Major Project Report

On

"Online Exam management system"

Submitted in Partial Fulfillment for the Award of Diplomaof Engineering

In

Computer Science Engineering (2021-2022)

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Mr. Mahendra Gupta

RAJIV GHANDHI PROUDYOGIKI VISHWAVIDYALAYA

BHOPAL

GOVT. POLYTECHNIC COLLEGE ANUPPUR

CERTIFICATE

This Certify That the Project Report Entitled as **"ONLINE EXAM MANAGEMENT SYSTEM"** which has been completed of submitted by- subhash sahu in partial fulfillment of the requirement for the award of the diploma engineering in computer science for the session 2022 is a benefited work by them and has been completed under my guidance and supervision. It has not been submitted else ware.

Mr. Raju Singh Paraste　　　　　**Mr.Utkarsh Agrawal**　　　　　**Mr. Mahendra Gupta**

(Principal)　　　　　　　　　　**(H.O.D)**　　　　　　　　**(Submitted To)**

RAJIV GHANDHI PROUDYOGIKI VISHWAVIDYALAY
BHOPAL

GOVT. POLYTECHNIC COLLEGE ANUPPUR

CERTIFICATE

This certify that the Project Report Entitled as **"online exam management system"** which has been completed of submitted by – **subhash sahu** in partial fulfillment of the requirement for the award of the diploma engineering in computer science for the sessions 2022 .

(EXTERNAL EAXMNER) (INTERNAL EXAMNER)

Computer Science Department of Government Polytechnic College Anuppur (M.P)

Online Exam Management System

DECLARATION

We hereby declare that the work which is being presented in the project report entitled **"Online Exam Management System"** in partial.

Fulfillment of the requirement of the **"Diploma in Computer Science"** branch is authentic record of our work carried out the guidance of **"Mr. Mahendra Gupta (lecturer)".**The work has been carried out at **Govt. Polytechnic College Anuppur (M.P).**

- ➢ **Subhash sahu**

AKNOWLEDGEMENT

A project this like one involves many people and in would complete without the mention of all those people whose guidance and encouragement helped in the successful completion of this project.

Our heartily thanks our faculty member of **Department of Computer Science Government Polytechnic College Anuppur** for their efforts towards our project.

We would like to thanks our project in charge **Mr. Mahendra Gupta** who has been great source of inspiration for usand without whose humble guidance of project was never to shape.

We are also indebted to our guide **Mr. Mahendera Gupta** for the Encouragement Guidance and Support.

We are also thankful to all many people whose timely help out paucity of space is restricting us from
Their name.

Andfinally, we also thanks to all my college who were constant support during the whole project.

PROJECT MEMBER:-

TABLE OF CONTENTS

TITLE: ONLINE MANAGEMENT SYSTEM

1. INTRODUCTION

Presently, if the teachers conduct any examination, they have to check the answer sheets manually which is time consuming and the generation of results manually might result in errors.

Online examination helps students of schools/ College/ Institutes is to offer a quick and easy way to appear for the exam. It also provides the results immediately after the exam. The students have to enter valid use rid and password to attend the exam. This examination project provides time limit to finish the exam. The user can see their results after completing the exam.

2. OBJECTIVE

The purpose of this project is to develop Online Examination System. This web based Online Examination System which will help in conducting the Online Examination. The Online Examination System project provides a web application which will considerably reduce the time required to give the exam and know the results. This project will provide an efficient platform both for the students and the teachers, by enabling examinations to be taken online.

➢ An Online Examination System is a special type of web based application where examinations of the students can be taken   in a correct and efficient manner. Online Examination System consists of some pages of questions and

the student has to write answers or they have to select the correct answers of those questions by selecting appropriate choice.

➢ The main purpose of designing the Online Examination System is to reduce the time of taking examinations of the students manually. There are some advantages factors of this system which are given below:
1. The Online Examination System reduces time of taking manual examination of students.
2. This system will work efficiently and correctly as far as computer technology is concerned.
3. This system will provide better security and transparency in the examination.

3. PURPOSE

The purpose of online test simulate is to take online test in an efficient manner and no time wasting for checking the paper.
The main objective of online test simulator is to efficient the candidate thoroughly though a fully automated system that not only saves lot of time but also gives fast results.

For student they give paper according to their convenience and time and there is no need of using extra thing like paper, pen etc.

4. PROJECT SCOPE

- **Online Examination system is designed for Educational Institutes [like school's college's universities' training institutes]**
- It can be used anywhere any time as it is a web based application.
- It reduces the time of taking examinations of the students manually.
- This system will provide better security and transparency in the examination
- The system handles all the operations and it generates certificate as soon as the test is finish, that include name, mark, and time spent to solve the exam.
- Allow students to see or display his answers after the exam is finish.
- The type of questions is only multiple choice or true and false.

SCOPE

➢ Scope of this project is very broad in terms of other manually taking exams. Few of them are:-
➢ This can be used in educational institutions as well as in corporate World.
➢ Can be used anywhere any time as it is a web based application (user Location doesn't matter).
➢ No restriction that examiner has to be present when the candidate takes the test

5. FEATURES

➤ Secure
➤ Easy to use
➤ Reliable and accurate
➤ No need of examination

PROJECT CATEGORY

• Web Based Application

SOFTWARE REQUIREMENTS

☐ XASMPP Software
☐ **Server:** Apache server
☐ **Database:** MySQL server
☐ **IDE:** Adobe Dreamweaver CS 6.0

LANGUAGES USED

☐ Front end: PHP (HTML, CSS, JAVASCRIPT.)
☐ Back end: MySQL

PHP: PHP (PHP: Hypertext Preprocessor) is a widely-used open source general-purpose scripting language that is especially suited for web development and can be embedded into HTML.

MySQL: MySQL is a database management system. It is the most popular database system used with PHP.

LOGIN MODULE

In this module user can login to the website by entering login ID and password. After Login the system links to Profile page.

➤ Student login module
➤ Administrator login module
➤ Teacher's login module
➤ Forgot password module

EXAMINATION MODULE

In this module students can take the exam and submit the answers. The system can automatically create exams by randomly choosing questions from question database. It provides limited time to answer the questions. When the student starts the exam the timer will start automatically and show the student how much time is left. After the exam this module will be disabled automatically and Results can be viewed immediately upon Submission.
- Examination Timetable module
- Examination module
- Result module

DASHBOARD MODULE

Only Administrator and Examiner can access this module. Here administrator or examiner can view student details, Marks report, examination report, etc. It has a facility to add student's details, View Student List as well as Edit student details. Also administrator can manage users details, course and subject details.
- Subject module
- Course

QUESTION BANK MODULE

Questions bank will have a program to add, modify and delete questions from subject. Here Examiner can upload questions and setting mark schemes and test duration. The questions have different attributes like subject, topic, marks, question type (multiple choice or true / false), question text, options and the answer. The question as well as options can be text or image.

RESULTS MODULE
In this module student and will get instant Results can also be printed as the test finishes
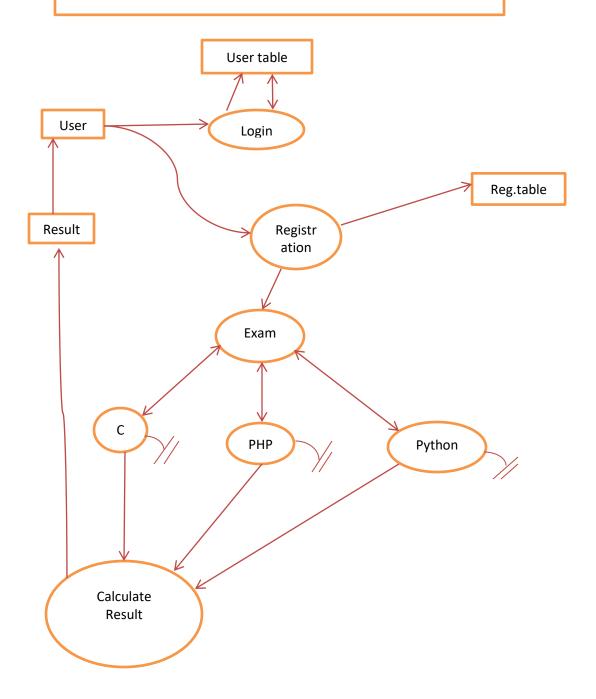

LIMITATION OF THE PROJECT

➢ In the case of system crash exams are not taken.
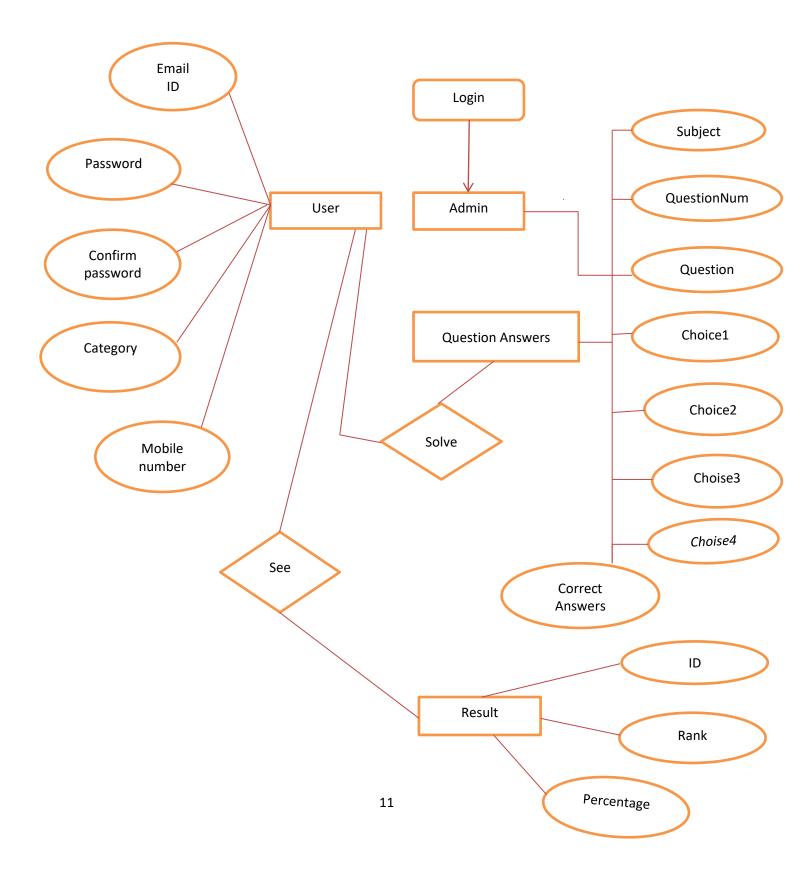➢ In creates problem if internet connection is slow.

OVERVIEW

➢ Login
➢ Text
➢ Result

Data Flow Diagram of Online Exam Management System

User table

User

Login

Reg.table

Result

Registration

Exam

C

PHP
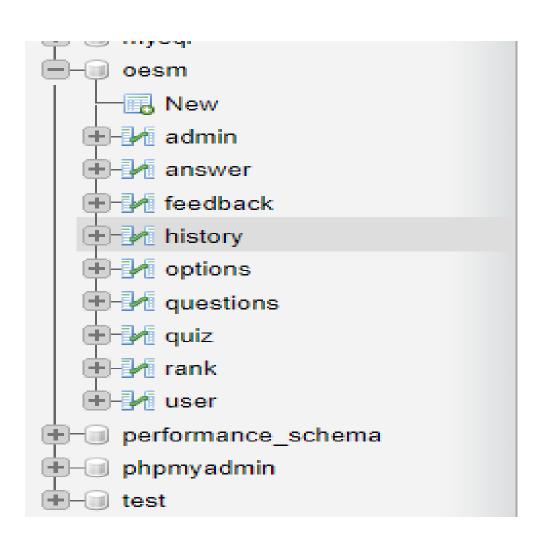
Python

Calculate Result

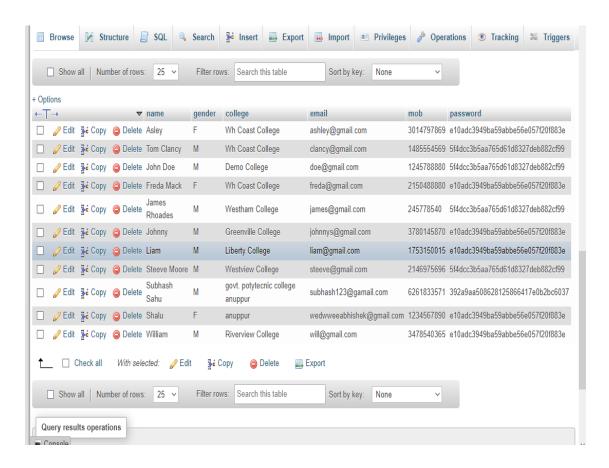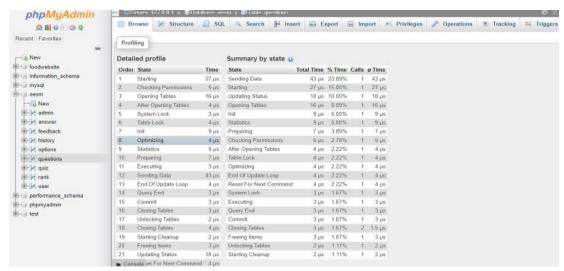# 9. Relational Entity Diagram

Database screenshots

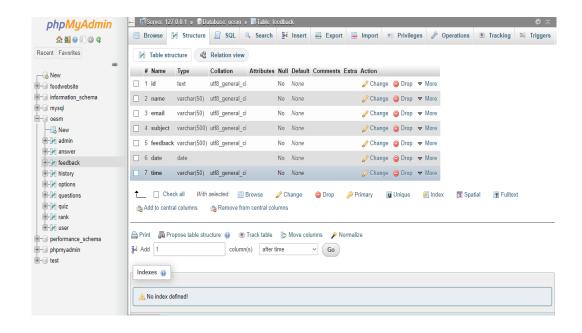➤ DATABASE NAME ONLINE EXAM MANAGEMENT SYSTEM & IT'S ALL TABLE
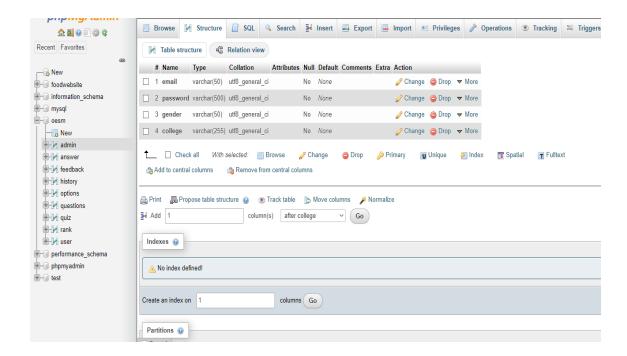
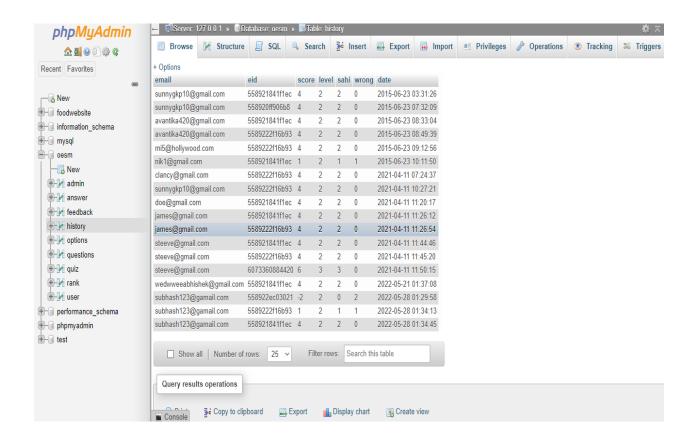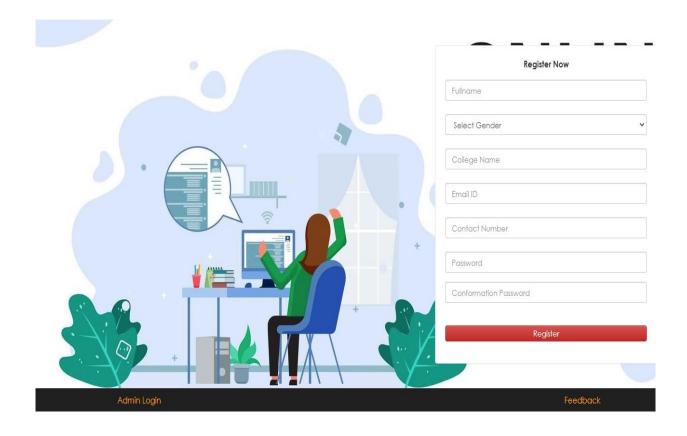# ➢ User table with some tuples

Admin table

History table

The main purpose to a database is to store information. Have a question about a customerorder? Check the database. Want to know a product price? Check the database.

By using a database, a web application can ignore the actual data and focus more on the presentation and behavior of that data. The end result is that the amount of code and logic in the web application is much smaller and easier to understand.

For example, if all products have images, then the web application just needs to ask for that data — i.e., an image — and show it as a product preview. It doesn't care if there is one image, three images, or what the images actually are showing. The application just expects to get back an image URL, which it then display.

Home page

A home page is generally the main web page a visitor navigating to a website from a search engine will see, and it may also serve as a landing page to attract visitors. The home page is used to facilitate navigation to other pages on the site by providing links to prioritized and recent articles and pages, and possibly a search box. For home page we have use HTML and PHP Code.
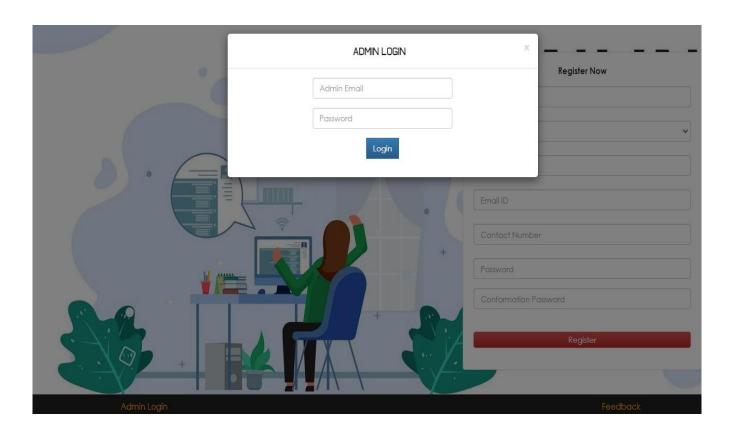
```php
<?php
include_once 'dbConnection.php';
$ref=@$_GET['q'];
$email = $_POST['uname'];
$password = $_POST['password'];

$email = stripslashes($email);
$email = addslashes($email);
$password = stripslashes($password);
$password = addslashes($password);
$result = mysqli_query($con,"SELECT email FROM admin WHERE email = '$email' and password = '$password'") or die('Error');
$count=mysqli_num_rows($result);
if($count==1){
session_start();
if(isset($_SESSION['email'])){
session_unset();}
$_SESSION["name"] = 'Admin';
$_SESSION["key"] ='sunny7785068889';
$_SESSION["email"] = $email;
header("location:dash.php?q=0");
}
else header("location:$ref?w=Warning : Access denied");
?>
```

Cannot validate since a PHP installation could not b
Use the setting 'php.validate.executablePath' to con
PHP executable.

Source: PHP Language Features (Extension)

Error spawning PHP: Command failed with exit code

Registration page

Register Now

Fullname

Select Gender

College Name

Email ID

Contact Number

Password

Conformation Password

Register

A registration form is a list of fields that a user will input data into and submit to a company or individual. There are many reasons why you would want a person to fill out a registration form. Companies use registration forms to sign up customers for subscriptions, services, or other programs or plans.

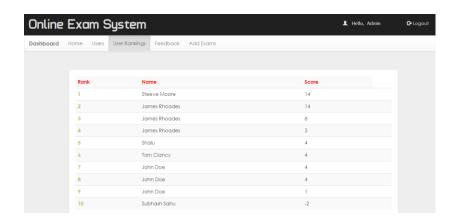Here also we have use HTML, CSS coding we use buttons also.

Admin Login page

       Admin is the role with the highest level of access to your website. Admins can add contenton all pages and access all items in the Admin Toolbar. This means that Admins can controlsite-wide settings like the design of your website and the homepage layout.

On a typical WordPress site, all you need to do is add /login/ or /admin/ to the end of your site's URL. Both of these URLs will take you to your login page where you can enter your username and password. Once logged in, you will be taken directly to the admin area, or dashboard, of your site.

DASH BORD

A dashboard is a type of graphical user interface which often provides at-a-glance views of key performance indicators (KPIs) relevant to a particular objective or exam text process. The "dashboard" is often displayed on a web page which is linked to a database that allows the report to be constantly updated.

Front end source code

```
<!DOCTYPE    html    PUBLIC    "-//W3C//DTD    XHTML    1.0    Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<title>FEEDBACK </title>
<link  rel="stylesheet" href="css/bootstrap.min.css"/>
 <link  rel="stylesheet" href="css/bootstrap-theme.min.css"/>
 <link rel="stylesheet" href="css/main.css">
 <link  rel="stylesheet" href="css/font.css">
 <script src="js/jquery.js" type="text/javascript"></script>

  <script src="js/bootstrap.min.js"  type="text/javascript"></script>
        <link   href='http://fonts.googleapis.com/css?family=Roboto:400,700,300'   rel='stylesheet'
type='text/css'>
        <!--alert message-->
<?php if(@$_GET['w'])
{echo'<script>alert("'.@$_GET['w'].'");</script>';}
?>
<!--alert message end-->

</head>

<body>

<!--header start-->
<div class="row header">
<div class="col-lg-6">
<span class="logo">Online Exam System</span></div>
<div class="col-md-2">
</div>
<div class="col-md-4">
<?php
 include_once 'dbConnection.php';
session_start();
  if((!isset($_SESSION['email']))){
echo '<a href="#" class="pull-right sub1 btn title3" style="border-radius:0%" data-toggle="modal"
data-target="#myModal"><span          class="glyphicon          glyphicon-log-in"          aria-
hidden="true"></span> Login</a> ';}
else
{
echo    '<a    href="logout.php?q=feedback.php"    class="pull-right    sub1    btn    title3"><span
```

```html
class="glyphicon glyphicon-log-out" aria-hidden="true"></span> Logout</a> ';}
?>

<a href="index.php" style="border-radius:0%" class="pull-right btn sub1 title3"><span
class="glyphicon glyphicon-home" aria-hidden="true"></span> Home</a> 
</div></div>

<!--sign in modal start-->
<div class="modal fade" id="myModal">
  <div class="modal-dialog">
    <div class="modal-content title1">
      <div class="modal-header">
        <button type="button" class="close" data-dismiss="modal" aria-label="Close"><span aria-
hidden="true">&times;</span></button>
        <h4 class="modal-title title1"><span style="color:orange">Log In</span></h4>
      </div>
      <div class="modal-body">
        <form class="form-horizontal" action="login.php?q=index.php" method="POST">
<fieldset>


<!-- Text input-->
<div class="form-group">
  <label class="col-md-3 control-label" for="email"></label>
  <div class="col-md-6">
  <input id="email" name="email" placeholder="Enter your email-id" class="form-control input-md"
type="email">

  </div>
</div>

<!-- Password input-->
<div class="form-group">
  <label class="col-md-3 control-label" for="password"></label>
  <div class="col-md-6">
    <input id="password" name="password" placeholder="Enter your Password" class="form-control
input-md" type="password">

  </div>
</div>

    </div>
    <div class="modal-footer">
      <button type="button" class="btn btn-default" data-dismiss="modal">Close</button>
      <button type="submit" class="btn btn-primary">Log in</button>
                 </fieldset>
</form>
    </div>
  </div><!-- /.modal-content -->
```
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```
    </div><!-- /.modal-dialog -->
</div><!-- /.modal -->
<!--sign in modal closed-->

<!--header end-->

<div class="bg1">
<div class="row">
<div class="col-md-3"></div>
<div class="col-md-6 panel" style="background-image:url(image/icn2.jpg); min-height:430px;">
<h2 align="center" style="font-family:'typo'; color:#000066">FEEDBACK/REPORT A PROBLEM</h2>
<div style="font-size:14px">
<?php if(@$_GET['q'])echo '<span style="font-size:18px;"><span class="glyphicon glyphicon-ok"
aria-hidden="true"></span> '.@$_GET['q'].'</span>';
else
{echo'

<div class="row">
<div class="col-md-1"></div>
<div class="col-md-10">

</div><div class="col-md-1"></div></div>

<form role="form"  method="post" action="feed.php?q=feedback.php">
<div class="row">
<div class="col-md-3"><b>Name:</b><br /><br /><br /><b>Subject:</b></div>
<div class="col-md-9">
<!-- Text input-->
<div class="form-group">
  <input id="name" name="name" placeholder="Enter your name" class="form-control input-md"
type="text"><br />
   <input id="name" name="subject" placeholder="Enter subject" class="form-control input-md"
type="text">

</div>
</div>
</div><!--End of row-->

<div class="row">
<div class="col-md-3"><b>E-Mail address:</b></div>
<div class="col-md-9">
<!-- Text input-->
<div class="form-group">
  <input id="email" name="email" placeholder="Enter your email-id" class="form-control input-md"
type="email">
 </div>
</div>
</div><!--End of row-->
```

```html
<div class="form-group">
<textarea rows="5" cols="8" name="feedback" class="form-control" placeholder="Write feedback
here..."></textarea>
</div>
<div class="form-group" align="center">
<input type="submit" name="submit" value="Submit" class="btn btn-primary" />
</div>
</form>';}?>
</div><!--col-md-6 end-->
<div class="col-md-3"></div></div>
</div></div>
</div><!--container end-->


<!--Footer start-->
<div class="row footer">

<div class="col-md-4 box">
<a href="#" data-toggle="modal" data-target="#login">Admin Login</a></div>
<div class="col-md-4 box">
<a href="#" data-toggle="modal" data-target="#developers">Developers</a>

</div>
<div class="col-md-4 box">
<a href="feedback.php" target="_blank">Feedback</a></div></div>
<!-- Modal For Developers-->
<div class="modal fade title1" id="developers">
 <div class="modal-dialog">
  <div class="modal-content">
   <div class="modal-header">
    <button      type="button"      class="close"      data-dismiss="modal"><span     aria-
hidden="true">&times;</span><span class="sr-only">Close</span></button>
    <h4          class="modal-title"          style="font-family:'typo'          "><span
style="color:orange">Developers</span></h4>
   </div>

   <div class="modal-body">
    <p>
              <div class="row">
              <div class="col-md-4">
               <!-- <img  src="image/CAM00121.jpg"  width=100  height=100  alt="Sunny  Prakash
Tiwari" class="img-rounded"> -->
               </div>
               <div class="col-md-5">
   <a style="color:#202020; font-family:'typo' ; font-size:18px; text-decoration:none" title="Find on
Facebook">Subhash Sahu</a>
              <h4        style="color:#202020;        font-family:'typo'        ;font-size:16px"
class="title1">+916261833571</h4>
              <h4 style="font-family:'typo' ">shubhsahu10720@gmail.com</h4>
```

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```html
            <h4    style="font-family:'typo'    ">Goverment    Polytechnic    Collage,Anuppur:-
484224</h4></div></div>
                    </p>
    </div>

    </div><!-- /.modal-content -->
  </div><!-- /.modal-dialog -->
</div><!-- /.modal -->

<!--Modal for admin login-->
        <div class="modal fade" id="login">
  <div class="modal-dialog">
    <div class="modal-content">
      <div class="modal-header">
        <button        type="button"       class="close"        data-dismiss="modal"><span          aria-
hidden="true">&times;</span><span class="sr-only">Close</span></button>
        <h4 class="modal-title"><span style="color:orange;font-family:'typo' ">LOGIN</span></h4>
      </div>
      <div class="modal-body title1">
<div class="row">
<div class="col-md-3"></div>
<div class="col-md-6">
<form role="form" method="post" action="admin.php?q=index.php">
<div class="form-group">
<input  type="text"  name="uname"  maxlength="20"   placeholder="Admin  user  id"  class="form-
control"/>
</div>
<div class="form-group">
<input  type="password"  name="password"  maxlength="15"  placeholder="Password"  class="form-
control"/>
</div>
<div class="form-group" align="center">
<input type="submit" name="login"  value="Login" class="btn btn-primary" />
</div>
</form>
</div><div class="col-md-3"></div></div>
      </div>
      <!--<div class="modal-footer">
        <button type="button" class="btn btn-default" data-dismiss="modal">Close</button>
      </div>-->
    </div><!-- /.modal-content -->
  </div><!-- /.modal-dialog -->
</div><!-- /.modal -->
<!--footer end-->


</body>
</html>
```

Back end source code

```php
<?php
session_start();
if(isset($_SESSION["email"])){
session_destroy();
}
include_once 'dbConnection.php';
$ref=@$_GET['q'];
$email = $_POST['email'];
$password = $_POST['password'];

$email = stripslashes($email);
$email = addslashes($email);
$password = stripslashes($password);
$password = addslashes($password);
$password=md5($password);
$result = mysqli_query($con,"SELECT name FROM user WHERE email = '$email' and password =
'$password'") or die('Error');
$count=mysqli_num_rows($result);
if($count==1){
while($row = mysqli_fetch_array($result)) {
$name = $row['name'];
}
$_SESSION["name"] = $name;
$_SESSION["email"] = $email;
header("location:account.php?q=1");
}
else
header("location:$ref?w=Wrong Username or Password");


?>
```

```php
<?php
include_once 'dbConnection.php';
ob_start();
$name = $_POST['name'];
$name= ucwords(strtolower($name));
$gender = $_POST['gender'];
$email = $_POST['email'];
$college = $_POST['college'];
$mob = $_POST['mob'];
$password = $_POST['password'];
$name = stripslashes($name);
$name = addslashes($name);
$name = ucwords(strtolower($name));
$gender = stripslashes($gender);
$gender = addslashes($gender);
$email = stripslashes($email);
$email = addslashes($email);
$college = stripslashes($college);
$college = addslashes($college);
$mob = stripslashes($mob);
$mob = addslashes($mob);

$password = stripslashes($password);
$password = addslashes($password);
$password = md5($password);

$q3=mysqli_query($con,"INSERT INTO user VALUES ('$name' , '$gender' , '$college','$email'
,'$mob', '$password')");
if($q3)
{
session_start();
$_SESSION["email"] = $email;
$_SESSION["name"] = $name;

header("location:account.php?q=1");
}
else
{
header("location:index.php?q7=Email Already Registered!!!");
}
ob_end_flush();
?>
```

10. Conclusion

The On line test System is developed using Java and sql fully meets the objectives of the system for which it has been developed. The system has reached a steady state where all bugs have been eliminated. The system is operated at a high level of efficiency and all the teachers and user associated with the system understands its advantage. The system solves the problem. It was intended to solve as requirement specification.

11. Reference

Php -   Https://youtube.com/playlist?list

W3schols

Html -   https://youtube.be/v95sxoEuQpI

CSS -   https://youtube.be/Edsxf_NBFrw

MSQL -   https://youtube/LGTbdjoeBVM