Smart Image Processing

A MINI PROJECT REPORT

Submitted by

S. AISWARIYA(1516106002)

J.JENISHA(1516106028)

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BONAFIDE CERTIFICATE

Certified that this mini project report “SMART IMAGE PROCESSING ” is the bonafied work of “ S.AISWARIYA(1516106002), J.JENISHA (1516106028), ” is the bonafide work of who carried out the project work under my supervision.

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CHAPTER 1

INTRODUCTION

1.1 ABOUT THE PROJECT

In today's scientific World there is an enormous amount of data but no efficient way to handle them .So there is a need to handle pictures ,text etc.

So we have come up with an idea to handle pictures .We are going to develop a web page which will access pictures based on the meta data provided .For this web page we are going to use HTML as front end and php as back end .The web page we are going to design will search pictures based on the information given such as location ,coordinator, name, guest etc. There will be separate login for admin and user.

The admin will be provided with facilities like uploading the picture and adding information like meta data for the picture. But the user will be provided with facilities like searching and viewing the web page .We have planned to do this web page for our college Sonaversity. Thus we hope this web page will be useful one.

ABOUT DOMAIN:

PHP: Hypertext Preprocessor (or simply **PHP**) is a general-purpose programming language originally designed for web development. It was originally created by Rasmus Lerdorf in 1994 the PHP reference implementation is now produced

by The PHP Group.PHP originally stood for *Personal Home Page*, but it now stands for the recursive initialism

PHP code may be executed with a command line interface (CLI), embedded into HTML code, or it can be used in combination with various web template systems, web content management systems, and web frameworks. PHP code is usually processed by a PHP interpreter implemented as a module in a web server or as a Common Gateway Interface (CGI) executable. The web server combines the results of the interpreted and executed PHP code, which may be any type of data, including images, with the generated web page. PHP can be used for many programming tasks outside of the web context, such as standalone graphical applications and robotic drone control.

The standard PHP interpreter, powered by the Zend Engine, is free software released under the PHP License. PHP has been widely ported and can be deployed on most web servers on almost every operating system and platform, free of charge.

The PHP language evolved without a written formal specification or standard until 2014, with the original implementation acting as the *de facto* standard which other implementations aimed to follow. Since 2014, work has gone on to create a formal PHP specification.

Wamp Server

Wamp server refers to a set of free applications for Microsoft Windows operating system. It was created by Romain Bourdon which consists of apache web server, OpenSSL. This is used for SSL support in MySQL database and PHP programming languages. The WAMP stack provides developers with four key elements of a web

server an operating system (OS), Apache is the web server, MySQL handles the database components, while PHP or Python represents the dynamic scripting languages. PHP is a fast and feature-rich open source scripting language used to develop Web Application or Internet/Internet Applications.

MySQL is a powerful open source database server built based on a relational database management system (RDBMS) and is capable of handling a large concurrent database connection.

When combined together, the PHP and MySQL developers can build very powerful and scalable Web/ Internet /Intranet Applications. PHP and MySQL are referred to as development tools.

PHP and MySQL are Open Source, which means that they are free development tools, and there is a large community of dedicated volunteer programmers who development tools and database servers that require licensing costs have limited programming resources compared to open source development tools, which have an enormous and fast growing dedicated and knowledgeable community that extends around the world.

MySQL Database

MySQL is a fast, easy-to-use RDBMS being used for many small and big businesses. MySQL is developed, marketed and supported by MySQL AB, which is a Swedish Company. MySQL is becoming so popular because of some good reasons:

- MySQL is related under an open-source license. So you have nothing to pay to use it.
- MySQL is a very powerful program in its own right. It handles a large subset of functionality and packages.
- MySQL uses a standard form of the well-known SQL data language.

- MySQL works on many operating systems and with many languages including PHP, PERL, C++, JAVA, etc.
- MySQL works very quickly and works well even with large data sets.
- MySQL is very friendly to PHP, the most appreciates language for web development.

Many computer programs, including web-based programs like blogs, photo galleries and content management systems need to store and retrieve data. Since, photo galleries store information about their pictures (for example, for sites that allow users to rate the photos, the numerical rating for each picture is stored in a database).

To make it easy for other programs to access data through them, many database software support a computer language called "SQL" (often pronounced as "sequel"). SQL was specially designed for such a purpose. Programs that want the database software to handle the low-level work of managing data simply use that language to send it instructions.

MySQL is a brand of database software, which is similar to PostgreSQL. These two databases are very popular among programs that run on websites, which is why we often see one or both of them being advertised in the feature lists of web hosts.

1.2 PROBLEM DESCRIPTION

Uploading an image into a database is a complex task and very expensive as it is very space consuming. So in this project we are storing the name of the image instead of the image itself. So the retrieval will be more efficient and fast.

In this system the user will be able to retrieve the image even if he does not knows the complete information regarding the image .For example even if the user forgets the event name, he will be able to retrieve the image based on any other

information that he knows like venue, coordinators etc.

1.3 SCOPE FOR FUTURE DEVELOPMENT

The system has been designed and developed flexible according to the current requirement of the user. As the information requirement may still increase further in the near future. Further development can be made.

In future we planning to add face recognition to identify and retrieve a specific person based on searching criteria's. Further we have also planned to add facial recognition in such a manner that when an admin uploads an image it will be stored in separate folder where the images of the identified person are stored.

This will in turn increase the efficiency further because even if the person who is in the image but not mentioned in the details even those images will be retrieved since it is stored in a separate folder.

CHAPTER 2

LITERATURE SURVEY

R. Senthil Kumar et al., proposed a improved method for content based system used for medical field.

Ms. Anchal et al., proposed various methods of CBIR. A.R. Mahajan et al., proposed the numerous kinds of images with advancements in medicine and image technology.

Neha provided a Comprehensive Review on CBIR and Image Retrieval work giving a detailed review of the traditional and modern CBIR.

Ashish Mohan Yadav et al proposed fundamental techniques for CBIR along with features and matching function measurement.

Amit Singh et al., described the different methods used for content retrieval.

Jahnavi Shukla et al., described all feature extraction methods i.e., color, shape, texture and the researchers can combine any of these methods to get highest Precision and Recall by testing various combinations.

Zobiar Raisi et al., applied CBIR using CR algorithms for providing services to tourism using network and internet.

S. Banuchitra et al., presented the goal of the survey to provide an overview of the functionality of CBIR. Various features and their method of representations are described.

Ricardoda Silva Torres et al., proposed content based information retrieval approach and proved the existence of automatic retrieval process.

R. Priyatharshini , S. Chitrakala,"Association based Image retrieval: A survey,"Springer-Verlag Berlin Heidelberge, pp. 17-26, 2013

Vaishali D. Dhale , A. R. Mahajan, Uma Thakur, “A Survey of Feature Extraction Methods for Image Retrieval,” International Journal of Advanced Research in Computer Science and Software Engineering, Volume 2, Issue 10, October 2012 ISSN: 2277 128X.

Alaa M. Riad, Hamdy.K. Elminir, SamehAbd-Elghany, “A Literature Review of Image Retrieval based on Semantic Concept,” International Journal of Computer Applications (0975 – 8887) Volume 40– No.11, February 2012

GulfishanFirdose Ahmed, RajuBarskar,”A Study on Different Image Retrieval Techniques in Image Processing,” International Journal of Soft Computing and Engineering (IJSCE), ISSN: 2231-2307, Volume-1, Issue-4, September 2011

HuiHui Wang, DzulkifliMohamad, N.A. Ismail “Approaches, Challenges and Future Direction of Image Retrieval,” Journal of Computing, Volume 2, Issue 6, June 2010, ISSN 2151-9617

The Author X. Li et.al. Explained the idea is to understand and learn how relevant to the image from tagging behaviors of visual neighbors of that image. In particular, The algorithm estimates how tag is relevant by counting neighbor votes on tags and the tag refinement technique issued to improve the effectiveness of image tag recommendation for non-tagged images.

Yang et.al. explained major approaches in solving the diversity problem. However, the essence of social images is ignored. The social images uploaded by users and tagged by them self are user oriented. These images which has the same user and annotated with same input query are always taken in a fixed amount of time at a specific spot. It is known that, images taken in the same time interval and fixed spot are fairly similar. To diversify the top ranked search results, it’s better to re-rank the results by removing the duplicate images uploaded by the same user.

Author L. Chen proposed a relevance-quality ranking method considering both image relevance and quality. First, a relevance-based ranking scheme is used to automatically rank images according to their relevance to the input query tag, which returns the relevance scores based on both the image visual similarity and the semantic consistency of associated tags.

Author D. Liu et. al. proposed a two-step similarity ranking solution which retrieves interactive images. First it works on visual similarity and then develop a semantic-based similarity re-ranking method to address the dislocation problem.

CHAPTER 3

HARDWARE AND SOFTWARE REQUIREMENTS

This chapter provides brief description about the requirements essential for our project.

HARDWARE REQUIREMENT

Operating system	:	Windows 10
Hard disk	:	500 GB
RAM	:	2 GB (minimum)

SOFTWARE REQUIREMENT

Operating System	: Windows 7
Tool Used	: Wamp
Front end	: HTML and PHP
Back end	: MySQL server

CHAPTER 4

PROJECT DESCRIPTION

4.1 SCOPE OF THE PROJECT:

The scope of the project is to provide strong and fast checking with the database and retrieval .This system will search and retrieve any type irrespective of the extension.

The admin will be able to select and upload multiple images along with its metadata at the same time, so the complexity to select and specify metadata for each image will be reduced.

Here in this system if multiple images are selected to upload a separate row will be created and allocated for each image and the details will be separately stored for each image along with the image name.

This system provides an interface which provides both strong and fast storing and retrieving for any type of text and image .Thus providing reliability and efficiency.

4.2 SYSTEM ARCHITECTURE AND DESIGN:

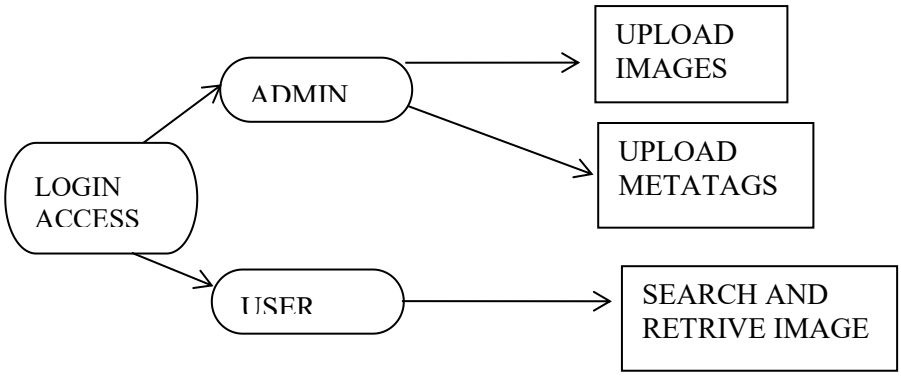

Fig 4.1 Architecture Diagram

4.2.1 USE CASE DIAGRAM

- Use Case Diagram helps to determine about the important or key sections in the module.
- It gives user a clear picture about the system.

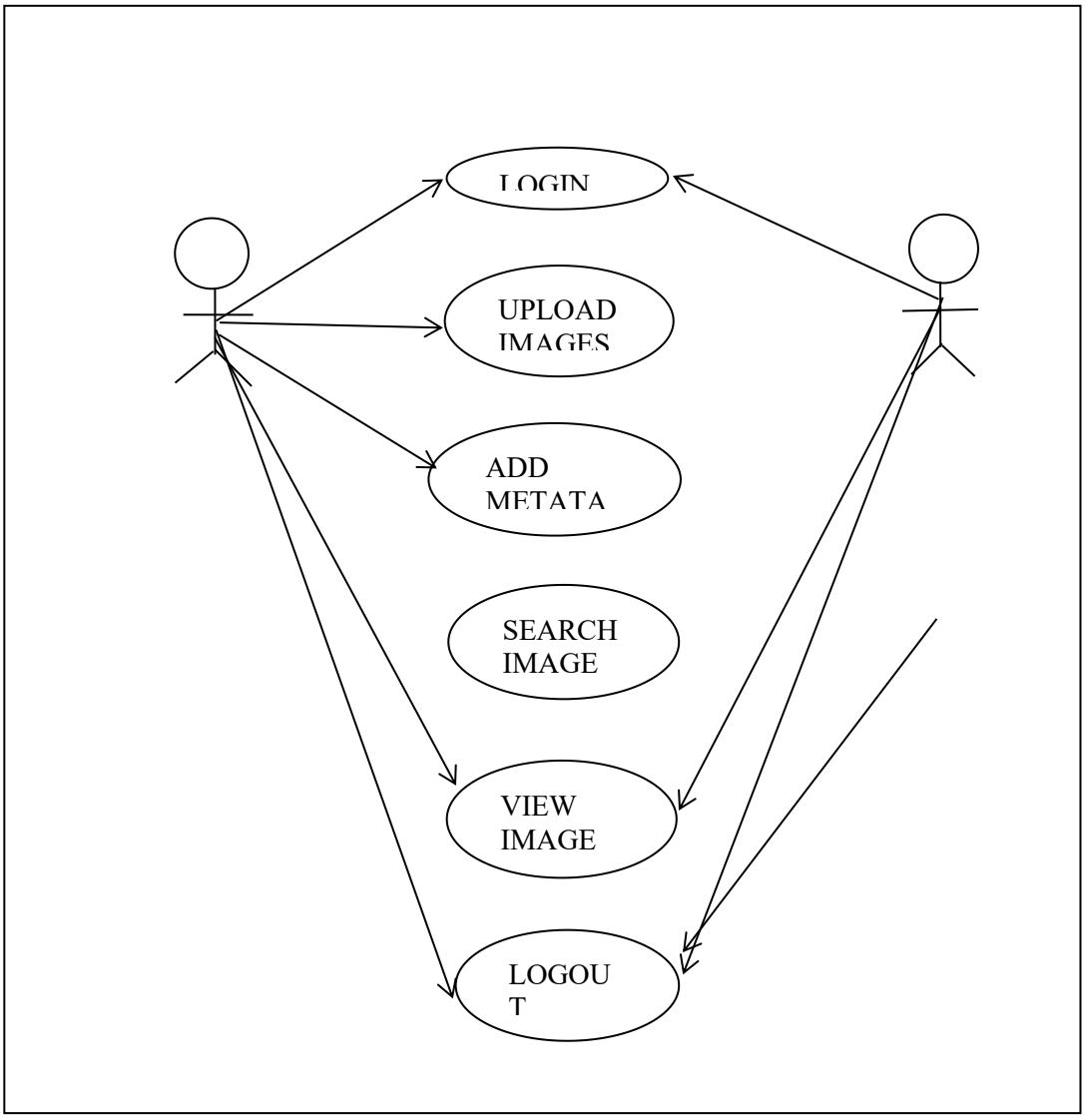

Fig 4.2 Use Case Diagram

4.2.2 LEVEL-1 DFD

Level-1 DFD gives simple idea about the image processing system's work function. This is to give clarity about the system to the user.

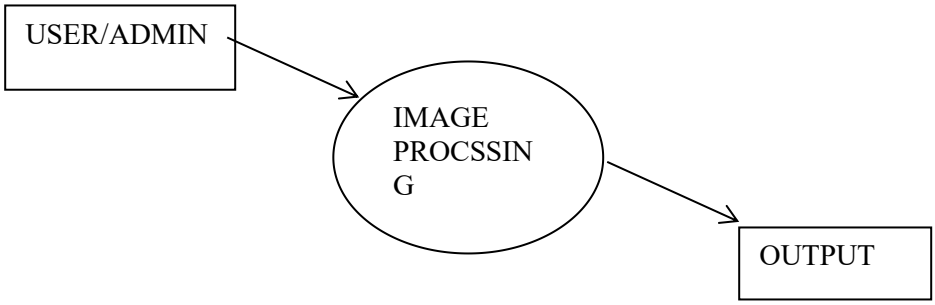

Fig 4.3 Level-1 DFD block diagram

4.2.3 LEVEL-2 DFD

Level-2 DFD is to display about the interior process done in the system. It displays what are all the features available in the system after the user has logged into the system.

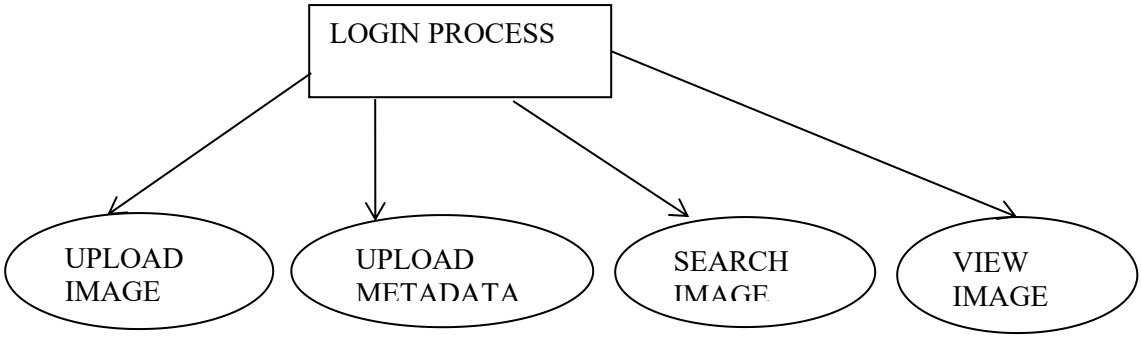

Fig 4.4 Level-2 DFD Block Diagram

4.2.4 IMAGE UPLOAD IN IMAGE PROCESSING :

In this system php is used for uploading multiple images into database. In this project only the admin will have authority to upload image. But both the user and admin have accesses to search an image.

• Execution time: Gives the time period required for execution.

• Key: This is generated by using both the html and php code.

4.2.5 IMAGE TYPES:

This system is designed in such a way that it supports all image types. It supports image types such as jpg, png, jpeg etc . It also provides support for browsing and uploading other types of images also. Every time a unique id is generated separately for each image being uploaded. This avoids repetition of same id

4.2.6 IMPLEMENTATION OF CONTENT BASED IMAGE RETRIEVING:

We have used wamp for easy and effective storage of data. Data can stored into the database in an space effective way.

This system ensures efficient retrieval since the images are stored in a separate folder. This system is more reliable ,secured and robust

4.2.7 USERFRIENDLY RETRIEVAL:

This system has a very unique feature that even if a user doesnot know the complete information about the image he will be able to retrieve the image with the few know information.The search is also not case sensitive.

4.2.8 UPLOAD MODULE:

In this module the admin will upload multiple images along with details regarding the image .These details along with the name of the image will be uploaded in the database.

A separate folder called uploads will be created and the images will be stored in the folder.

4.2.9 SEARCH MODULE:

In this module both the user and the admin will have access to search an image based on any detail they have regarding the image like event name, venue of the event, chief guest, coordinators etc.

The image will be fetched from the uploads folder and displayed in a new screen.

CHAPTER-5

RESULTS:

This chapter specifies the result of upload and search performed using the developed interface.

5.1 USER INTERFACE:

Login page

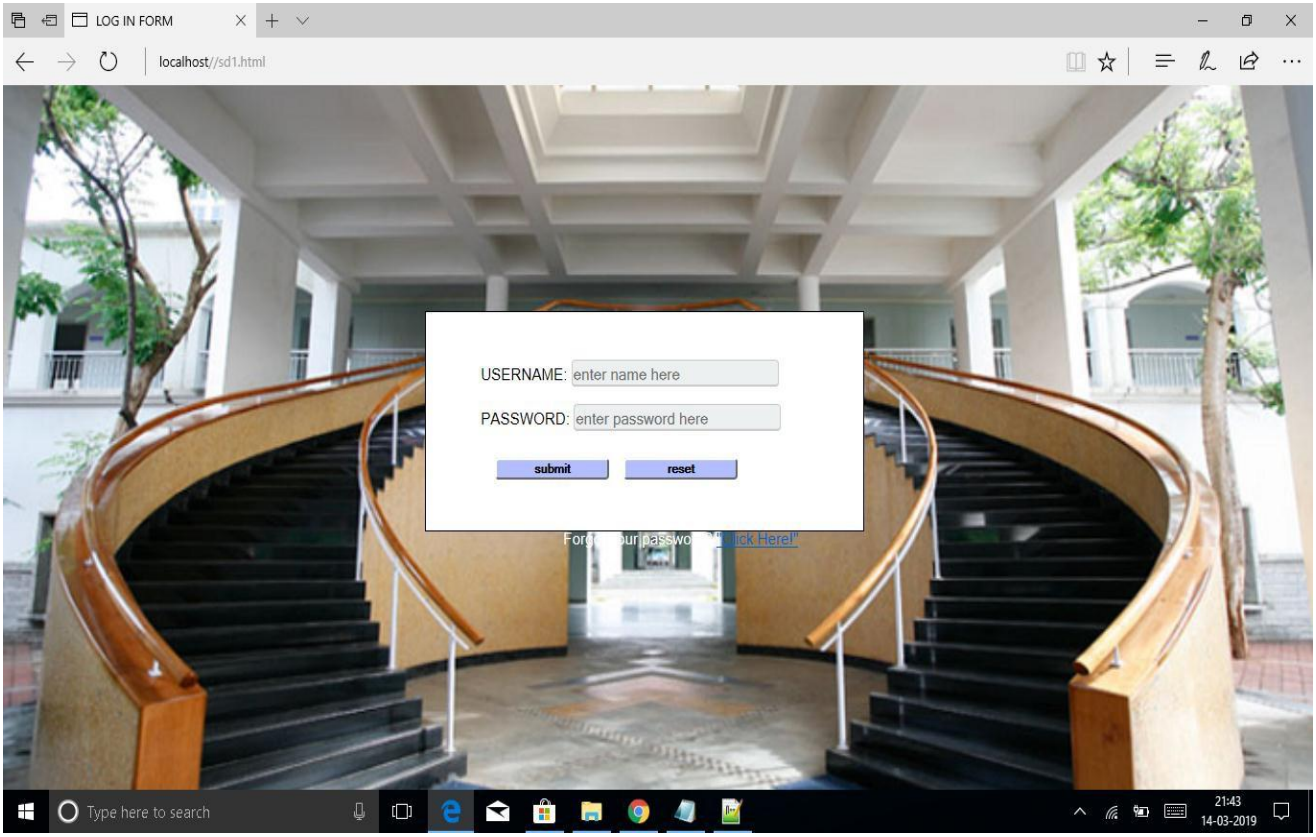

Fig 5.1: Login page

SEARCH PAGE

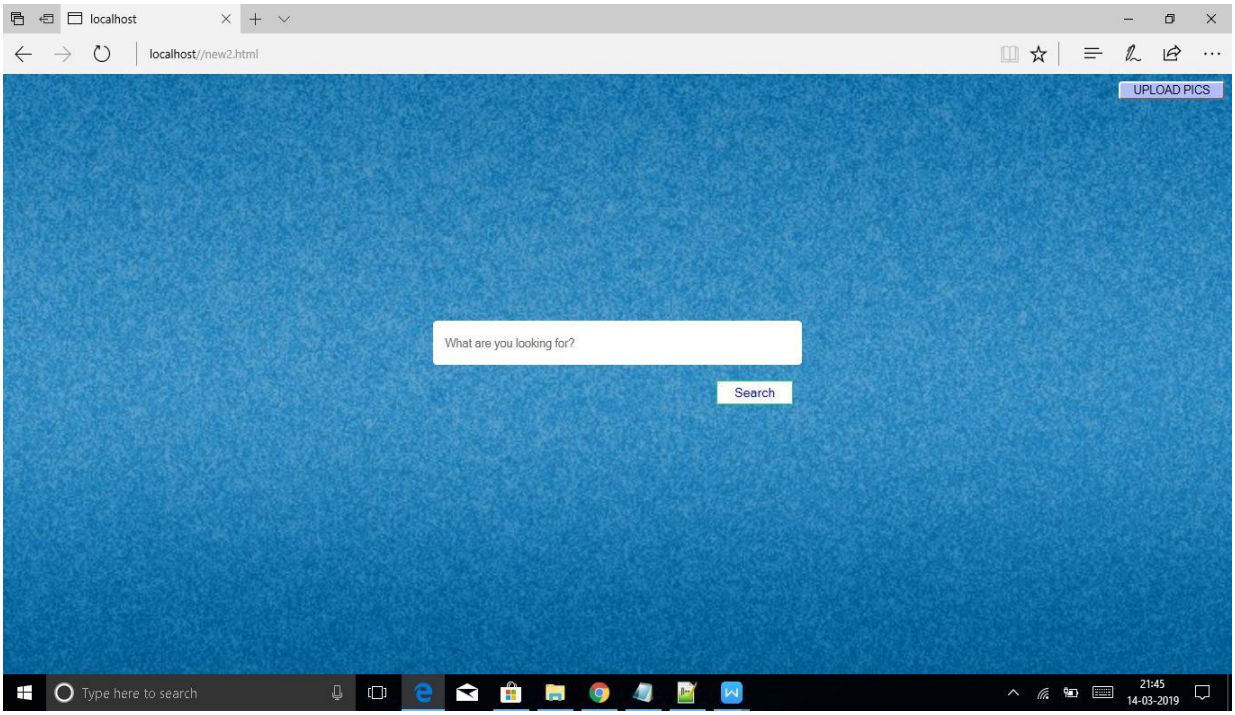

Fig 5.2: Search page

UPLOAD PAGE:

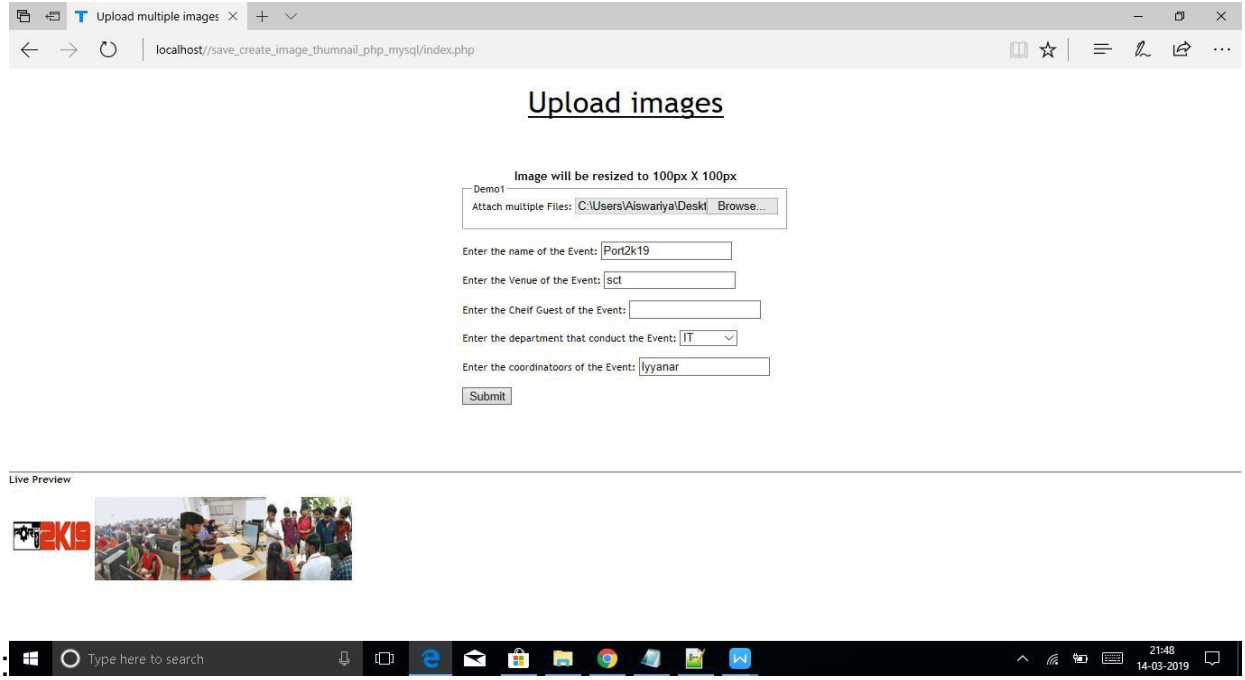

Fig 5.3: Upload page

RETRIVAL PAGE

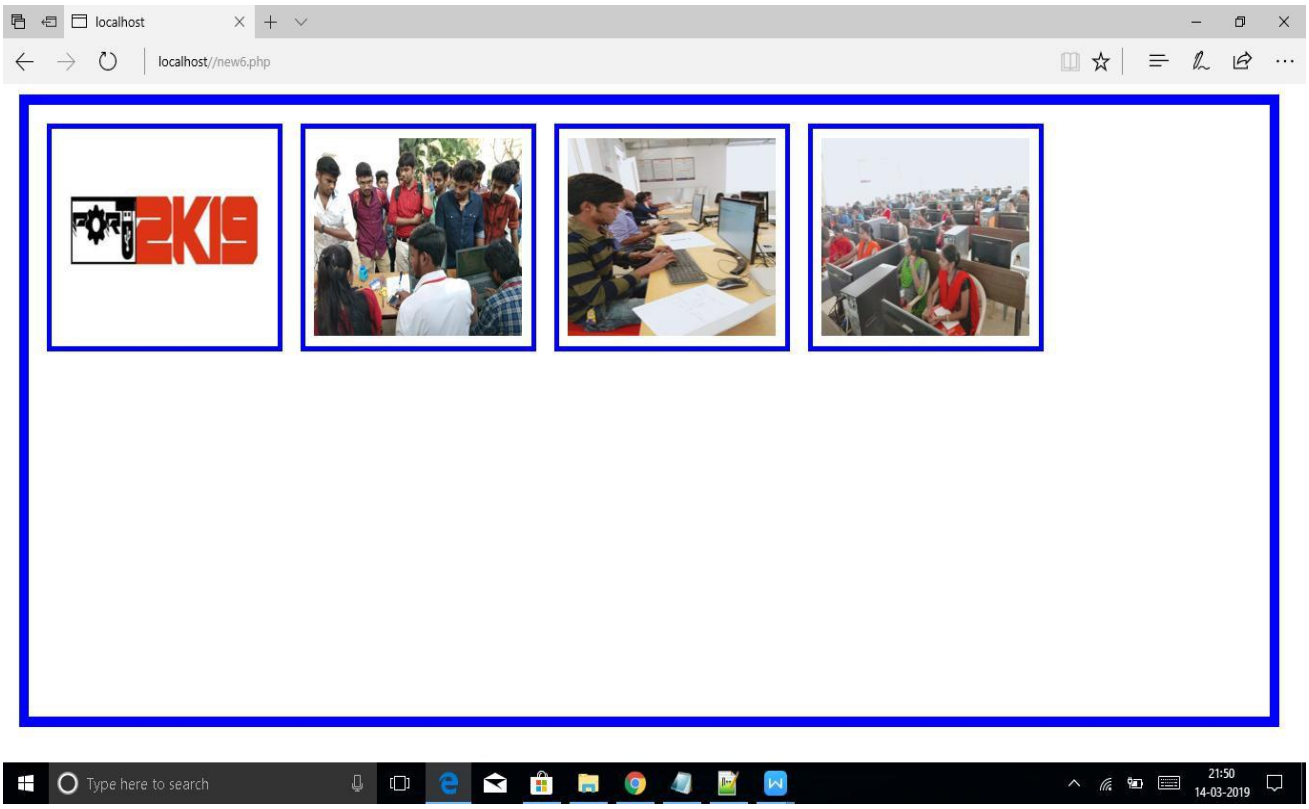

Fig 5.4: Retrival page

CHAPTER 6

CONCLUSIONS AND FUTURE ENHANCEMENTS

6.1 CONCLUSION

In today's world the protection of sensitive data is one of the most critical concerns for organizations and their customers. This, coupled with growing regulatory pressures, is forcing businesses to protect the integrity, privacy and security of critical information.

This system has a very unique feature that even if a user doesnot know the complete information about the image he will be able to retrieve the image with the few know information .The search is also not case sensitive.

This system will be useful for easy retrieval and searching and it also accepts images of any type .So it will be very useful and easy to use.

6.2 FUTURE ENHANCEMENT

The system has been designed and developed flexible according to the current requirement of the user. As the information requirement may still increase further in the near future. Further development can be made.

In future we planning to add face recognition to identify and retrieve a specific person based on searching criteria's. Further we have also planned to add facial recognition in such a manner that when an admin uploads an image it will be stored in separate folder where the images of the identified person are stored.

This will in turn increase the efficiency further because even if the person who is in the image but not mentioned in the details even those images will be retrieved since it is stored in a separate folder.

APPENDICES

APPENDIX1

SAMPLE SCRIPT

Login.html

```
<html>
<style type="text/css">
a{
color="#ffffff";
}
body{
font-family: 'Open Sans', sans-serif;
background-image:url("a.jpg");
background-position:center;
background-repeat:no-repeat;
background-size:cover;
}
.box{ background:
white;
width:400px;
border: 1px solid black;
padding:30px 20px 80px 60px;
margin-left: auto;
margin-right: auto;
```

```
transform: translate(-3%,99%);
}

.value{ background:#e
cf0f1; border: #ccc
1px solid;
border-bottom: #ccc 2px solid;
padding-top:5px;
color:#AAAAAA;
color:#000000;
font-size:1em;
border-radius:4px;
}
.bt{ background:#b2
beff; width:125px;
border-radius:4px;
margin-top:10px;
margin-bottom:30px;
float:left;
margin-left:16px;
font-weight:800;
font-size:0.8em;
```

```
}
.cl{
padding:178px 10px 80px 60px;
text-align: center;
}
.bt:hover
{
background-color:grey;
}
</style>
<head>
<title>LOG IN FORM</title>
</head>
<body>
<form method="post" action="sd3.php">
<div class="box">
<p>USERNAME:
<input type="text" placeholder="enter name here" size="28 px" class="value" name="name">
<p>PASSWORD:
<input type="password" placeholder="enter password here" size="28 px" class="value" name="pass" >
<p></p>
```

<input type="submit" value="submit" class="bt">

<button type="reset" value="reset" class="bt">reset</button>

</form>

Forgot your password? <u style="color:#ffffff;">"Click Here!"

</u>

</body>

</html>

Validation.php

<html>

<?php

extract($_POST);

$query="select * from login where name='".$name."' and password='".$pass."'";

if (!($database = mysql_connect("localhost", "root", "")))

die("Could not connect to database");

```
// open Products database
 if ( !mysql_select_db( "test", $database ) )
    die( "Could not open Products database" );

 if ( !( $result = mysql_query( $query, $database ) ) )
{
    print( "Could not execute query! <br />" );
    die( mysql_error() );
}
          $i=0;
    // fetch each record in result sett
    for ( $counter = 0;$row = mysql_fetch_row( $result ); $counter++ )
   {
      foreach ( $row as $key => $value )
      {

        if($i==0)
        print( "The name is $value" );
        else
        print(" and password is $value");

       $i+=1;
```

```
    }
   }

                if($i > 0){

        echo "<script> window.location.assign('new2.html'); </script>";
    }
    else{
        echo "<script type='text/javascript'>alert('failed!')</script>";
    }

     mysql_close( $database );
?>
</html>
```

search.html

```
<html>
<head>
<style type="text/css">
.bt{  background:#b2
beff; width:125px;
border-radius:4px;
```

```
}
body{
font-family: 'Open Sans', sans-serif;
background-image:url("bmm.jpg");
height:100%
background-position:center;
background-repeat:no-repeat;
background-size:cover;
}
.searchTerm
 {          width:
 100%;
 border: 3px solid #ffffff;
  padding: 10px;
  height:           50px;
   border-radius: 5px;
   color: #ffffff;
}
.searchTerm:focus{
   color: #000000
}
.searchButton
 {             position:
```

```
 absolute;       right:
 10px;
width:90px; height:
 27px;
  border: 1px solid #2ecc71;
  background: #ffffff;
  text-align: center;
  color: blue;
  border-radius: 2px;
  cursor:       pointer;
  font-size: 15px;



}
.wrap{ width:
  30%;
  position: absolute;
  top: 50%;
  left: 50%;
  transform: translate(-50%, -50%);
}
.bt:hover
{
```

```
background-color:grey;
}
</style>
</head>
<body>
<form action="index.php" method="post">
<p align="right">
<input type="submit" value="UPLOAD PICS" name="submit" class="bt">
</p>
</form>
<div class="wrap">
  <div class="search">
<form action="new6.php" method="POST">



<input type="text" name="search_entered" value=" placeholder="What are you looking for?"class="searchTerm"/> <br><br>


<input type="submit" name="submit" value="Search" class="searchButton"/><br><br>
      <i class="fa fa-search"></i>
</button>


</form>
```

```
</div>
</div>
</body>
</html>
```

index.php

```
<?php
/*
  @author: Shahrukh Khan
  @website: http://www.thesoftwareguy.in
  @facebook fanpage: https://www.facebook.com/Thesoftwareguy7
 */
error_reporting(E_ALL & ~E_NOTICE);
@ini_set('post_max_size', '64M');
@ini_set('upload_max_filesize', '64M');

/* * ********************************************** */
// database constants
define('DB_DRIVER', 'mysql');
define('DB_SERVER', 'localhost');
define('DB_SERVER_USERNAME', 'root');
define('DB_SERVER_PASSWORD', '');
define('DB_DATABASE', 'image_test');

$dboptions = array(
```

```
    PDO::ATTR_PERSISTENT => FALSE,
    PDO::ATTR_DEFAULT_FETCH_MODE => PDO::FETCH_ASSOC,
    PDO::ATTR_ERRMODE => PDO::ERRMODE_EXCEPTION,
    PDO::MYSQL_ATTR_INIT_COMMAND => 'SET NAMES utf8',
);


try {
  $DB = new PDO(DB_DRIVER . ':host=' . DB_SERVER . ';dbname=' . DB_DATABASE, DB_SERVER_USERNAME, DB_SERVER_PASSWORD, $dboptions);
} catch (Exception $ex)
  { echo $ex-
  >getMessage(); die;
}


?>
<!DOCTYPE html>
<html>
  <head>
    <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <meta name="keywords" content="php, mysql, thumbnail,upload image, check mime type">
    <title>Upload multiple images </title>
```

```
<link rel="stylesheet" href="style.css" type="text/css" />
<style>
.files{height: 30px; margin: 10px 10px 0 0;width: 250px; }
.add{ font-size: 14px; color: #EB028F; border: none; }
.rem a{ font-size: 14px; color: #f00; border: none; }
.submit{width: 110px; height: 30px; background: #6D37B0; color: #fff;text-
align: center;}
</style>
<script language="javascript" type="text/javascript">
window.onload = function () {
var fileUpload = document.getElementById("fileupload");
fileUpload.onchange = function () {
if (typeof (FileReader) != "undefined") {
var dvPreview = document.getElementById("dvPreview");
dvPreview.innerHTML = "";
var regex = /^([a-zA-Z0-9\s_\\.\-:])+(.jpg|.jpeg|.gif|.png|.bmp)$/;
for (var i = 0; i < fileUpload.files.length; i++) {
var file = fileUpload.files[i];
if (regex.test(file.name.toLowerCase()))
{ var reader = new FileReader();
reader.onload = function (e) {
var img = document.createElement("IMG");
img.height = "100";
```

```
                img.width     =     "100";
                img.src = e.target.result;
                dvPreview.appendChild(img);
            }
            reader.readAsDataURL(file);
        } else {
            alert(file.name + " is not a valid image file.");
            dvPreview.innerHTML = "";
            return false;
        }
    }
  } else {
      alert("This browser does not support HTML5 FileReader.");
  }
 }
};
</script>
</head>
<body>
  <div id="container">
    <div id="body">
      <div class="mainTitle" >Upload images</div>
      <div class="height20"></div>
```

```
<article>
  <?php echo $msg; ?>
  <div class="height20"></div>
  <div style="width: 380px; margin: 0 auto;">
   <h3 style="text-align: center;">Image will be resized to 100px X 100px
</h3>
   <form name="f1" action="upload.php" method="post"
enctype="multipart/form-data">
    <fieldset>
     <legend>Demo1</legend>
     Attach multiple Files:
          <input type="file" name="files[]" multiple ><br><br><div
class="height10"></div>
               <div></div>
    </fieldset>
        </br>
        Enter the name of the Event:
        <input type="text" name="fname" required/>
        </br>
        </br>
        Enter the Venue of the Event:
        <input type="text" name="lname" required/>
        </br>
        </br>
```

```
Enter the Cheif Guest of the Event:
<input type="text" name="guest"/>
</br>
</br>
Enter the department that conduct the Event:
<select name="aa" id="dropdownlist" onchange()=fun() >
        <option value="Default">Default</option>
        <option value="Mech">Mech</option>
        <option value="EEE">EEE</option>
        <option value="ECE">ECE</option>
        <option value="CSE">CSE</option>
        <option value="IT">IT</option>
        <option value="FT">FT</option>
        <option value="other">others</option>
</select>
</br>
</br>
Enter the coordinatoors of the Event:
<input type="text" name="Coordinators"/>
</br>
</br>
<input type="submit" name="submit" value="UPLOAD"/>
</form>
```

```
        <div style="width: 380px; margin: 0 auto;">
                    </div>
        </div>

        <div class="height10"></div>
</article>
        </div>
        <hr />
<b>Live Preview</b>
<br />
<br />
<div id="dvPreview">
</div>
</body>
</html>
<?php

function errorMessage($str) {
 return '<div style="width:50%; margin:0 auto; border:2px solid #F00;padding:2px; color:#000; margin-top:10px; text-align:center;">' . $str . '</div>';
}
```

```
function successMessage($str) {
 return '<div style="width:50%; margin:0 auto; border:2px solid #06C;padding:2px; color:#000; margin-top:10px; text-align:center;">' . $str . '</div>';
}
?>
```

Upload.php

```
<?php
/*
  @author: Shahrukh Khan
  @website: http://www.thesoftwareguy.in
  @facebook fanpage: https://www.facebook.com/Thesoftwareguy7
 */
error_reporting(E_ALL & ~E_NOTICE);
@ini_set('post_max_size', '64M');
@ini_set('upload_max_filesize', '64M');

/* * ********************************************** */
// database constants
define('DB_DRIVER', 'mysql');
define('DB_SERVER', 'localhost');
define('DB_SERVER_USERNAME', 'root');
define('DB_SERVER_PASSWORD', '');
```

```
define('DB_DATABASE', 'image_test');


$dboptions                                    =
   array(   PDO::ATTR_PERSISTENT   =>
   FALSE,
   PDO::ATTR_DEFAULT_FETCH_MODE => PDO::FETCH_ASSOC,
   PDO::ATTR_ERRMODE      =>      PDO::ERRMODE_EXCEPTION,
   PDO::MYSQL_ATTR_INIT_COMMAND => 'SET NAMES utf8',
);


try {
  $DB = new PDO(DB_DRIVER . ':host=' . DB_SERVER . ';dbname=' .
DB_DATABASE, DB_SERVER_USERNAME, DB_SERVER_PASSWORD,
$dboptions);
}  catch  (Exception  $ex)
  {          echo          $ex-
  >getMessage(); die;
}


?>
<!DOCTYPE html>
<html>
  <head>
    <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
```

```
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <meta name="keywords" content="php, mysql, thumbnail,upload image, check mime type">
    <title>Upload multiple images </title>
    <link rel="stylesheet" href="style.css" type="text/css" />
    <style>
      .files{height: 30px; margin: 10px 10px 0 0;width: 250px; }
      .add{ font-size: 14px; color: #EB028F; border: none; }
      .rem a{ font-size: 14px; color: #f00; border: none; }
      .submit{width: 110px; height: 30px; background: #6D37B0; color: #fff;text-align: center;}
    </style>
    <script language="javascript" type="text/javascript">
window.onload = function () {
    var fileUpload = document.getElementById("fileupload");
    fileUpload.onchange = function () {
        if (typeof (FileReader) != "undefined") {
            var dvPreview = document.getElementById("dvPreview");
            dvPreview.innerHTML = "";
            var regex = /^([a-zA-Z0-9\s_\\.\-:])+(.jpg|.jpeg|.gif|.png|.bmp)$/;
            for (var i = 0; i < fileUpload.files.length; i++) {
                var file = fileUpload.files[i];
if (regex.test(file.name.toLowerCase())) {
```

```
                var reader = new FileReader();
                reader.onload = function (e) {
                    var img = document.createElement("IMG");
                    img.height = "100";
                    img.width     =     "100";
                    img.src = e.target.result;
                    dvPreview.appendChild(img);
                }
                reader.readAsDataURL(file);
            } else {
                alert(file.name + " is not a valid image file.");
                dvPreview.innerHTML = "";
                return false;
            }
        }
    } else {
        alert("This browser does not support HTML5 FileReader.");
    }
  }
};
</script>
</head>
<body>
```

```
<div id="container">
  <div id="body">
    <div class="mainTitle" >Upload images</div>
    <div class="height20"></div>
    <article>
      <?php echo $msg; ?>
      <div class="height20"></div>
      <div style="width: 380px; margin: 0 auto;">
        <h3 style="text-align: center;">Image will be resized to 100px X 100px
</h3>
        <form name="f1" action="upload.php" method="post"
enctype="multipart/form-data">
          <fieldset>
            <legend>Demo1</legend>
            Attach multiple Files:
                <input type="file" name="files[]" multiple ><br><br><div
class="height10"></div>
                    <div></div>
          </fieldset>
              </br>
              Enter the name of the Event:
              <input type="text" name="fname" required/>
              </br>
              </br>
```

Enter the Venue of the Event:

<input type="text" name="lname" required/>

</br>

</br>

Enter the Cheif Guest of the Event:

<input type="text" name="guest"/>

</br>

</br>

Enter the department that conduct the Event:

<select name="aa" id="dropdownlist" onchange()=fun() >

<option value="Default">Default</option>

<option value="Mech">Mech</option>

<option value="EEE">EEE</option>

<option value="ECE">ECE</option>

<option value="CSE">CSE</option>

<option value="IT">IT</option>

<option value="FT">FT</option>

<option value="other">others</option>

</select>

</br>

</br>

Enter the coordinatoors of the Event:

<input type="text" name="Coordinators"/>

```
                </br>
                </br>
                <input type="submit" name="submit" value="UPLOAD"/>
                </form>
          <div style="width: 380px; margin: 0 auto;">
                    </div>
        </div>

        <div class="height10"></div>
</article>
        </div>
        <hr />
<b>Live Preview</b>
<br />
<br />
<div id="dvPreview">
</div>
</body>
</html>
<?php

function errorMessage($str) {
```

```
 return '<div style="width:50%; margin:0 auto; border:2px solid #F00;padding:2px; color:#000; margin-top:10px; text-align:center;">' . $str . '</div>';

}


function successMessage($str) {

 return '<div style="width:50%; margin:0 auto; border:2px solid #06C;padding:2px; color:#000; margin-top:10px; text-align:center;">' . $str . '</div>';

}

?>
```

Dbconfig.php

```
<?php

// Database configuration

$dbHost     = "localhost";

$dbUsername = "";

$dbPassword = "";

$dbName     = "test";


// Create database connection

$db = new mysqli($dbHost, $dbUsername, $dbPassword, $dbName);


// Check connection

if ($db->connect_error) {
```

```
    die("Connection failed: " . $db->connect_error);
}
?>
```

New6.php

```
<html>
<head>
<style>
.hi{ width:135
0px;
border:2px solid blue;
padding:10px;
margin:10px;}
img{ width:2
30px;
border:5px solid blue;
padding:10px;
margin:10px;
}
</style>
<body>
<div class="hi">
<?php
   $dbhost = 'localhost';
```

```
$dbuser = '';

$dbpass = '';


$conn = mysql_connect($dbhost, $dbuser, $dbpass);


if(! $conn ) {

  die('Could not connect: ' . mysql_error());

}

$name=$_POST['search_entered'];

$name=strtoupper($name);

$sql = "SELECT * FROM logs where event LIKE '$name%' or venue LIKE '$name%' or guest LIKE '$name%' or dept LIKE '$name%' or coordinators LIKE'$name%'";

  //$sql = "SELECT * FROM logs where name LIKE '$name%'";

mysql_select_db('test');

$retval = mysql_query( $sql, $conn );


if(! $retval ) {

  die('Could not get data: ' . mysql_error());

}

//$dir="uploads/"

 while($row = mysql_fetch_array($retval, MYSQL_ASSOC)) {

  //echo '<img src="{$row['img']}" width="200" height="200" />';
```

```
        echo "<img src=\"uploads/".$row['file_name']."\" width=200 height=200>";
    }

    //echo "Fetched data successfully\n";

    mysql_close($conn);
?>
</div>
</body>
</html>
```

REFERENCES

R.Senthil Kumar et al., proposed a improved method for content based system used for medical field.

Ms. Anchal et al., proposed various methods of CBIR. A.R. Mahajan et al., proposed the numerous kinds of images with advancements in medicine and image technology.

Neha provided a Comprehensive Review on CBIR and Image Retrieval work giving a detailed review of the traditional and modern CBIR.

Ashish Mohan Yadav et al proposed fundamental techniques for CBIR along with features and matching function measurement.

Amit Singh et al., described the different methods used for content retrieval.

Jahnavi Shukla et al., described all feature extraction methods i.e., color, shape, texture and the researchers can combine any of these methods to get highest Precision and Recall by testing various combinations.

Zobiar Raisi et al., applied CBIR using CR algorithms for providing services to tourism using network and internet.

Banuchitra et al., presented the goal of the survey to provide an overview of the functionality of CBIR. Various features and their method of representations are described.

Ricardoda Silva Torres et al., proposed content based information retrieval approach and proved the existence of automatic retrieval process.

R. Priyatharshini , S. Chitrakala,"Association based Image retrieval: A survey,"Springer-Verlag Berlin Heidelberge, pp. 17-26, 2013

Vaishali D. Dhale , A. R. Mahajan, Uma Thakur, "A Survey of Feature Extraction Methods for Image Retrieval," International Journal of Advanced

Research in Computer Science and Software Engineering, Volume 2, Issue 10, October 2012 ISSN: 2277 128X.

Alaa M. Riad, Hamdy.K. Elminir, SamehAbd-Elghany, "A Literature Review of Image Retrieval based on Semantic Concept," International Journal of Computer Applications (0975 – 8887) Volume 40– No.11, February 2012

GulfishanFirdose Ahmed, RajuBarskar,"A Study on Different Image Retrieval Techniques in Image Processing," International Journal of Soft Computing and Engineering (IJSCE), ISSN: 2231-2307, Volume-1, Issue-4, September 2011 HuiHui Wang, DzulkifliMohamad, N.A. Ismail "Approaches, Challenges and Future Direction of Image Retrieval," Journal of Computing, Volume 2, Issue 6, June 2010, ISSN 2151-9617

The Author X. Li et.al. , Explained the idea is to understand and learn how relevant to the image from tagging behaviors of visual neighbors of that image. In particular, The algorithm estimates how tag is relevant by counting neighbor votes on tags and the tag refinement technique issued to improve the effectiveness of image tag recommendation for non-tagged images.

Yang et.al. explained major approaches in solving the diversity problem. However, the essence of social images is ignored. The social images uploaded by users and tagged by them self are user oriented. These images which has the same user and annotated with same input query are always taken in a fixed amount of time at a specific spot. It is known that, images taken in the same time interval and fixed spot are fairly similar. To diversify the top ranked search results, it's better to re-rank the results by removing the duplicate images uploaded by the same user.

Author L. Chen proposed a relevance-quality ranking method considering both image relevance and quality. First, a relevance-based ranking scheme is

used to automatically rank images according to their relevance to the input query tag, which returns the relevance scores based on both the image visual similarity and the semantic consistency of associated tags.

Author D. Liu et. al. proposed a two-step similarity ranking solution which retrieves interactive images. First it works on visual similarity and then develop a semantic-based similarity re-ranking method to address the dislocation problem.