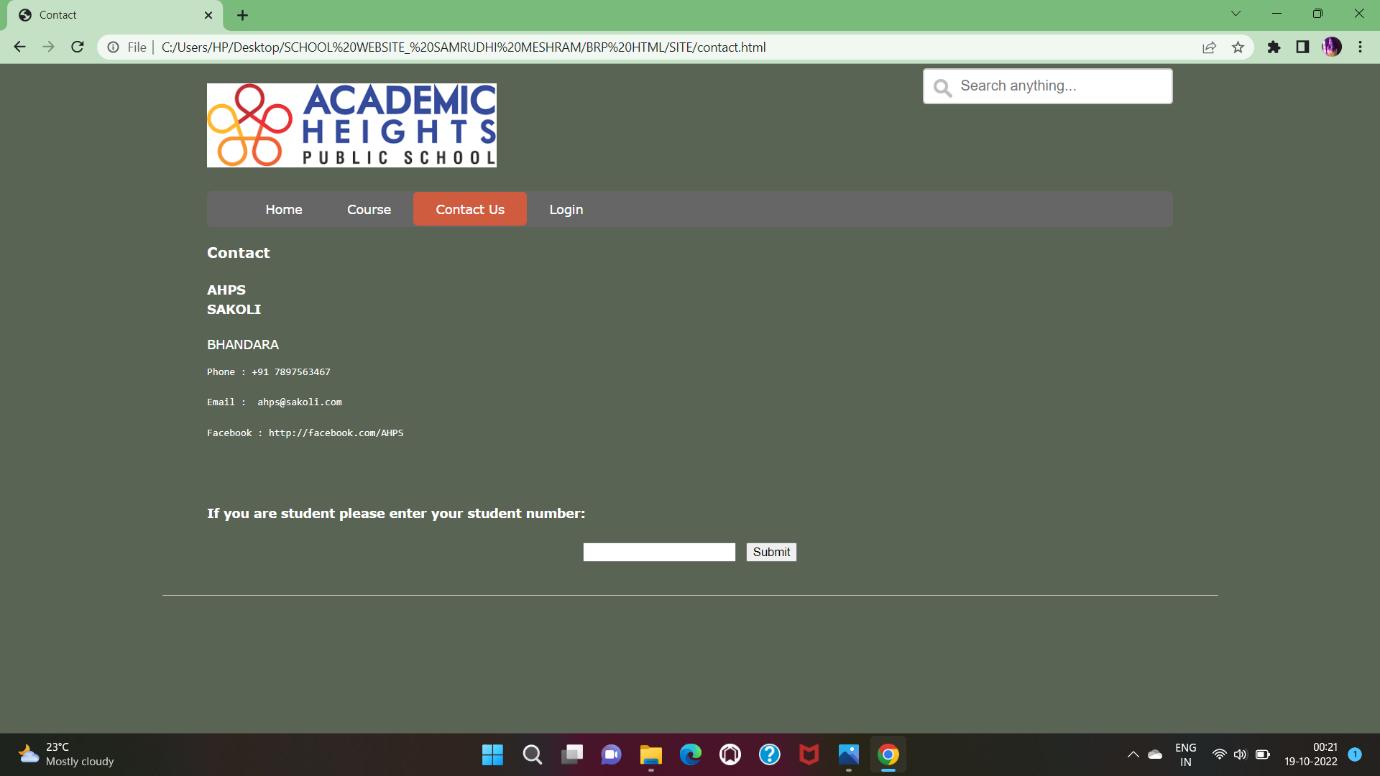
**Fig.1.** It show the home page of my school website.

**5.5.2 Courses**



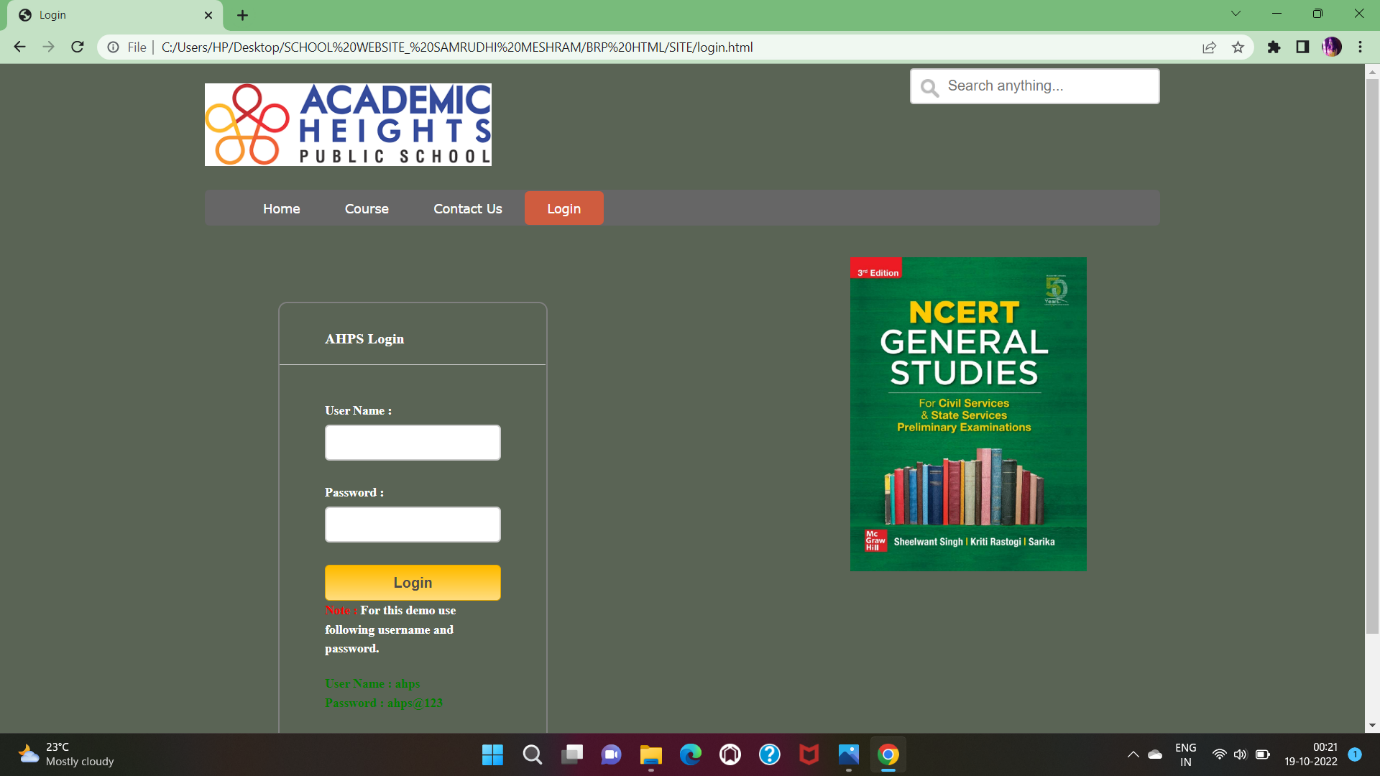
**Fig.2** It show the courses of my school webpage.

**5.5.3 Contact us**



**Fig.3** It show the contact page and how to contact us.

**5.5.4 Login**



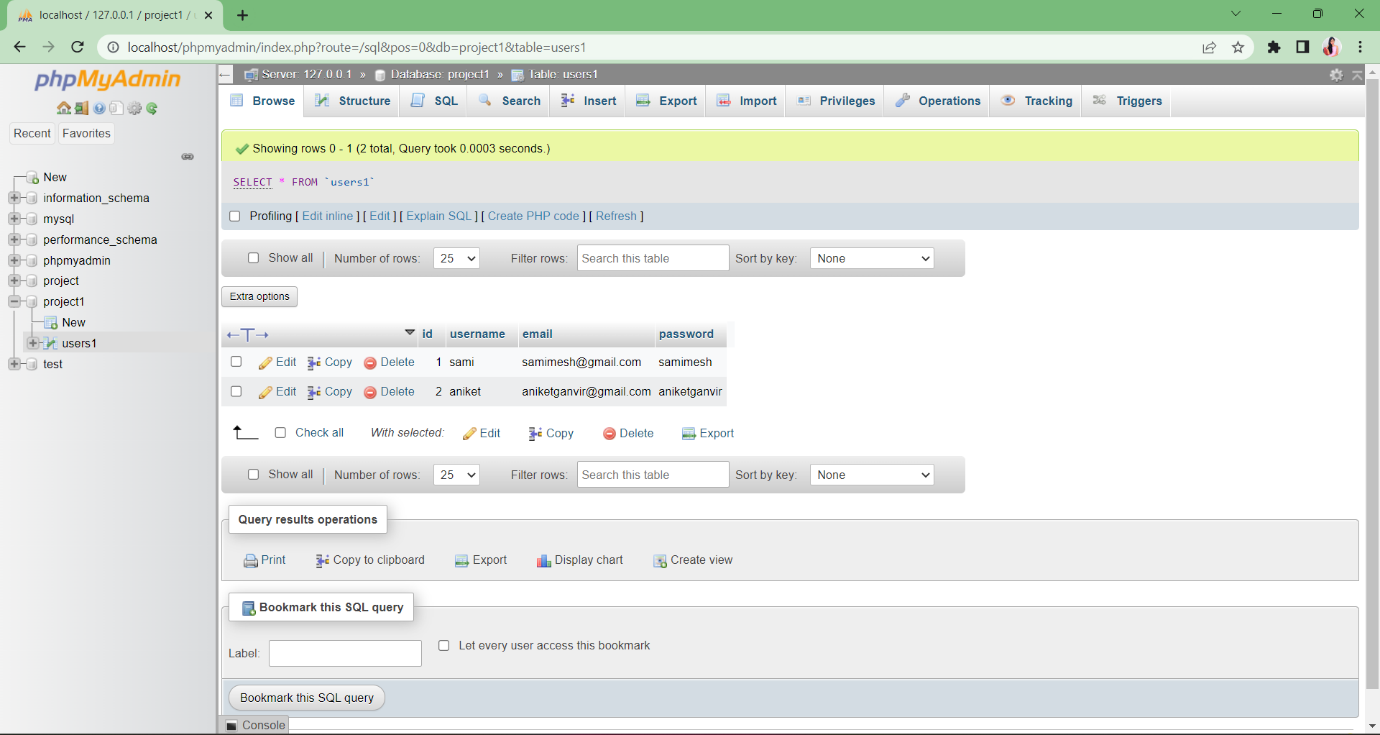
**Fig.4** Below figure show the login page.

* 1. **DB Connectivity**

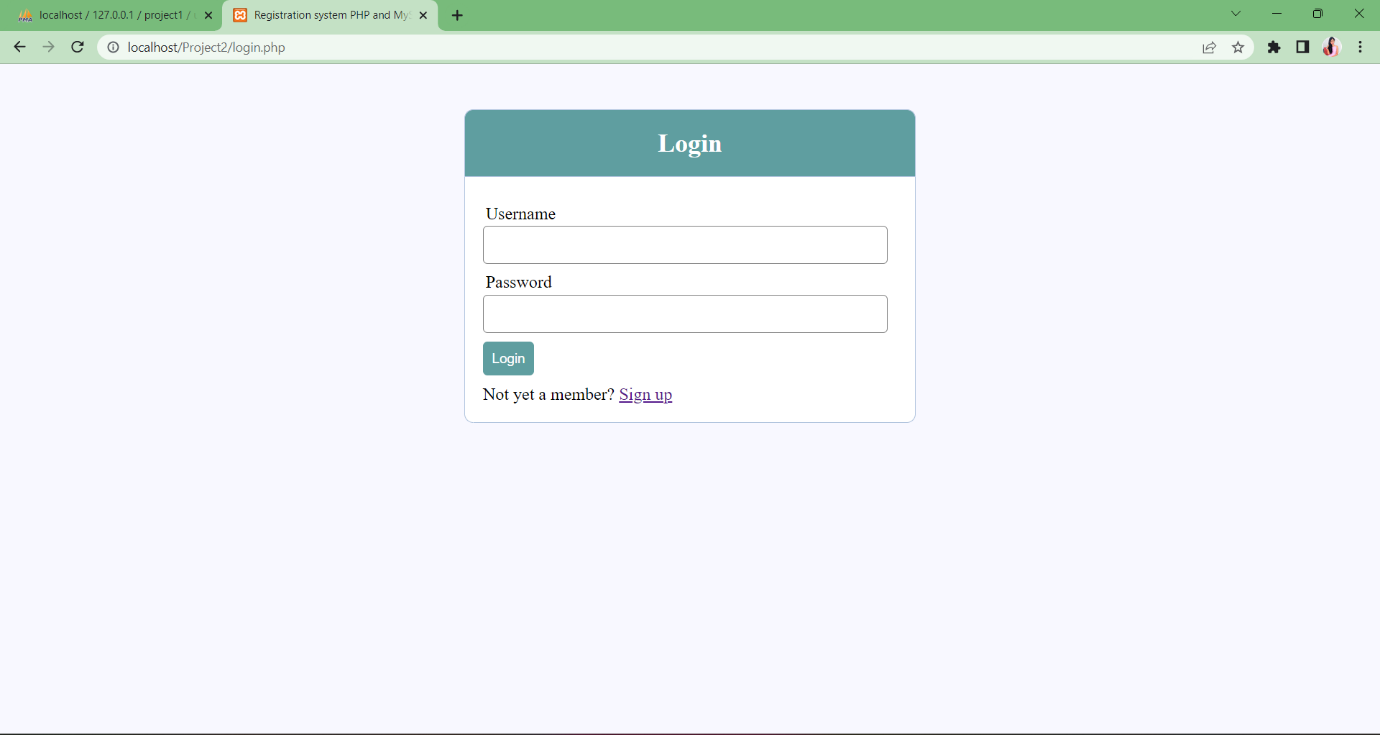
A database connection is a facility in computer science that allow client software to talk to database server software , whether on the same machine or not.

Steps:

* create database
* Create a folder in htdocs
* Create database connection file in PHP
* Create new php file to check your database connection
* Run it.
  + 1. **DataBase Table**

****

* + 1. **Login page**

****

1. **TESTING**

**6.1 Introduction**

Software Testing is a critical component of software quality assurance that represents the ultimate analysis of specification, design, and code generation of software product. The Testing method is basically combined with Verification and Validation. Validation refers to testing whether the system satisfies the requirements while Verification refers to whether the system implements the specifies functions properly. A basic goal of test evaluation is determining whether the promises about the invention by the supplier and the requirements of the customer are met on an acceptable level.

**6.2 Testing Procedure**

Software testing and implementation are iterative processes. Most of the time both stages work as simultaneous system components. The propose system was tested while the development was ongoing. Following iterative RUP development life cycle made it possible to test Iterative increments of the software.

Structural testing techniques were followed in this phase including “White Box “testing which tests “how a program/system does something”. Functional testing techniques were used, which includes “Black box” testing which tests the behavior of a system or program. These techniques were exploited in different testing levels like unit testing.

System followed object-oriented methodology, so object oriented testing was also carried out in this phase. Individual operations associated with object were tested initially, followed by testing individual classes and clusters of objects, and finally test the system as whole. User acceptance testing was completed in client site, participation of few staff members.

**6.3 Test Plan and Test Cases**

Implementation stage starts the testing process. In development stage code is reviewed. Test

Plan included all phases of testing and also used as a guide for the overall testing process. The

Test plan was designed before the implementation of the system. Test Objectives, Test Schedule

Test Logistics and Test Strategies are included in Test plan. Test cases are highly considered in here.

Test cases were created according to the designed test plan. That contains data, procedure, and expected result and represents which use to system or part of the system run. To reduce complexity of the testing process test cases were designed for each module independently. The following tables specify some test cases.

Manual Testing method and procedure used for testing rather than automation tools and technologies.

Below tables tabulates some test cases for test basic functions.

**6.4 Test Case**

**Test cases for School Website**

Project Name: School website

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Home** | | | | | | | | |
| Test scenario id | Test Scenario | Test case | Test case id | Steps | Input | Expected result | Actual Result | Status |
| TS\_01 | Check Home page | Check url | TC\_01 | Go to home page click on Home | file:///C:/Users/HP/Desktop/Font\_end\_project/index.html | Display about Courses | Same as Expected result | Pass |
| **Courses** | | | | | | | | |
| Test scenario id | Test Scenario | Test case | Test case id | Steps | Input | Expected result | Actual Result | Status |
| TS\_02 | Check courses | Check url | TC\_02 | Go to home page click on courses | file:///C:/Users/HP/Desktop/Font\_end\_project/course.html | Display about Courses | Same as Expected result | Pass |
| **Contact Us** | | | | | | | | |
| Test scenario id | Test Scenario | Test case | Test case id | Steps | Input | Expected result | Actual Result | Status |
| TS\_03 | Check contact us | Check Url | TS\_03 | Go to contact us and click  Add student number and submit | file:///C:/Users/HP/Desktop/Font\_end\_project/contact.html  7856982645 | Submitted | Same as expected result | pass |
| **Login** | | | | | | | | |
| Test scenario id | Test Scenario | Test case | Test case id | Steps | Input | Expected result | Actual Result | Status |
| TS\_04 | Check login | Check Url | TS\_0 | Go to login page  Enter user name  Enter password  Click on login button | file:///C:/Users/HP/Desktop/Font\_end\_project/login.html  samimesh14  Sami@123 | Login successfully | Same as expected result | pass |

**6.5 Website Automation Test**

**6.5.1 Website test automation using selenium**

Automation testing is a software technique that perform using special automated thesting software tools to execute a test case suite.

On the contrary, Manual Testing is performed by a human sitting in front of a computer carefully executing the test steps.

The automation testing software can also enter test data into the system under Test, compare expected and actual results and generate detailed test reports.

Software Test Automation demands considerable investments of money and resources.

**6.5.2 Automation testing process:**

Step 1. Test tool Selection

Step 2. Define scope of Automation

Step 3. Planning Design and development

Step 4. Test execution

Step 5. Maintenance

**6.6 Selenium**

selenium is one of the most widely used open source Web UI (user interface ) automation testing suite. It was originally developed by jason Huggins in 2004 as an internal tool at Thought Works.

Selenium support automation across different browser, platform and programming languages. Selenium can be easily developed on platform such as Windows, Linux, solaries and Macintosh. Morever, it support OS(operating System) for mobile application like iOS, windows mobile and android.

Selenium supports a veriety of programming language through the use of driver specific to each language. Language supported by Selenium include **C#, Java, Perl, PHP, Python** and **Ruby.**

Currently, Selenium Web driver is most popular with java and C#. selenium test script can be coded in any of the supported programming language and can be run directly in most modern web browser.

Selenium Suite

Selenium grid

Selenium Webdriver

Selenium RC

Selenium IDE

Selenium can be automated functional tests and can be integrated with automation test tool such as Maven, Jenkins and Docker to achieve continuous testing. It can also be integrated with tools such as **TestNG** and **Junit** for managing test cases and generating report.

**6.6.1 Selenium Automation**

Selenium is a free, open-source automation testing suite for web applications across different browsers and platforms.

It is somewhat similar to HP Quick Test Pro (QTP currently UFT)

However, Selenium focuses on automating web-based application.

Remember, only testing web application is possible with selenium. You cannot use it to test desktop application or mobile application.

I have created an website for online and offline courses named as AHPS School and I have done test Automation on my project by using selenium and the code for testing my website is given below:

**6.6.2 Selenium code for School Automation Testing**

**import** org.openqa.selenium.By;

**import** org.openqa.selenium.WebDriver;

**import** org.openqa.selenium.chrome.ChromeDriver;

**public** **class** School\_web {

**public** **static** **void** main(String[] args) **throws** InterruptedException {

// **TODO** Auto-generated method stub

System.*setProperty*("webdriver.chrome.driver", "C:\\Users\\HP\\Downloads\\chromedriver\_win32\\chromedriver.exe");

WebDriver driver=**new** ChromeDriver();

driver.manage().window().maximize();

driver.get("file:///C:/Users/HP/Desktop/Font\_end\_project/index.html");

Thread.*sleep*(2000);

driver.findElement(By.*linkText*("Course")).click();

Thread.*sleep*(2500);

driver.findElement(By.*linkText*("Contact Us")).click();

driver.findElement(By.*id*("numb")).sendKeys("9765890869");

//driver.findElement(By.name("Submit")).click();

Thread.*sleep*(2000);

driver.findElement(By.*linkText*("Login")).click();

driver.findElement(By.*name*("username")).sendKeys("sami123");

driver.findElement(By.*id*("password")).sendKeys("Samrudhi");

driver.findElement(By.*id*("submit")).click();

//driver.findElement(By.name("search")).sendKeys("Course");

}

}

**6.6.3 To done Automation testing for application Amazon**

**package** amazo\_n;

**import** org.openqa.selenium.By;

**import** org.openqa.selenium.WebDriver;

**import** org.openqa.selenium.chrome.ChromeDriver;

**public** **class** Am\_zon\_test {

**public** **static** **void** main(String[] args) **throws** InterruptedException {

// **TODO** Auto-generated method stub

System.*setProperty*("webdriver.chrome.driver", "C:\\Users\\HP\\Downloads\\chromedriver\_win32\\chromedriver.exe");

WebDriver driver = **new** ChromeDriver();

driver.manage().window().maximize();

driver.get("https://www.amazon.in/");

driver.findElement(By.*id*("twotabsearchtextbox")).sendKeys("pavilion laptop");

driver.findElement(By.*id*("nav-search-submit-button")).click();

// driver.findElement(By.className("a-size-medium a-color-base a-text-normal")).click();

// driver.findElement(By.className("a-icon a-icon-checkbox")).click();

driver.findElement(By.*linkText*("HP")).click();

//driver.findElement(By.linkText("Sign in")).click();

driver.findElement(By.*id*("nav-link-accountList-nav-line-1")).click();

driver.findElement(By.*id*("ap\_email")).sendKeys("7378512685");

driver.findElement(By.*id*("continue")).click();

//driver.findElement(By.id("auth-fpp-link-bottom")).click();

//driver.findElement(By.id("continue")).click();

driver.findElement(By.*id*("ap\_password")).sendKeys("Aniket@1428");

Thread.*sleep*(2000);

driver.findElement(By.*id*("signInSubmit")).click();

driver.findElement(By.*id*("nav-cart-text-container")).click();

// driver.findElement(By.className("nav-search-dropdown searchSelect nav-progressive-attrubute nav-progressive-search-dropdown")).click();

//driver.findElement(By.className("nav-line-1")).click();

driver.findElement(By.*linkText*("Amazon miniTV")).click();

driver.findElement(By.*xpath*("//\*[@id=\"\_\_next\"]/div/div/nav/div[3]/div[1]/div/div[1]/img")).click();

}

}

**6.6.4 To done cucumber in selenium for facebook login**

**Feature :**

Feature: facebook login

Scenario: check login successfully

Given I have given "facebook" website

When I enter username and password

And I click on login button

Then I go to home page

**Login Steps :**

package StepDefinitions;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

import io.cucumber.java.en.And;

import io.cucumber.java.en.Given;

import io.cucumber.java.en.Then;

import io.cucumber.java.en.When;

public class FacebookSteps {

WebDriver driver=new ChromeDriver();

@Given("I have given {string} website")

public void i\_have\_given\_website(String string) {

driver.get("https://www.facebook.com/");

}

@When("I enter username and password")

public void i\_enter\_username\_and\_password() {

driver.findElement(By.id("email")).sendKeys("7378512685");

driver.findElement(By.id("pass")).sendKeys("sunrajsam1428");

}

@And("I click on login button")

public void i\_click\_on\_login\_button() {

driver.findElement(By.name("login")).click();

}

@Then("I go to home page")

public void i\_go\_to\_home\_page() {

System.out.println("i go to home");

}

}

**Test runner :**

**package** StepDefinitions;

**import** org.junit.runner.RunWith;

**import** io.cucumber.junit.Cucumber;

**import** io.cucumber.junit.CucumberOptions;

@RunWith(Cucumber.**class**)

@CucumberOptions(features="src/test/resources/Features",glue= {"StepDefinitions"})

**public** **class** TestrunnerLogin {

}

1. **CONCLUSION**

School Website has al the basic modules and also it makes online system fully computerized which is very fast and efficient. In online system we use maximum manual data. It consume lots of time and paper. There is a always a distance between the system and user.

Now a days everything is becoming computerized in order to reduce the distance between the system and user and bring it to close relationship as using paper, pens and for saving time, visitor need not to visit institute he/she can gather more information through website only for this school website has been developed.