**Events Management system**

**A PROJECT REPORT**

***Submitted by***

**S LOKSHARAN (170701113)**

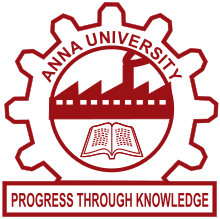
***in partial fulfillment for the award of the degree***

***of***

**BACHELOR OF ENGINEERING**

**IN**

**COMPUTER SCIENCE AND ENGINEERING**

** **

**RAJALAKSHMI ENGINEERING COLLEGE**

**ANNA UNIVERSITY: CHENNAI 600 025**

**November 2019**

**BONAFIDE CERTIFICATE**

Certified that this project report **“Events Management System”** is the bonafide work of  **S Loksharan (170701113)** who carried out the project work under my supervision.

|  |  |
| --- | --- |
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Submitted to Project and Viva Examination held on \_\_\_\_\_\_\_\_\_\_.

**Internal Examiner External Examiner**

**ACKNOWLEDGEMENT**

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# **ABSTRACT**

This methodology has been investigated in the design and implementation of a

representative Event Management System Software. Eclipse-AJDT environment has been used as open source

enhanced IDE support for programming in AOP language – AspectJ. Twelve crosscutting concerns have been

identified and modularized into highly cohesive modular units – aspects, thus reducing the complexity of the

design due to elimination of code scattering and tangling. The impact of using this methodology on various

quality factors of the software has been examined. The study concludes that AOP methodology in Eclipse-AJDT

environment can help in evolving efficient, cost-effective and quality ‘Event Management System Software’.

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1. **INTRODUCTION**

The management of events must be seen as an interdisciplinary task field requiring effective and efficient cooperation between diverse partners [Thomas et al. (2008, a), Thomas (2008, b)]. The strategic preparation, as well as the planning and coordination of the execution of an event require professional handling in order to guarantee the optimal interplay between all participants. Due to the two characteristics – time limitation (clearly defined start and finish points) and singularity (often one-time initiative), events possess project character. As a result of these considerations, ‘Event Management’ comprises the coordination of all of the tasks and activities necessary for the execution of an event regarding its strategy, planning, implementation and control, based on the principles of event marketing and the methods of project management [Thomas et al. (2008, a)]. ‘Event Management System Software’ is essentially business software and therefore, is collection of modules that work together to provide the desired functionality defined by the set of requirements.

**SCOPE**

An event is a “celebration or display of some theme to which the public is invited for a limited time only, annually or less frequently” [Getz (1997)]. There are many types of events including cultural celebrations, arts and entertainment, business and trade, sport competitions, educational and scientific seminars/conferences, and political events [Presbury et al. (2005)]. Events are important contributors to a destination’s economic, social and ultural fabric. They play a part in creating, a favorable image of the destination as additional attractions, animage-makers [Getz (1997)]. However, sometimes an event may create negative social and cultural impacts, through crowding, crime, traffic congestion, community displacement and commodification of culture, resulting

in visitor, sponsor, and community dissatisfaction. These impacts can disrupt the lives of locals for the duration of the festival or event [Small and Edwards (2003)].

The management of events must be seen as an interdisciplinary task field requiring effective and efficient ooperation between diverse partners [Thomas et al. (2008, a), Thomas (2008, b)].

* 1. **TOOLS AND TECHNOLOGY:**
* HTML
* CSS
* JAVA SCRIPT
* PHP
* BOOTSTRAP

**2. SYSTEM ANALYSIS**

**2.1 EXISTING SYSTEM:**

The existing system involve the students writing themselves their roll number, system number in papers. By this way they register their presence for the particular laboratory. At the end the respective faculty will be evaluating that attendance paper and he/she will mark the presence of the student in the laboratory.

**DISADVANTAGES OF EXISTING SYSTEM:**

* The existing system involve lots of paper works.
* Very difficult to maintain attendance records.
* It takes more time.
* It is unsecure and unreliable.
* Sometimes the attendance sheet may also be lost.
* Involve lots of manual works.
* Sometimes student can mark their presence even if he/she is not present by asking their friends to mark the attendance for them
* Like that the existing system have lots of disadvantages.
  1. **PROPOSED SYSTEM:**

Application that simplifies the task of marking attendance in papers. The system is flexible to be used and reduces the need of marking the attendance in papers. The system is developed to provide an easy means of marking the attendance. Our proposed system provides automation attendance marking. This System provide online storage and retrievals. This system promises very less or no paperwork and also provide help to students and faculties. In this system everything is stored electronically so very less amount of paperwork is required and information. can be retrieved very easily without searching here and there into registers. The data will be stored properly in data stores, which will help in the retrieval of information as well as its storage. The main objective of the proposed system is to provide for a quick and efficient retrieval of information.

**3.SYSTEM SPECIFICATION**

**3.1 HARDWARE SPECIFICATION**

**Processor** : Intel Core i5

**Memory Size** : 4GB

**HDD** : 500GB

**3.2 SOFTWARE SPECIFICATION**

**Operating System** : Windows 10

**Front-End** : HTML, CSS, JS

**Back-End** : PHP, SQL

**Database** : MYSQL

**3.3 SOFTWARE USED**

**HTML:**

Hypertext Markup Language revision 5 (HTML5) is markup language for the structure and presentation of World Wide Web contents. HTML5 supports the traditional HTML and other new features in its markup, New APIs, and error handling. You don’t need any special software to start programming in HTML 5, you can even start programming in a notepad, save the document as HTML and view it from any browser. However, you can use a free code editor like Notepad+++, Atom, Eclipse, which offers basic functions like color differentiation between tags and content. Html 5 is a software solution stack that defines the properties and behavior of web-page content by implementing a mark-up-based pattern to it. Saved with an extension “.html”.

**MySQL:**

MySQL is [free and open-source software](https://en.wikipedia.org/wiki/Free_and_open-source_software) under the terms of the [GNU General Public License](https://en.wikipedia.org/wiki/GNU_General_Public_License), and is also available under a variety of [proprietary](https://en.wikipedia.org/wiki/Proprietary_software) licenses. MySQL was owned and sponsored by the [Swedish](https://en.wikipedia.org/wiki/Sweden) company [MySQL AB](https://en.wikipedia.org/wiki/MySQL_AB), which was bought by [Sun Microsystems](https://en.wikipedia.org/wiki/Sun_Microsystems) .Oracle acquired Sun, Wideners [forked](https://en.wikipedia.org/wiki/Fork_(software_development)) the [open-source](https://en.wikipedia.org/wiki/Open-source) MySQL project to create [MariaDB](https://en.wikipedia.org/wiki/MariaDB). MySQL is a component of the [LAMP](https://en.wikipedia.org/wiki/LAMP_(software_bundle)) [web application](https://en.wikipedia.org/wiki/Web_application) [software stack](https://en.wikipedia.org/wiki/Software_stack). MySQL is used by many database-driven web application. MySQL is also used by many popular [websites](https://en.wikipedia.org/wiki/Website). It is a database system used on the web that runs on a server. It is ideal for both small and large application which is very fast, reliable, and easy to use. It uses standard SQL and compiles on a number of platforms. MySQL is free to download and use. MySQL is developed, distributed, and supported by Oracle Corporation. MySQL is named after co-founder Monty Wideness’s daughter.

**JAVASCRIPT:**

JavaScript is a logic-based programming language that can be used to modify website content and make it behave in different ways in response to a user's actions. Common uses for JavaScript include confirmation boxes, calls-to-action, and adding new identities to existing information. Most of the dynamic behavior you'll see on a web page is thanks to JavaScript, which augments a browser's default controls and behaviors. It is a high-level interpreted scripting language that conforms to the ECMA script specification. Alongside html and CSS, java script is one of the core technologies of the World Wide Web (www).It is saved with an extension “.js”.

**PHP:**

PHP is a server side scripting language that is used to develop Static websites or Dynamic websites or Web applications. PHP stands for Hypertext Pre-processor, that earlier stood for Personal Home Pages. The client computers accessing the PHP scripts require a web browser only. PHP code may be executed with a [command line interface](https://en.wikipedia.org/wiki/Command-line_interface) (CLI), embedded into [HTML](https://en.wikipedia.org/wiki/HTML) code, or used in combination with various [web template systems](https://en.wikipedia.org/wiki/Web_template_system), web [content management systems](https://en.wikipedia.org/wiki/Content_management_system), and [web frameworks](https://en.wikipedia.org/wiki/Web_framework). PHP code is usually processed by a PHP [interpreter](https://en.wikipedia.org/wiki/Interpreter_(computing)) implemented as a [module](https://en.wikipedia.org/wiki/Plugin_(computing)) in a web server or as a [Common Gateway Interface](https://en.wikipedia.org/wiki/Common_Gateway_Interface) (CGI) executable. A PHP file contains PHP tags and ends with the extension ".php".

**XAMPP:**

XAMPP stands for Cross-Platform (X), Apache (A), MariaDB (M), PHP (P) and Perl (P). It is a simple, lightweight Apache distribution that makes it extremely easy for developers to create a local web server for testing and deployment purposes. Everything needed to set up a web server – server application (Apache), database (MariaDB), and scripting language (PHP) – is included in an extractable file.

**Usages:**

* XAMPP has the ability to serve web pages on the World Wide Web.
* A special tool is provided to password-protect the most important parts of the package.
* XAMPP also provides support for creating and manipulating databases in MariaDB and SQLite among others.

**CSS**

CSS is the language for describing the presentation of web pages, including colors, layout, and fonts. It allows one to adapt the presentation to different types of devices, such as large screens, small screens, or printers. CSS is independent of HTML and can be used with any XML-based markup language. The separation of HTML from CSS makes it easier to maintain sites, share style sheets across pages, and tailor pages to different environments. This is referred to as the separation of structure from presentation. CSS is a style sheet language used for describing the presentation of a document written in a mark-up language like html. Saved with an extension “.css”.

**BOOTSTRAP**

Bootstrap is a framework to help you design websites faster and easier. It includes HTML and CSS based design templates for typography, forms, buttons, tables, navigation, modals, image carousels, etc. It also gives you support for JavaScript plugins. Bootstrap has a big community and friendly support. Bootstrap's responsive CSS adjusts to phones, tablets, and desktops.It helps build responsive, mobile-first projects on the web with the world’s most popular front-end component library. Bootstrap is an open source toolkit for developing with HTML, CSS, and JS. Quickly prototype your ideas or build your entire app with our Sass variables and mixins, responsive grid system, extensive prebuilt components, and powerful plugins built on jQuery.

**4.SOURCE CODE**

**Home.html**

<html>

<head>

<title>Attendance</title>

<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.0/css/bootstrap.min.css">

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.0/js/bootstrap.min.js"></script>

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js"></script>

<style>

body

{

background-color:lightgrey;

}

</style>

</head>

<body>

<div class="container">

<center><img src="rec3.png" class="rounded" alt="Cinque Terre" width="400" height="236"></center>

<b><center><h1><p class="text-success">Welcome to REC lab Attendance portal</p></h1></center></b><br>

<div class="btn-group btn-group-justified"></div>

<center><a href="stu.html" class="btn btn-info" role="button">Student Login</a></center><br><br>

<center><a href="faculty.html" class="btn btn-info" role="button">Faculty Login</center></a><br>

</div>

</div>

</body>

</html>

**stu.html**

<html>

<head>

<title>Student login</title>

<script>

function validate()

{

var x = document.getElementById('t1').value;

if (x.length<9 || x.length>9)

{

alert("Check your id length!");

return false;

}

}

</script>

<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.0/css/bootstrap.min.css">

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.0/js/bootstrap.min.js"></script>

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js"></script>

<style>

body{

background-color: lightgrey;

}

</style>

</head>

<body>

<form method="POST" action="studentdb.php" onsubmit="return validate();">

<center>

<center><img src="rec1.jpg" class="rounded" alt="Cinque Terre" width="305" height="236"></center>

<center><h1><p class="text-success">Student Login</p></h1></center><br>

<input type="text" name="rollno" id="t1" placeholder="Enter your rollno" required><br><br>

<input type="text" name="pwd" id="t2" placeholder="Enter your password" required><br><br>

<center><input type="submit" class="btn btn-info" value="Go"></center>

</center>

</form>

</body>

</html>

**Studentdb.php**

<?php

$databaseHost='localhost';

$databaseName='attendance';

$databaseUsername='root';

$databasePassword='';

$conn=mysqli\_connect($databaseHost,$databaseUsername,$databasePassword,$databaseName);

if($conn->connect\_error){

die("failed".$conn->connect\_error);

}

$username=$\_POST['rollno'];

$pword=$\_POST['pwd'];

$result=mysqli\_query($conn,"select \* from student where rollno='$username' and pwd='$pword'") or die("Failed to query database".mysqli\_error($conn));

$row=mysqli\_fetch\_array($result);

if($row['rollno'] == $username && $row['pwd'] == $pword)

{

header('Location: stuhome.php');

}

else

{

echo "Your username and password is incorrect";

}

?>

**Stuhome.php**

<!DOCTYPE HTML>

<html>

<head>

<script>

function validate()

{

var x = document.getElementById('t1').value;

var y = document.getElementById('t2').value;

var z = document.getElementById('t3').value;

if (x.length<9 || x.length>9)

{

alert("Check your roll no length!");

return true;

}

if (y.length>7 || y.length<7) {

alert("Check your subject code length");

return true;

}

if (z.length>3 || z.length<3) {

alert("Check your system no length");

return true;

}

}

</script>

<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.0/css/bootstrap.min.css">

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.0/js/bootstrap.min.js"></script>

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js"></script>

<style>

body

{

background-color:lightgrey;

}

</style>

</head>

<body>

<center><h1><p class="text-success">Welcome!</p></h1></center><br>

<center>

<?php

echo "Date: " . date("d/m/Y"); echo"||";

echo "Time: " . date("h:i:sa");

?>

<br><br>

<form method="post" action="stuinfo.php" onsubmit="return validate();">

<input type="text" id="t1" name="nme" placeholder="Enter your roll no" maxlenth="9" required><br><br>

<input type="text" id="t2" name="scode" placeholder="Enter your subject code" maxlenght="7" required>

<br><br>

<input type="text" id="t3" name="ccode"placeholder="Enter your system number" maxlength="5" required>

<br><br>

<input type="radio" name="attdr" value="present" required>present<br><br>

<input type="radio" name="batch" value="batch1" required>batch-1

<input type="radio" name="batch" value="batch2" required>batch-2

<input type="radio" name="batch" value="batch3" required>batch-3

<br><br>

<center><input type="submit" class="btn btn-info" value="Save"></center><br>

</form>

</center>

</body>

</html>

**Stuinfo.php**

<?php

$databaseHost='localhost';

$databaseName='attendance';

$databaseUsername='root';

$databasePassword='';

$conn=mysqli\_connect($databaseHost,$databaseUsername,$databasePassword,$databaseName);

if(!($conn)){

echo "not connected";

}

else{

$rn=$\_POST['nme'];

$sc=$\_POST['scode'];

$cc=$\_POST['ccode'];

$pa=$\_POST['attdr'];

$batch=$\_POST['batch'];

$sql = "INSERT INTO info (rollno, subcode, syscode, pres, batch) VALUES ($rn, '$sc', $cc, '$pa', '$batch')";

if ($conn->query($sql) === TRUE) {

header('Location: end.html');

} else {

echo "Error: " . $sql . "<br>" . $conn->error;

}

}

**end.html**

**<**html>

<head>

<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.0/css/bootstrap.min.css">

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.0/js/bootstrap.min.js"></script>

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js"></script>

<style>

body

{

background-color:lightgrey;

}

</style>

</head>

<body>

<center><p class="text-success"><h1>Thank you for your response!</h1></p></center>

<center><p class="text-success"><h3> your response is recorded</h3></p></center>

<center><a href="Home.html" class="btn btn-info" role="button">Logout</center></a><br>

</body>

</html>

**faculty.html**

<html>

<head>

<title>Faculty login</title>

<script>

function validate()

{

var x = document.getElementById('t1').value;

if (x.length<3 || x.length>3)

{

alert("Check your id length!");

return false;

}

}

</script>

<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.0/css/bootstrap.min.css">

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.0/js/bootstrap.min.js"></script>

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js"></script>

<style>

body

{

background-color:lightgrey;

}

</style>

</head>

<body>

<form method="POST" action="facultydb.php" onsubmit="return validate();">

<center>

<center><img src="rec1.jpg" class="rounded" alt="Cinque Terre" width="305" height="236"></center>

<center><h1><p class="text-success">Faculty Login</p></h1></center><br>

<input type="text" name="loginid" id="t1" placeholder="Enter your login id" required><br><br>

<input type="text" name="pw" id="t2" placeholder="Enter your password" required><br><br>

<center><input type="submit" class="btn btn-info" value="Go"></center>

</center>

</form>

</body>

</html>

**Facultydb.php**

<?php

$databaseHost='localhost';

$databaseName='attendance';

$databaseUsername='root';

$databasePassword='';

$conn=mysqli\_connect($databaseHost,$databaseUsername,$databasePassword,$databaseName);

if($conn->connect\_error){

die("failed".$conn->connect\_error);

}

$username=$\_POST['loginid'];

$pword=$\_POST['pw'];

$result=mysqli\_query($conn,"select \* from faculty where id='$username' and password='$pword'") or die("Failed to query database".mysqli\_error($conn));

$row=mysqli\_fetch\_array($result);

if($row['id'] == $username && $row['password'] == $pword)

{

header('Location: facuhome.php');

}

else

{

echo "Your username and password is incorrect";

}

?>

**info1.php**

<html>

<head>

<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.0/css/bootstrap.min.css">

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.0/js/bootstrap.min.js"></script>

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js"></script>

<style>

body

{

background-color:lightgrey;

}

</style>

</head>

<body>

<?php

$databaseHost='localhost';

$databaseName='attendance';

$databaseUsername='root';

$databasePassword='';

$conn=mysqli\_connect($databaseHost,$databaseUsername,$databasePassword,$databaseName);

if($conn->connect\_error){

die("failed".$conn->connect\_error);

}

$scode=$\_POST['rn'];

$sql = "select \* from info where subcode='$scode'";

$result = $conn->query($sql);

if ($result->num\_rows > 0) {

// output data of each row

while($row = $result->fetch\_assoc()) {

echo "<br> rollno: ". $row["rollno"]. "<br>System no: ". $row["syscode"]."<br> Batch no:" . $row["batch"] . "<br>";

}

} else {

echo "0 results";

}

$conn->close();

?><br>

<a href="Home.html" class="btn btn-info" role="button">Logout</a><br>

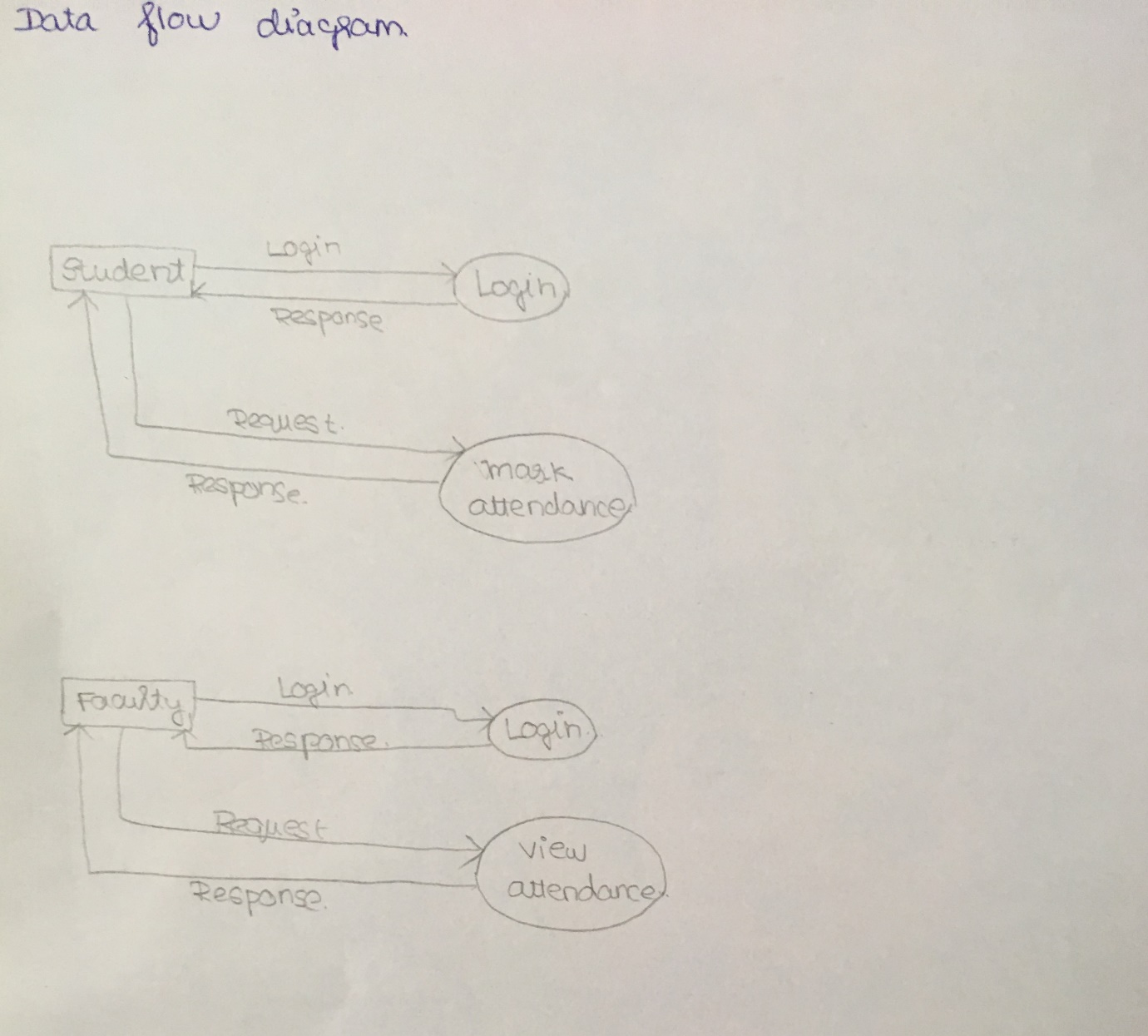
</body>

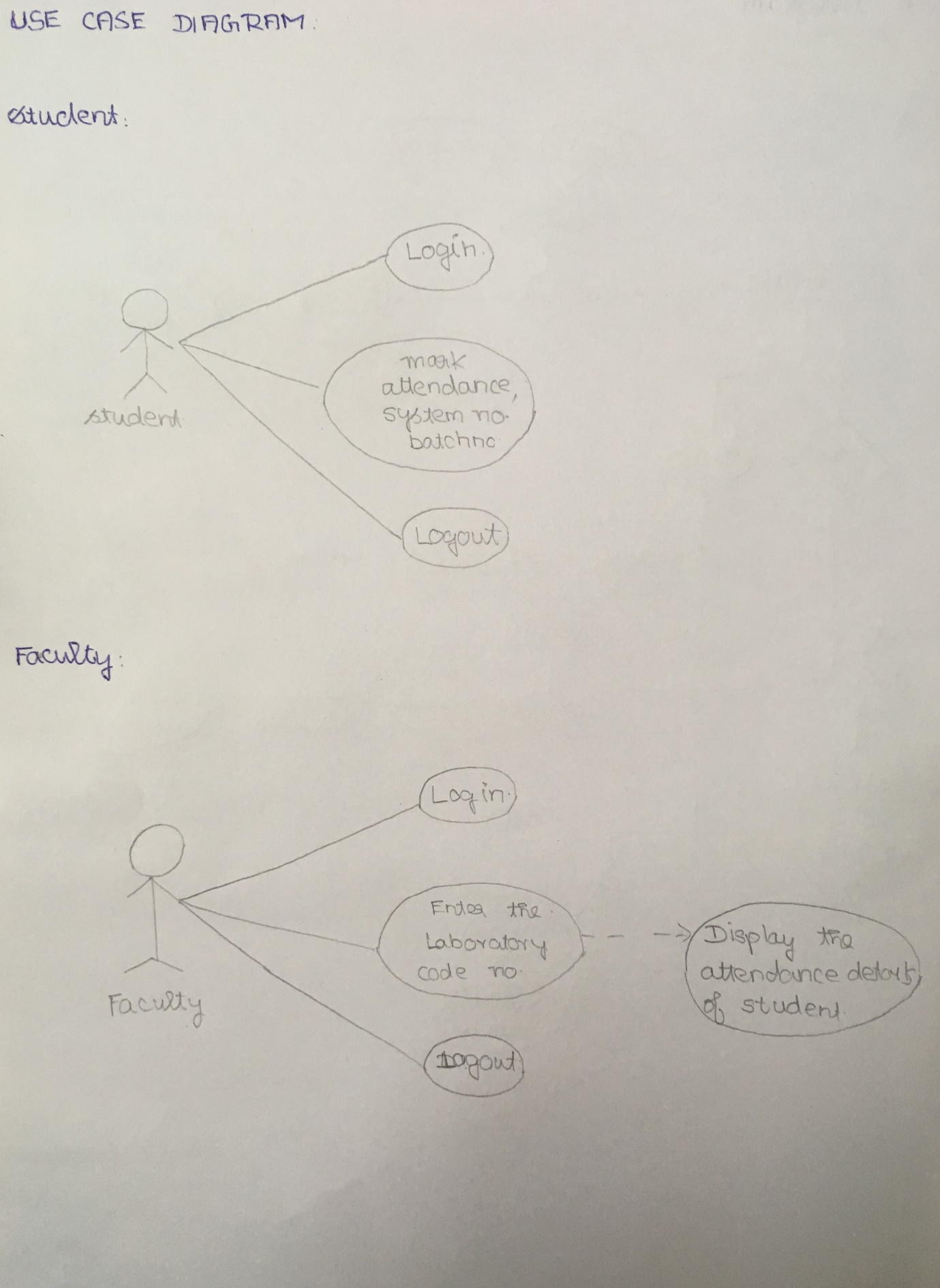
</html>

**5.DESIGN**

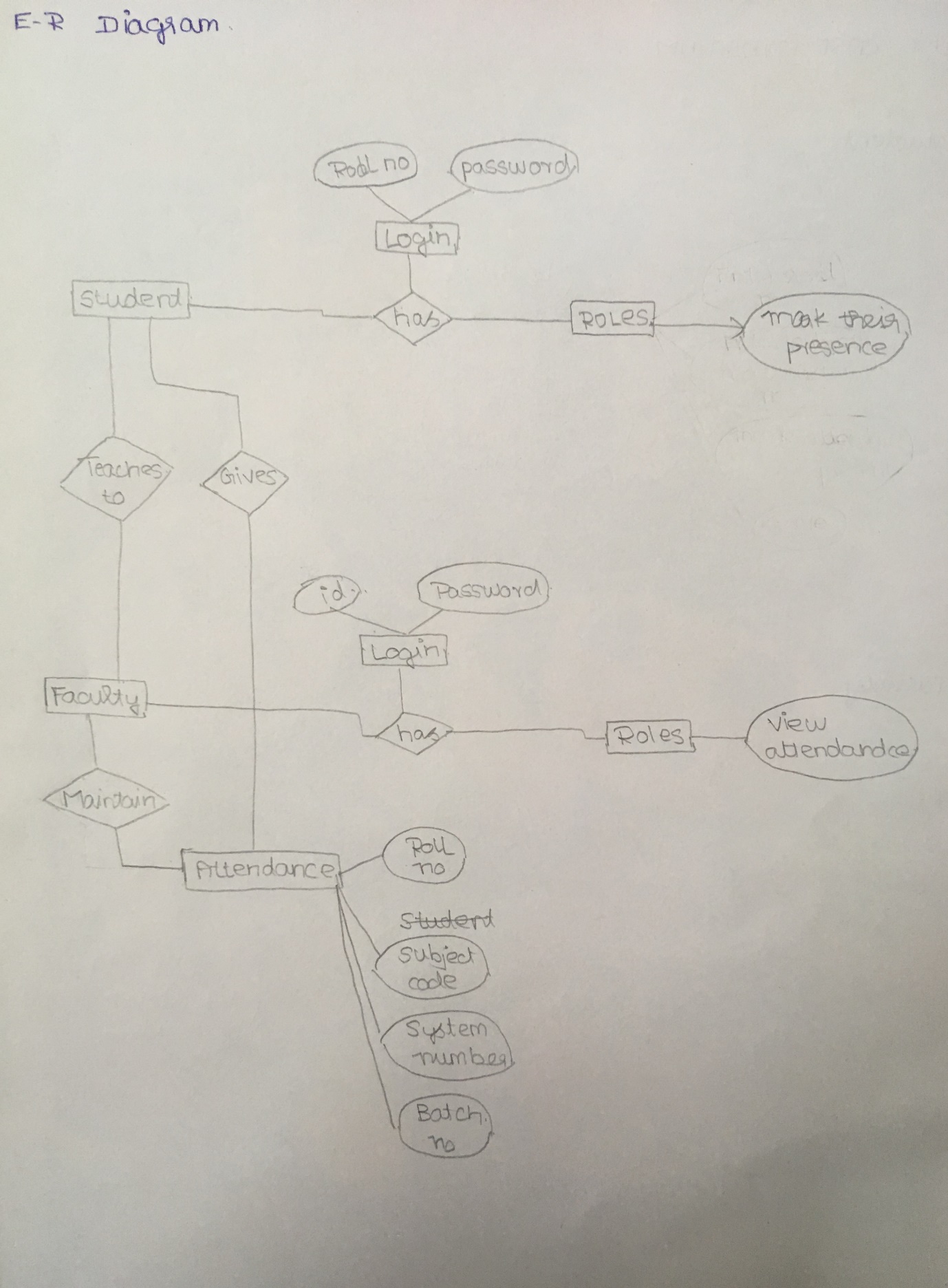
**5.1 DESIGN DIAGRAMS**

**DFD diagram**

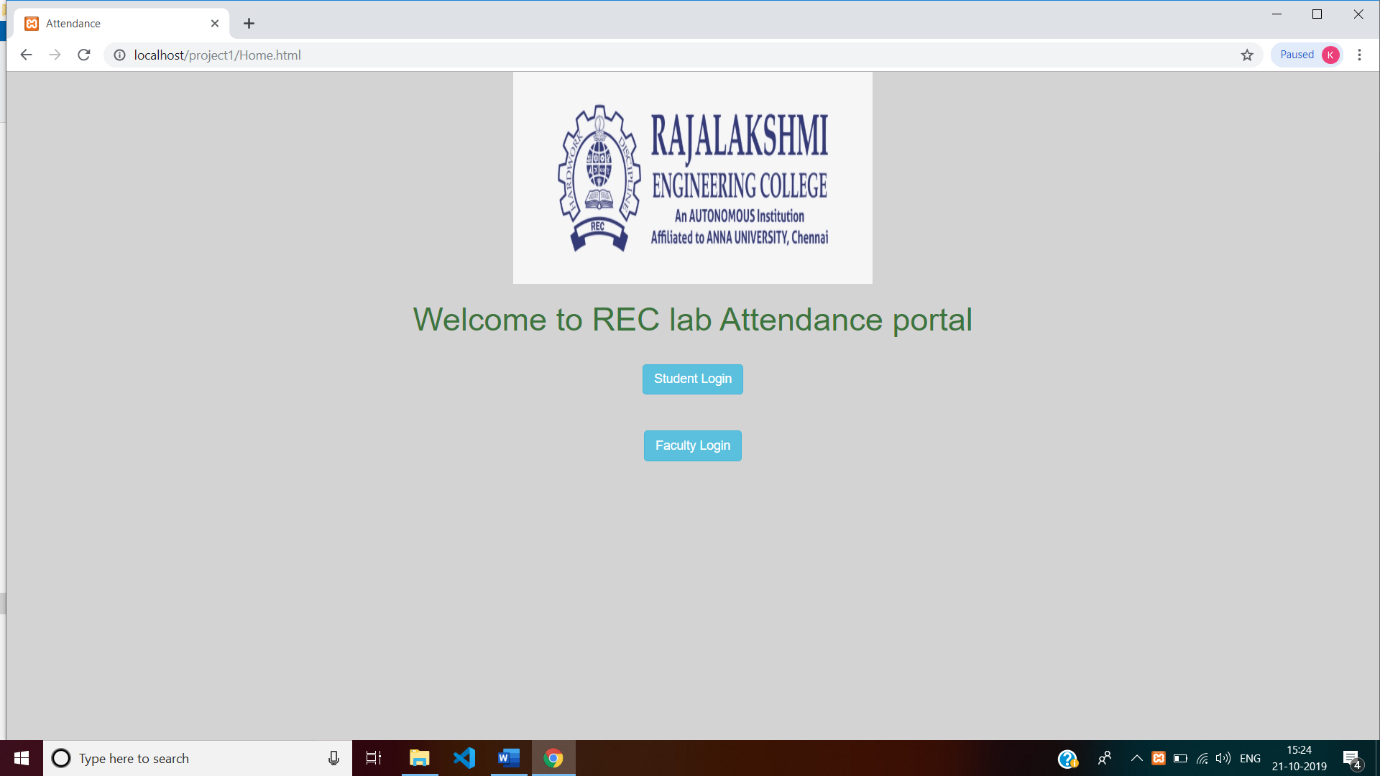
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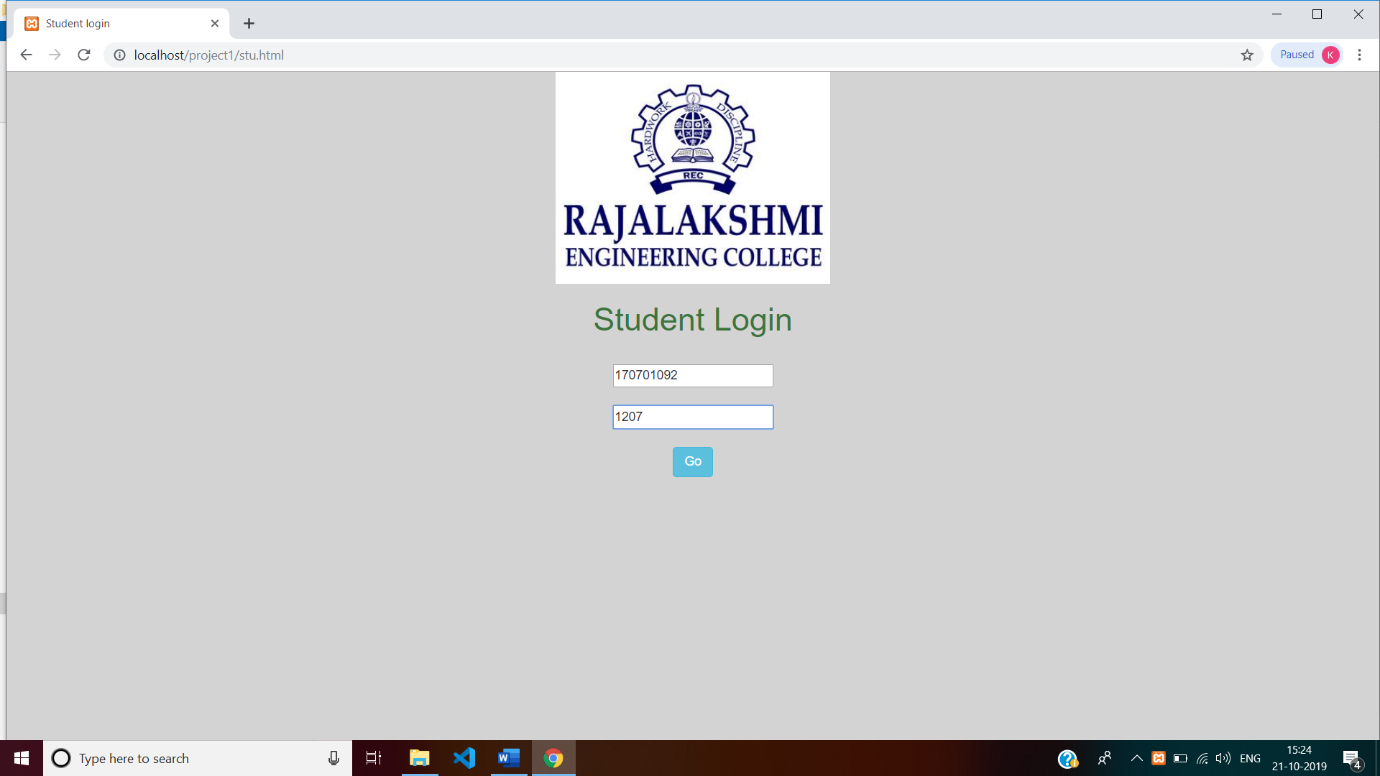
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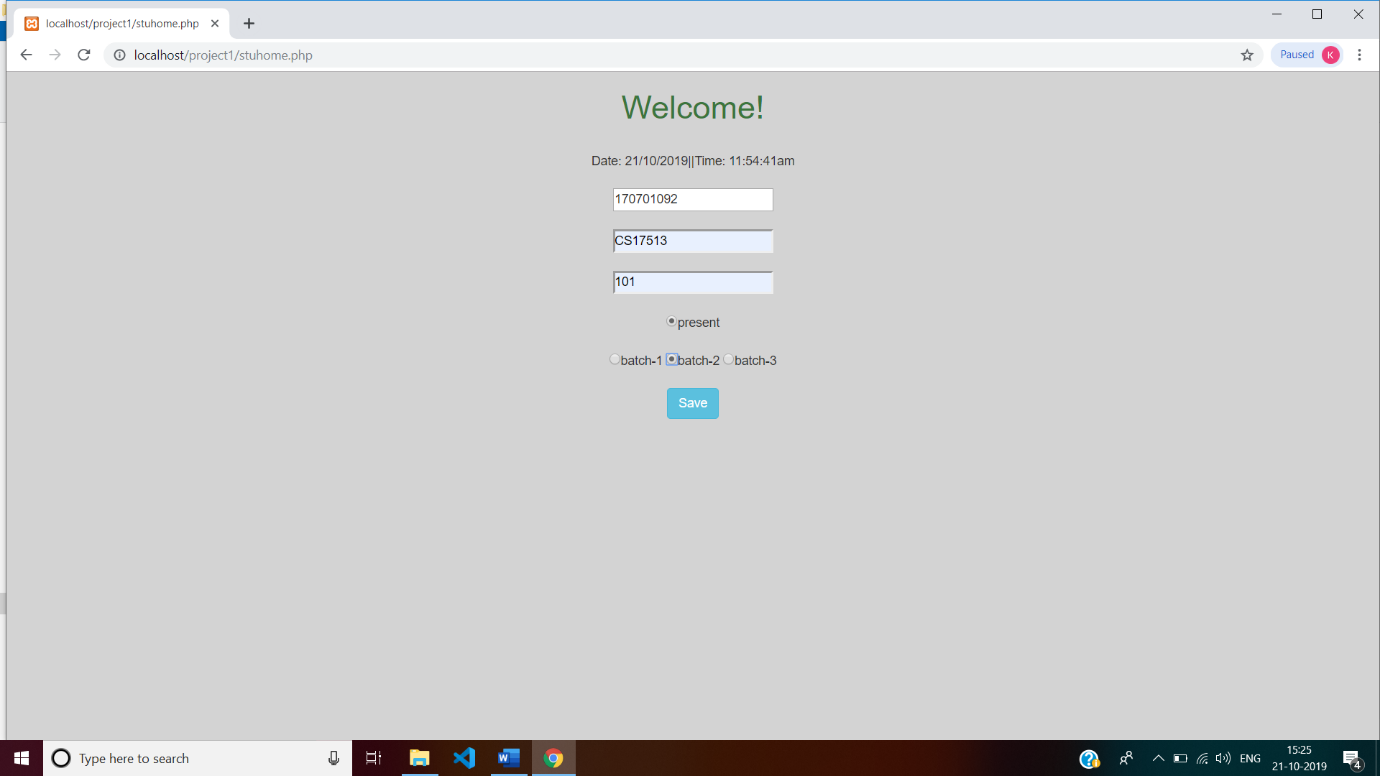
**E-R diagram**

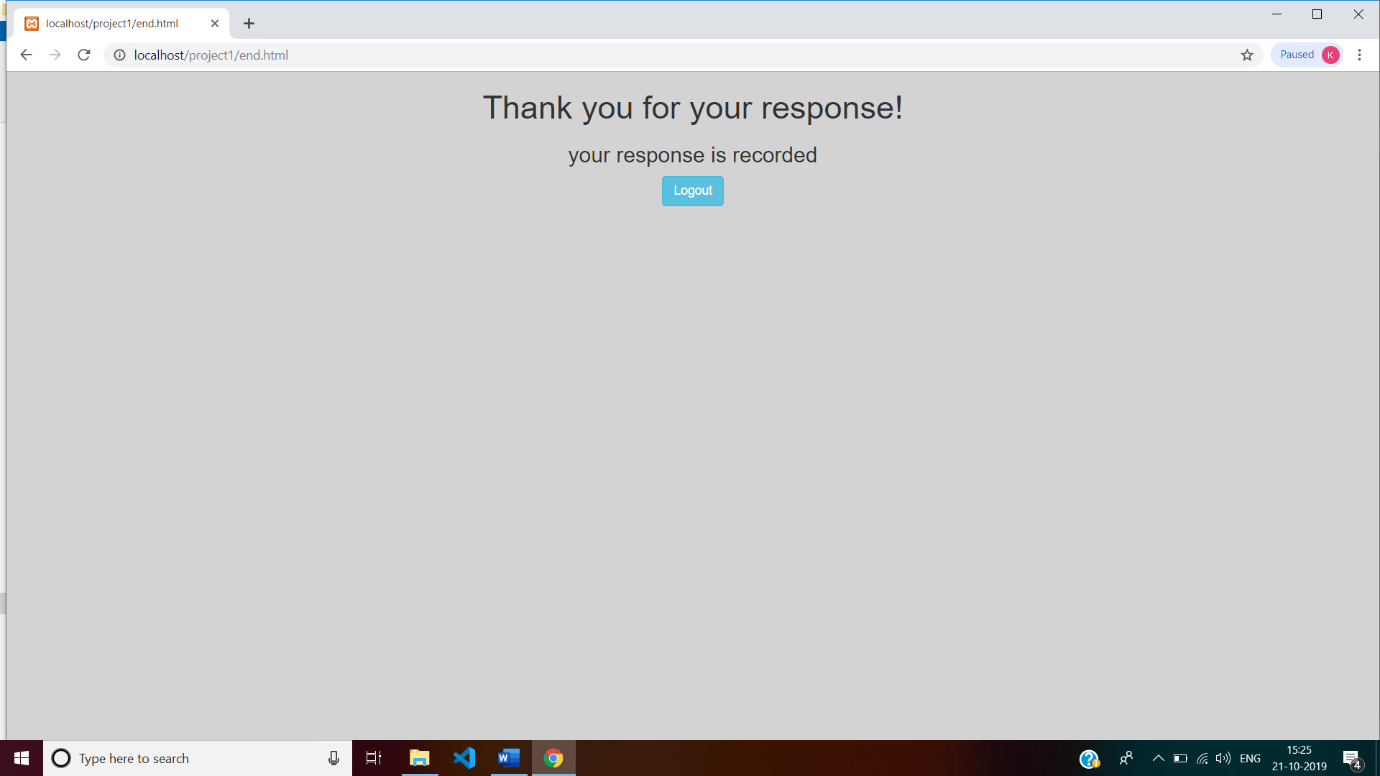
****

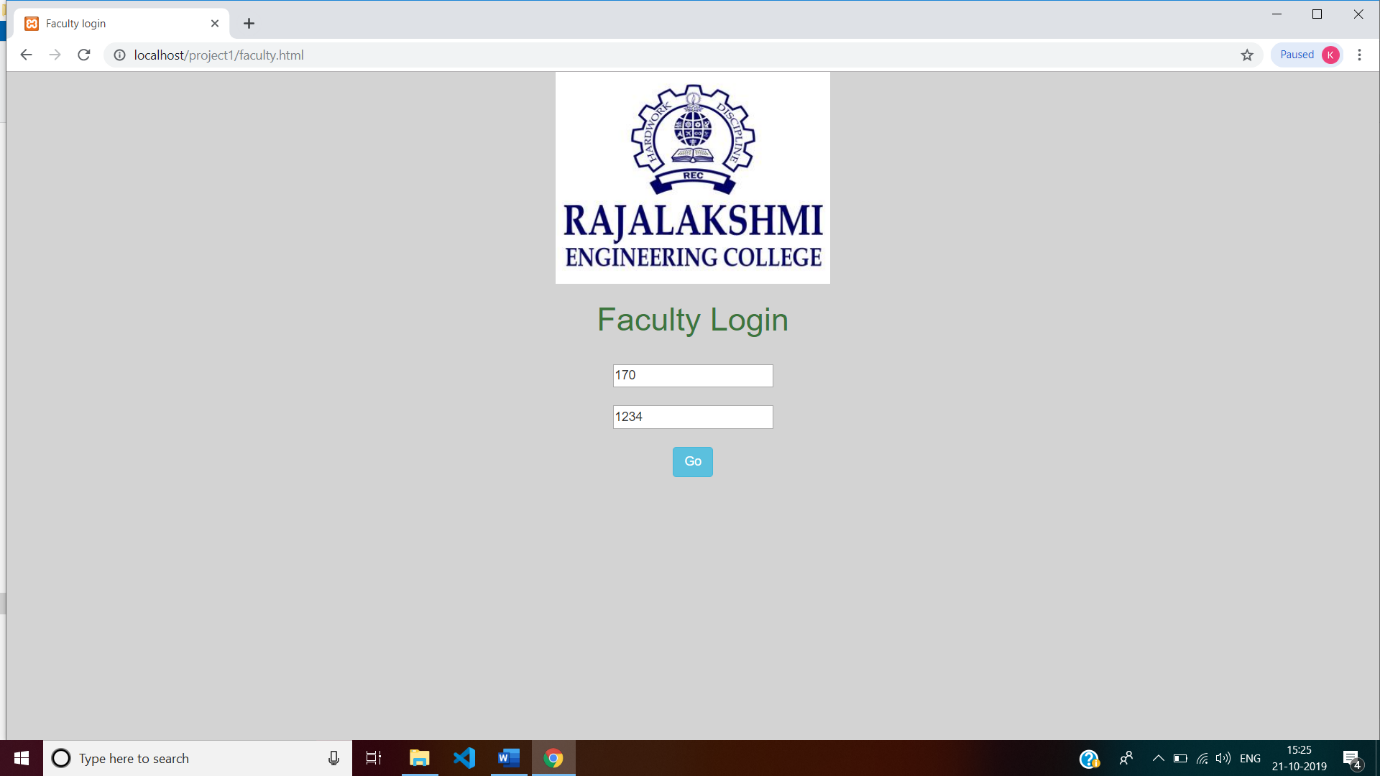
**5.2 SNAPSHOTS**

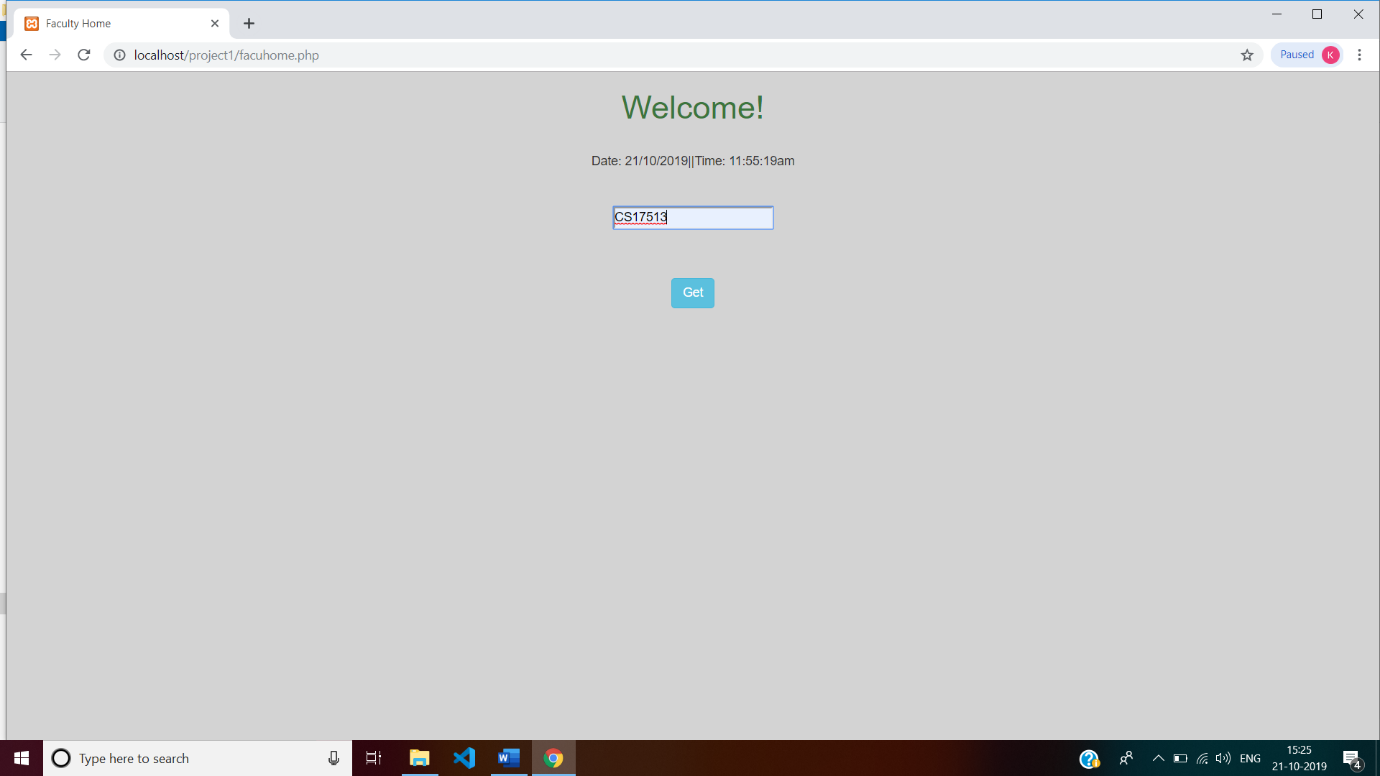


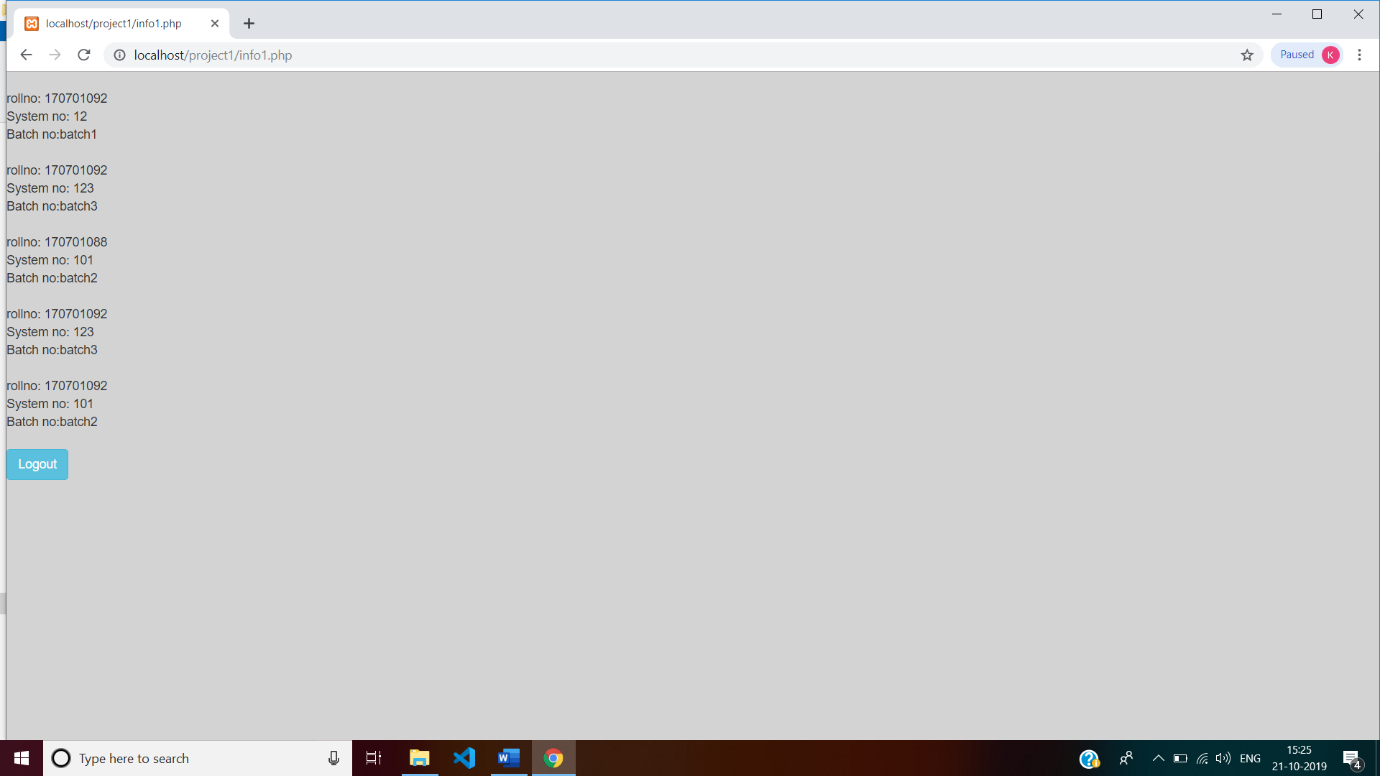


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**6. CONCLUSION**

This project is a humble venture to satisfy the needs of the users. It is a highly integrated attendance system. From student’s perspective, they have options to view their attendance percentage for a list of months on which the attendance has been taken and also helps them view a sequential list of dates on which they are marked absent. From staff perspective, it is easy for them to mark absent to student on that particular day. He just has to enter the student roll number and add as absent. It gets reflected in the database as soon as he marks absent. Any changes can directly be made in the database.

**7. REFERENCES**

<https://www.w3schools.com/html/>

<https://www.w3schools.com/php/default.asp>