

# VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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**A Web Application Mini Project Report  
on**

## **College Gallery Notes**

**Submitted in Partial fulfillment of the Requirements for the VII Semester of the Degree  
of**

**Bachelor of Engineering  
In  
Computer Science & Engineering  
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**Under the Guidance of**

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# CMR INSTITUTE OF TECHNOLOGY

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## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



## CERTIFICATE

This is to certify that the Web Application Project work entitled “COLLEGE NOTES GALLERY” has been carried out by **Sai Chandana G(1CR18CS144)** and **Yashaswini P(1CR18CS187)** bonafide students of CMR Institute of Technology in partial fulfillment for the award of **Bachelor of Engineering in Computer Science and Engineering** of the Visvesvaraya Technological University, Belgaum during the year **2019-2020**. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. This Web Application Project Report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

-----  
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**Professor, Head**  
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External Viva

Name of the examiners

- 1.
- 2.

Signature with date

# **ABSTRACT**

Managing and finding notes for subjects in every semester in engineering is a huge task. This project is aimed at developing a desktop-based application named 'College Notes Gallery' for managing syllabus notes using a robust database at the backend and a Web based GUI at the frontend.

The application will allow users to upload or download complete notes of a subject starting from the start of their semester, going through the end semester and accurate information to right down to important questions of each subject. The software also allows users to view the list of other users, their uploads and their statistics all at once, thereby helping them build a perspective on the subject. Users also have the privilege to add upload new notes to a particular subject, and to modify their records. The system also , their preferential position of playing thereby guiding managers to build a strong positional team by selecting best rated player at each position. In conclusion, this application will come extremely handy in maintaining player spread across different teams and nations.

# **ACKNOWLEDGEMENT**

We would also like to take this opportunity to thank our Department and HOD for the concept of core subject projects, giving us a chance to learn beyond the boundaries of a textbook. This project has taught us a lot and improved our technical and non-technical skills.

We owe our deepest gratitude to our project guide Mr.Hemanth Kumar, who took keen interest in our project work and guided us all along, till the completion of our project work by providing all the necessary information for developing a good system.

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Lastly, we would like to thank all the classmates and friends who have helped us finish this project successfully in any way directly or indirectly. We are grateful for your support and thank you all from the bottom of our hearts.

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## Chapter 1

# INTRODUCTION

The project titled “**College Notes Gallery**” is notes management software for uploading and accessing subject notes based on their respective semester. This project is developed using HTML, CSS and JavaScript for front-end and PHP, MySQL for back-end, which focuses on basic operation like adding a new subject note, searching notes with detailed information and approve or reject them accordingly

This project is a web based application designed and developed to help users access subject wise notes and textbooks. This software is easy to use, and it features a familiar and well- thought-out attractive user interface, combined with strong searching, insertion, and deletion with procedure capabilities.

Analyzing notes have been a huge task performed by professional teachers who are spread around the state. From proper description to detailed explanations, system allows easy maintenance record of such complex literature.

## Chapter 2

# SYSTEM REQUIREMENT

One of the most difficult tasks is that, the selection of the software, once system requirement is known is determining whether a software package fits the requirements. After initial selection further security is needed to determine the desirability of software compared with other candidates. This section first summarizes the application requirement question and then suggests more detailed comparisons.

### 2.1 Hardware Requirement

1. 32/64-bit processor
2. i3 or greater intel processor chip
3. 1.7 or more GHz processor

### 2.2 Software Requirement

1. Windows 7 or higher version OS
2. Google chrome v70.0.3538 or greater
3. AMPP web server
4. Brackets web editor



## Chapter 3

# DESIGN

To maintain and access notes of each subject in each semester can be hectic and huge effort demanding task. To help users, students or teachers, staffs in education world, College Notes Gallery management system provides effortless notes management system to help users to analyze, access, upload and download notes on a daily basis.

### Description of the Project:

This project consists of player details, which describes about player biodata such as age and nationality. It also consists of player stats which describes about players technical skills. It also consists of tables containing details such as player earnings, club information and preferred position of playing. It also provides a strong searching, updating, deleting and inserting operations with a user friendly web based UI.

The project also helps the users to keep track of the player details in a computerized way without any trouble. Every time the user searches through the database, a procedure is called and the results is collected and displayed for the user in a structured manner. It also has 3 triggers namely “**Insert, Delete and Update**” triggers assigned separately to each table. Whenever operations such as insert or delete or update is performed on any table, these triggers are automatically called, and the logs are captured into 3 separate tables, individually for each trigger. Hence use of triggers provides users to trace back all the latest as well as the oldest changes into any table at any point of time.

This project is a simple prototype of managing larger numbers of notes across different semesters with different subjects and syllabus. It helps to access notes and thus aids in building a strong positional exam. It also helps in monitoring authenticity.

### 3.1 ER Diagram

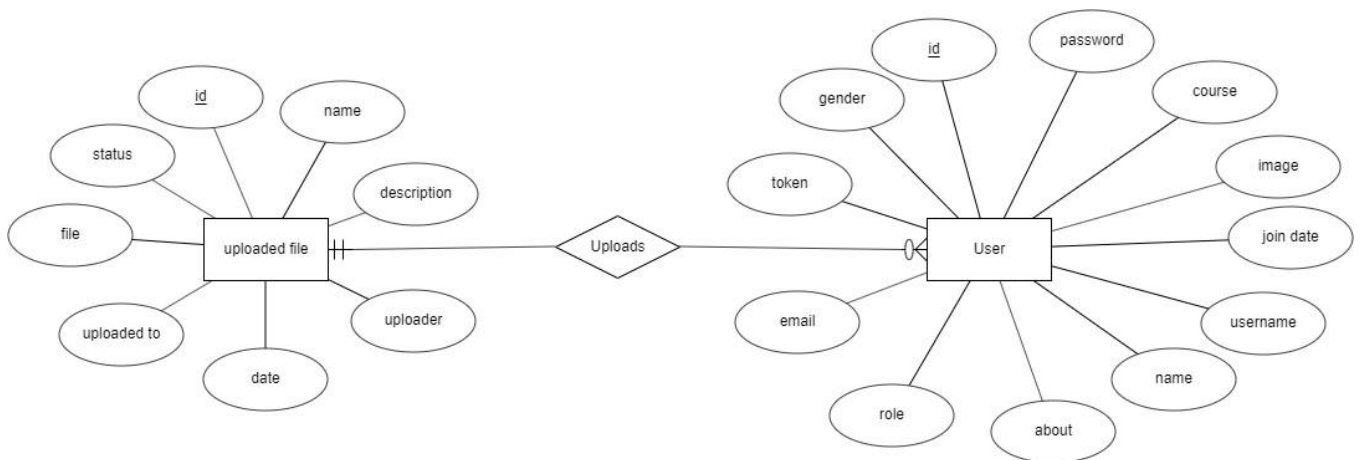


Fig 3.1

## 3.2 Schema diagram

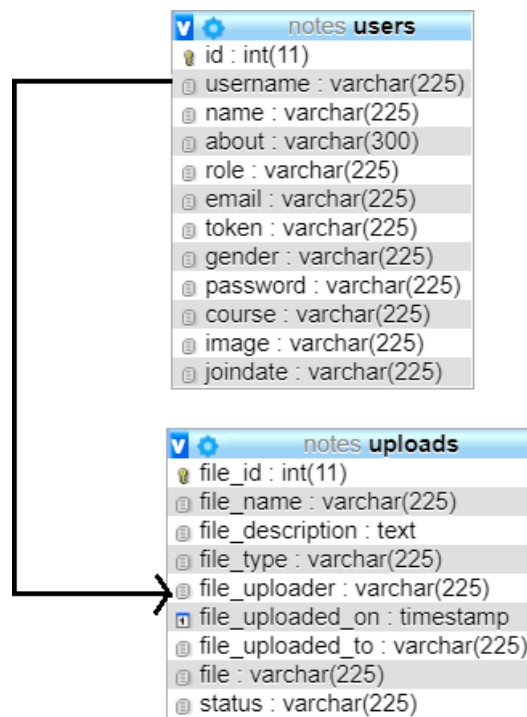
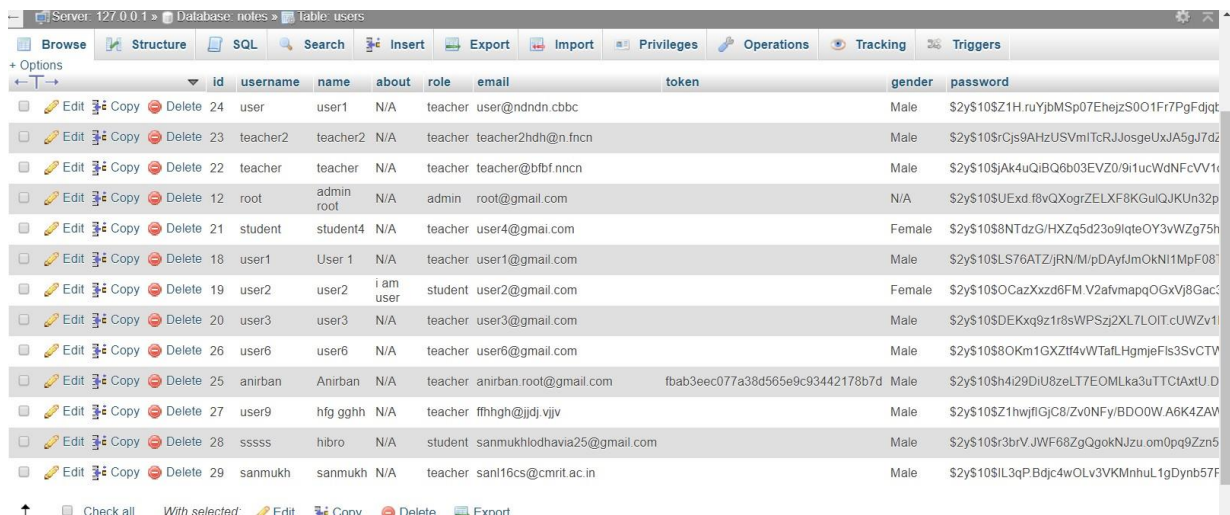


Fig 3.2

## 3.3 Table Structures:

### 3.3.1 User Details



	id	username	name	about	role	email	token	gender	password
24	user	user1	N/A	teacher	user@ndndn.cbbc			Male	\$2y\$10\$Z1H.ruYjbMSP07EhejzS001Fr7PgFjdgt
23	teacher2	teacher2	N/A	teacher	teacher2hdh@n.fncn			Male	\$2y\$10\$Rcj9AHZUSVmlTcRJJosgeUxJA5gJ7dz
22	teacher	teacher	N/A	teacher	teacher@bfbf.nncn			Male	\$2y\$10\$Jk4uQIBQ6b03EVZ0/9i1ucWdNfCVV1c
12	root	admin	N/A	admin	root@gmail.com			N/A	\$2y\$10\$UExd.f8vQXogrZELXF8KGulQJKUn32p
21	student	student4	N/A	teacher	user4@gmail.com			Female	\$2y\$10\$8NTdzg/HXZq5d23o9lqteOY3vWZg75h
18	user1	User 1	N/A	teacher	user1@gmail.com			Male	\$2y\$10\$SL76ATZ/jRN/M/pDAyIjmOkNI1MpF08
19	user2	user2	i am user	student	user2@gmail.com			Female	\$2y\$10\$OCazXxzd6FM.V2afvmapqOGxVj8Gac3
20	user3	user3	N/A	teacher	user3@gmail.com			Male	\$2y\$10\$DEKxq9z1r8sWPSzj2XL7LOIT.cUWZv1
26	user6	user6	N/A	teacher	user6@gmail.com			Male	\$2y\$10\$8Okm1GXZif4vWTaflHgmjeFls3SvCTV
25	anirban	Anirban	N/A	teacher	anirban.root@gmail.com	fbab3eec077a38d565e9c93442178b7d		Male	\$2y\$10\$sh4i29DiU8zeLT7EOMLka3uTTCTAxtU.D
27	user9	hfg gghh	N/A	teacher	ffhghh@jjdj.vjiv			Male	\$2y\$10\$Z1hwjfiGjC8/Zv0NFy/BDOOW.A6K4ZAV
28	sssss	hibro	N/A	student	sanmukhlodhavia25@gmail.com			Male	\$2y\$10\$R3brV.JWF68ZgQqokNJu.om0p9Zzn5
29	sanmukh	sanmukh	N/A	teacher	sanl16cs@cmrit.ac.in			Male	\$2y\$10\$IL3qP.Bdjc4wOLv3VKMnhuL1gDybn57F

Fig 3.3 User table structure

The user table consists of 6 columns. Username and name are primary keys and username has references of other tables as well. To insert data, username should exist in this table before inserting into other tables.

### 3.3.2 Upload Details

Show all

Number of rows: 25

Filter rows: Search this table

Sort by key: None

+ Options

file\_id

file\_name

file\_description

file\_type

file\_uploader

file\_uploaded\_on

file\_uploaded\_to

file

status

<input type="checkbox"/>				57	demo previer	demo	pdf	user	2019-12-02 09:51:07	Computer Science	578090.pdf	approved
<input type="checkbox"/>				56	teacher3 demo	demo	txt	teacher2	2017-07-19 10:38:16	Mechanical	565834.txt	approved
<input type="checkbox"/>				55	teacher title	demo desc	zip	teacher	2017-07-22 11:32:02	Mechanical	898387.zip	approved
<input type="checkbox"/>				58	php demo	ppph demo	pdf	anirban	2019-12-02 09:50:27	Computer Science	69321.pdf	approved
<input type="checkbox"/>				54	user title	user desc	zip	student	2017-07-19 10:38:28	Computer Science	848114.zip	approved
<input type="checkbox"/>				53	demo title ..	demo desc....	zip	user2	2019-12-03 14:35:58	Electrical	305047.zip	approved
<input type="checkbox"/>				52	demo title	demo desc.....	pdf	user1	2017-07-22 11:32:22	Electrical	845248.pdf	approved
<input type="checkbox"/>				51	demo 3	demo 3 desc....	pdf	user3	2019-12-02 11:19:34	Computer Science	437056.pdf	approved
<input type="checkbox"/>				50	demo2	demo desc 2...	ppt	user3	2017-07-22 11:32:36	Computer Science	800920.ppt	approved
<input type="checkbox"/>				49	demo title	demo description	docx	user3	2017-07-19 10:38:13	Computer Science	502238.docx	approved

Check all

With selected:

Edit

Copy

Delete

Export

Show all

Number of rows: 25

Filter rows: Search this table

Sort by key: None

Fig 3.4 User upload table structure

Upload stats table consists of 14 attributes, among which, file\_uploader is primary key and also has a foreign key reference to “user” table. It is designed to contain the details of all the data uploaded by all the users and also their statuses, whether it is approved or deleted by the admin and the status of approval.





## Chapter 4

# IMPLEMENTATION

### 4.1 Login.php

```
<?php include 'includes/connection.php';?>
<?php include 'includes/header.php';?>
<?php include 'includes/navbar.php';?>

<?php
session_start();
if (isset($_POST['login'])) {
    $username = $_POST['user'];
    $password = $_POST['pass'];
    mysqli_real_escape_string($conn, $username);
    mysqli_real_escape_string($conn, $password);
    $query = "SELECT * FROM users WHERE username = '$username'";
    $result = mysqli_query($conn , $query) or die (mysqli_error($conn));
    if (mysqli_num_rows($result) > 0) {
        while ($row = mysqli_fetch_array($result)) {
            $id = $row['id'];
            $user = $row['username'];
            $pass = $row['password'];
            $name = $row['name'];
            $email = $row['email'];
            $role= $row['role'];
            $course = $row['course'];
            if (password_verify($password, $pass )) {
                $_SESSION['id'] = $id;
                $_SESSION['username'] = $username;
                $_SESSION['name'] = $name;
                $_SESSION['email'] = $email;
                $_SESSION['role'] = $role;
                $_SESSION['course'] = $course;
                header('location: dashboard/');
            }
        }
    }
    else {
        echo "<script>alert('invalid username/password');
        window.location.href= 'login.php';</script>";
    }
}
else {
    echo "<script>alert('invalid username/password');
    window.location.href= 'login.php';</script>";
}
}
```

```
?>

<div class="login-card">
  <h1>Log-in</h1><br>
  <form method="POST">
    <input type="text" name="user" placeholder="Username" required="">
    <input type="password" name="pass" placeholder="Password" required="">
    <input type="submit" name="login" class="login login-submit" value="login">
  </form>

  <div class="login-help">
    <a href="signup.php">Register</a> • <a href="recoverpassword.php">Forgot Password</a>
  </div>
</div>

<script src='css/jquery.min.js'></script>
<script src='css/jquery-ui.min.js'></script>

</body>
</html>
```



## 4.2 Logout.php

```
<?php
session_start();?>

<?php

session_destroy();

header('Location: index.php');

?>
```

### 4.3 Index.php

```

<?php include 'includes/connection.php';?>
<?php include 'includes/header.php';?>
<?php include 'includes/navbar.php';?>

<br><br>
<link rel="stylesheet" type="text/css" href="styles.css" media="all" />
  <link rel="stylesheet" type="text/css" href="demo.css" media="all" />
  <!-- jQuery -->
  <script type="text/javascript" src="js/jquery.min.js"></script>
  <!-- FlexSlider -->
  <script type="text/javascript" src="js/jquery.flexslider-min.js"></script>
  <script type="text/javascript" charset="utf-8">
    var $ = jQuery.noConflict();
    $(window).load(function() {
      $('.flexslider').flexslider({
        animation: "fade"
      });

      $(function() {
        $('.show_menu').click(function(){
          $('.menu').fadeIn();
          $('.show_menu').fadeOut();
          $('.hide_menu').fadeIn();
        });
        $('.hide_menu').click(function(){
          $('.menu').fadeOut();
          $('.show_menu').fadeIn();
          $('.hide_menu').fadeOut();
        });
      });
    });
  </script>

  <div class="slider_container">
    <div class="flexslider">
      <ul class="slides">
        <li>
          <a href="#"></a>
          <div class="flex-caption">
            <div class="caption_title_line"><h2>Easy Notes Management</h2><p>Now easily manage all
kind of notes by uploading them here.</p></div>
          </div>
        </li>
        <li>
          <a href="#"></a>
          <div class="flex-caption">
            <div class="caption_title_line"><h2>Upload Various Files</h2><p>User can upload various
types of files like PDF, PPT, DOC etc..</p></div>

```

```
</div>
  </li>
  <li>
    <a href="#"></a>
    <div class="flex-caption">
      <div class="caption_title_line"><h2>Controlled By Admin</h2><p>Everything is managed and
controlled by administrator</p></div>
    </div>
  </li>
  <li>
    <a href="#"></a>
    <div class="flex-caption">
      <div class="caption_title_line"><h2>Login For Both Teacher and Student</h2><p>Both teacher
and student can login and upload notes </p></div>
    </div>
  </li>
</ul>
</div>
</div>
</div>
</div>
</body>
</html>
```

## 4.4 style.css

```

1  * {
2    margin: 0px;
3    padding: 0px;
4  }
5  body {
6    font-size: 120%;
7    background: #F8F8FF;
8  }
9
10 .header {
11   width: 30%;
12   margin: 50px auto 0px;
13   color: white;
14   background: #5F9EA0;
15   text-align: center;
16   border: 1px solid #B0C4DE;
17   border-bottom: none;
18   border-radius: 10px 10px 0px 0px;
19   padding: 20px;
20 }
21 form, .content {
22   width: 30%;
23   margin: 0px auto;
24   padding: 20px;
25   border: 1px solid #B0C4DE;
26   background: white;
27   border-radius: 0px 0px 10px 10px;
28 }
29 .input-group {
30   margin: 10px 0px 10px 0px;
31 }

```



```
32 ▼ .input-group label {
33     display: block;
34     text-align: left;
35     margin: 3px;
36 }
37 ▼ .input-group input {
38     height: 30px;
39     width: 93%;
40     padding: 5px 10px;
41     font-size: 16px;
42     border-radius: 5px;
43     border: 1px solid gray;
44 }
45 ▼ .btn {
46     padding: 10px;
47     font-size: 15px;
48     color: white;
49     background: #5F9EA0;
50     border: none;
51     border-radius: 5px;
52 }
53 ▼ .error {
54     width: 92%;
55     margin: 0px auto;
56     padding: 10px;
57     border: 1px solid #a94442;
58     color: #a94442;
59     background: #f2dede;
60     border-radius: 5px;
61     text-align: left;
62 }
63 ▼ .success {
64     color: #3c763d;
65     background: #dffe0d;
66     border: 1px solid #3c763d;
67     margin-bottom: 20px;
68 }
```

## Chapter 5

## DISCUSSION &amp; SCREENSHOTS

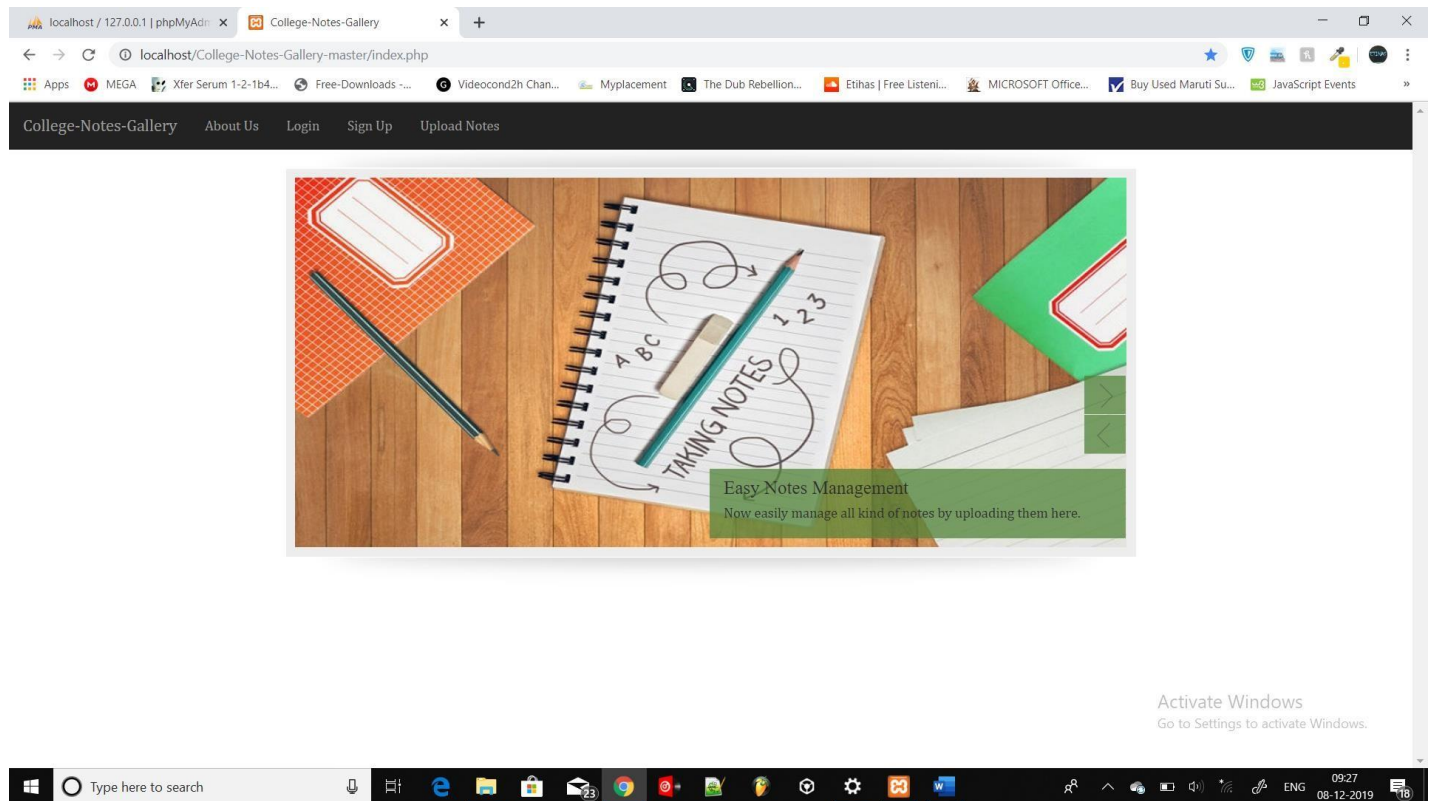


Fig 5.1 Home Page

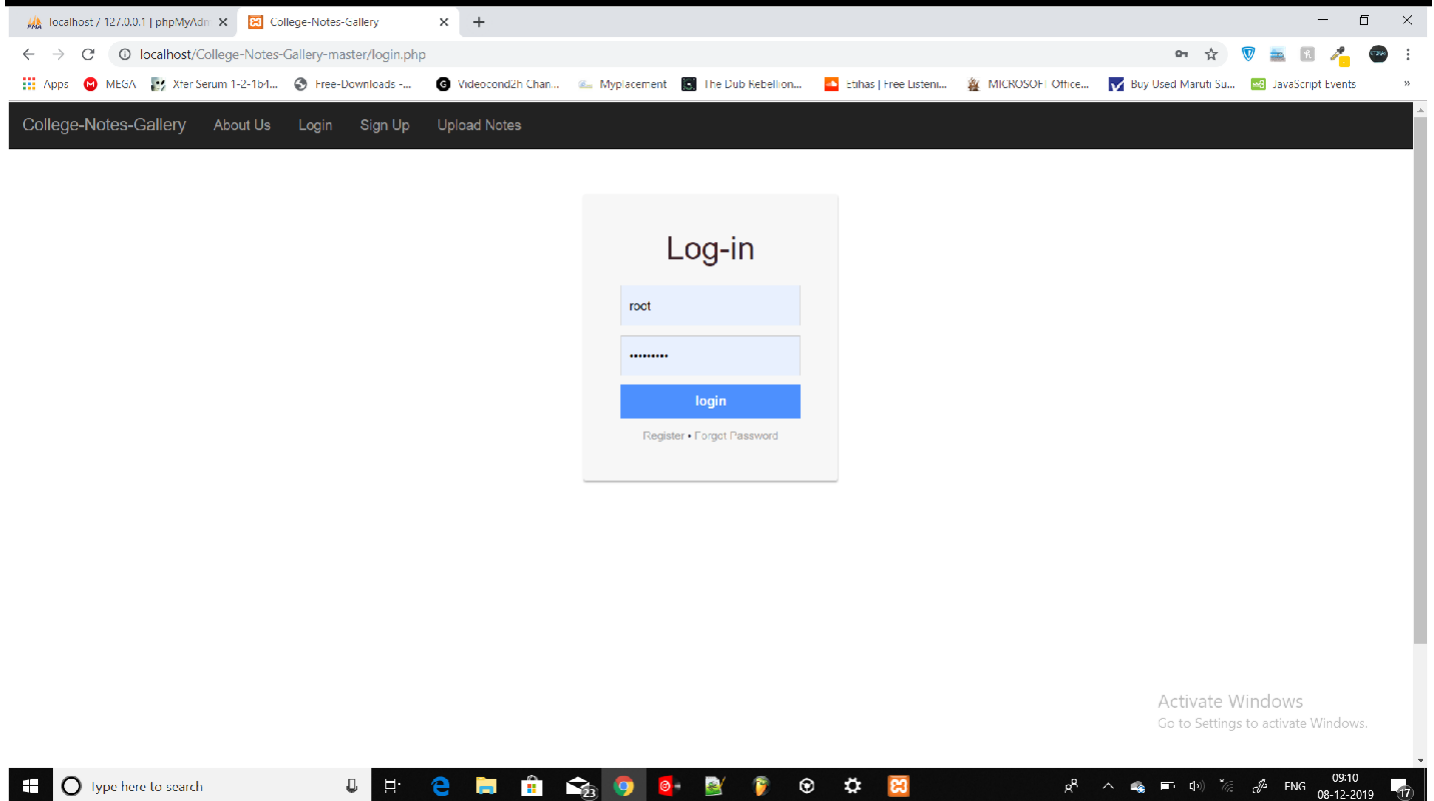


Fig 5.2 Login Page

localhost / 127.0.0.1 | phpMyAdmin x Dashboard - root x +

localhost/College-Notes-Gallery-master/dashboard/

COLLEGE-NOTES-GALLERY admin root

Dashboard  
Users  
My Account

## Welcome admin root

Name	Description	Type	Uploaded on	Uploaded by	Status	View	Approve	Delete
demo title ...	demo desc...	zip	2019-12-03 14:35:58	user2	approved	<a href="#">View</a>	<a href="#">Approve</a>	<a href="#">delete</a>
demo 3	demo 3 desc....	pdf	2019-12-02 11:19:34	user3	approved	<a href="#">View</a>	<a href="#">Approve</a>	<a href="#">delete</a>
demo previer	demo	pdf	2019-12-02 09:51:07	user	approved	<a href="#">View</a>	<a href="#">Approve</a>	<a href="#">delete</a>
php demo	ppph demo	pdf	2019-12-02 09:50:27	anirban	approved	<a href="#">View</a>	<a href="#">Approve</a>	<a href="#">delete</a>
demo2	demo desc 2...	ppt	2017-07-22 11:32:36	user3	approved	<a href="#">View</a>	<a href="#">Approve</a>	<a href="#">delete</a>
demo title	demo desc.....	pdf	2017-07-22 11:32:22	user1	approved	<a href="#">View</a>	<a href="#">Approve</a>	<a href="#">delete</a>
teacher title	demo desc	zip	2017-07-22 11:32:02	teacher	approved	<a href="#">View</a>	<a href="#">Approve</a>	<a href="#">delete</a>
user title	user desc	zip	2017-07-19 10:38:28	student	approved	<a href="#">View</a>	<a href="#">Approve</a>	<a href="#">delete</a>
teacher3 demo	demo	txt	2017-07-19 10:38:16	teacher2	approved	<a href="#">View</a>	<a href="#">Approve</a>	<a href="#">delete</a>
demo title	demo description	docx	2017-07-19 10:38:13	user3	approved	<a href="#">View</a>	<a href="#">Approve</a>	<a href="#">delete</a>

Activate Windows  
Go to Settings to activate Windows.

Type here to search

09:11  
08-12-2019

Fig 5.3 Admin Page



## College Notes Gallery

localhost / 127.0.0.1 | phpMyAdmin x Dashboard - root x +

localhost/College-Notes-Gallery-master/dashboard/users.php

COLLEGE-NOTES-GALLERY admin root

Dashboard  
Users  
My Account

### All Users

Id	Username	Name	Email	Role	Course	Delete
12	root	admin root	root@gmail.com	admin	Computer Science	<a href="#">delete</a>
25	anirban	Anirban	anirban.root@gmail.com	teacher	Computer Science	<a href="#">delete</a>
27	user8	hlgh gghh	hlghgh@jijj.vijv	teacher	Computer Science	<a href="#">delete</a>
28	sanmukh	sanmukh	sant16cs@cmrit.ac.in	teacher	Computer Science	<a href="#">delete</a>
21	student	student4	user4@gmail.com	teacher	Computer Science	<a href="#">delete</a>
22	teacher	teacher	teacher@bfbf.nnccn	teacher	Mechanical	<a href="#">delete</a>
23	teacher2	teacher2	teacher2hdh@n.nnccn	teacher	Mechanical	<a href="#">delete</a>
18	user1	User 1	user1@gmail.com	teacher	Electrical	<a href="#">delete</a>
24	user	user1	user@ndndn.cbcc	teacher	Computer Science	<a href="#">delete</a>
19	user2	user2	user2@gmail.com	student	Electrical	<a href="#">delete</a>
20	user3	user3	user3@gmail.com	teacher	Computer Science	<a href="#">delete</a>
26	user6	user6	user6@gmail.com	teacher	Computer Science	<a href="#">delete</a>

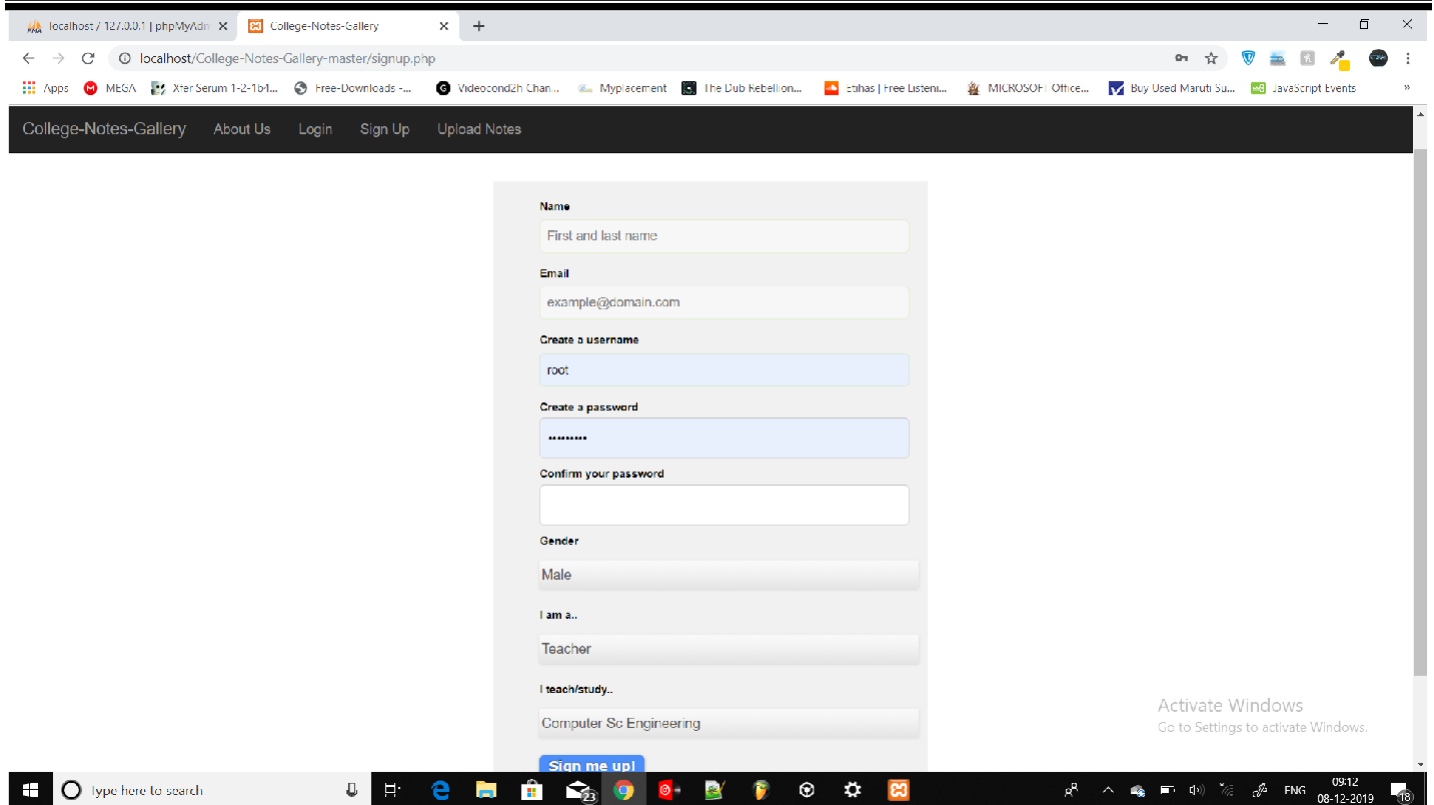
Activate Windows  
Go to Settings to activate Windows

type here to search

09:11  
08-12-2019

Fig 5.4 Users List Page

# College Notes Gallery



The screenshot shows a web browser window with the URL `localhost/College-Notes-Gallery-master/signup.php`. The page has a dark navigation bar with links: [College-Notes-Gallery](#), [About Us](#), [Login](#), [Sign Up](#), and [Upload Notes](#). The main content area is a light gray box containing a registration form with the following fields:

- Name**: Text input with placeholder "First and last name".
- Email**: Text input with placeholder "example@domain.com".
- Create a username**: Text input with placeholder "root".
- Create a password**: Password input with placeholder "\*\*\*\*\*".
- Confirm your password**: Text input.
- Gender**: Radio button for "Male".
- I am a..**: Text input with placeholder "Teacher".
- I teach/study..**: Text input with placeholder "Computer Sc Engineering".

At the bottom of the form is a blue button labeled "Sign me up!". The Windows taskbar is visible at the bottom of the screen, showing the search bar, task view button, and several application icons. The system clock in the bottom right corner displays "09:12 08-12-2019".

Fig 5.5 Register/Sign-Up Page

## Chapter 6

# CONCLUSION AND FUTURE SCOPE

### 6.1 Conclusion

This project is developed to nurture the needs of a user or a student to maintain notes and also upload them for use to other students. This is a computerized version of college library system which will benefit the students as well as the staff of an institution.

In this entire process one can search player details, add new skilled players, update ratings and view all the player statistics. The software takes care data and carefully stores all the player information. It provides security and encapsulation by the use of stored procedures.

### 6.2 Future scope

There is a future scope of this project which is to help students and college staffs to get out the best subject literature across the world. Features like analyzing and approving or rejecting notes, which is an admin only privilege , will help maintain legit and accurate notes for a particular subject. according to the user's needs.

## BIBLIOGRAPHY

- <https://stackoverflow.com/search?q=insert+table>
- <https://stackoverflow.com/search?q=view+table>
- <https://stackoverflow.com/search?q=search+from+table>
- [www.quora.com](http://www.quora.com)
- <https://www.codeproject.com/search.aspx?q=php+code+for+radio+buttons&x=0&y=0&sbo=qa>
- <https://www.codeproject.com/Articles/38808/Overview-of-SQL-Server-database-Triggers>
- <https://www.techrepublic.com/article/determine-when-to-use-stored-procedures-vs-sql-in-the-code/>
- <https://codepen.io/>
- <https://www.uplabs.com/>
- <https://www.ibm.com/support/knowledgecenter/en/SS6NHC/com.ibm.swg.im.dashdb.sql.ref.doc/doc/c0004100.html>
- <https://www.w3schools.com/html/default.asp>
- <https://www.w3schools.com/css/default.asp>
- <https://www.w3schools.com/php/default.asp>
- [https://www.ibm.com/support/knowledgecenter/en/SSEPEK\\_10.0.0/apsg/src/tpc/db2z\\_storedprocedure.html](https://www.ibm.com/support/knowledgecenter/en/SSEPEK_10.0.0/apsg/src/tpc/db2z_storedprocedure.html)

