

PROFESSIONAL TRAINING REPORT
at
Sathyabama Institute of Science and Technology
(Deemed to be University)

Submitted in partial fulfillment of the requirements for the award
of Bachelor of Technology Degree in Information Technology

By
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DEPARTMENT OF INFORMATION TECHNOLOGY
SCHOOL OF COMPUTING
SATHYABAMA INSTITUTE OF SCIENCE AND
TECHNOLOGY
JEPPIAAR NAGAR, RAJIV GANDHI SALAI,
CHENNAI – 600119. TAMILNADU

OCTOBER 2020



SCHOOL OF COMPUTING

BONAFIDE CERTIFICATE

This is to certify that this Project Report is the Bonafide work of **SAKTHIVARSHINI.K(38120071)** who carried out the project entitled "ONLINE CHATTING APPLICATION" under our supervision from August 2020 to November 2020.

Internal Guide

Mrs. J.S.Vimali,M.Tech., Ph.D.,

Head of the Department

Dr. R. Subhashini M.E., Ph.D.,

Submitted for Viva voce Examination held on _____

Internal Examiner

External Examiner

DECLARATION

I hereby declare that the Project Report entitled "**ONLINE CHATTING APPLICATION**" done by me under the guidance of Mrs.J.S.Vimali,M.Tech., Ph.D., at Sathyabama Institute of Science and Technology (Deemed to be University), Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai - 600119 is submitted in partial fulfillment of the requirements for the award of Bachelor of Technology degree in Information Technology.

DATE:

Place: Chennai

SIGNATURE OF THE CANDIDATE

ACKNOWLEDGEMENT

I am pleased to acknowledge our sincere thanks to Board of management of **SATHYABAMA** for their kind encouragement in doing this project and for completing it successfully. I am grateful to them.

I convey our thanks to **Dr. T. SASIKALA M.E., Ph.D., Dean, School of Computing** and **Dr. R. SUBHASHINI M.E., Ph.D., Head of the Department, Department of Information Technology** for providing us the necessary support and details at the right time during the progressive reviews.

I would like to express our sincere and deep sense of gratitude to our Project **Mrs.J.S.Vimali,M.Tech, Ph.D.,** for her valuable guidance, suggestions and constant encouragement paved way for the successful completion of my project work.

I wish to express our thanks to all Teaching and Non-teaching staff members of the Department of **INFORMATION TECHNOLOGY** who were helpful in many ways for the completion of the project.

TRAINING CERTIFICATE



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This is to certify that **SAKTHIVARSHINI K** student of **SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY, BTECH/IT** has undergone the Internship Training through online in our concern entitled **PYTHON** from **19th Aug 2020 to 21st Aug 2020** in relevant departments related to their academic studies.

During the above period, the performance was good & we wish great success in all your future endeavours.

Technology drives the world. We are the people who are

J. meru

Authorised Signature



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ABSTRACT

This project is developed to make an online chatting system. This system name is Online Chatting Application. This System may address point to:point communications as well as multicast group message communications from one sender to many receivers. Our system allow the group of people to message for chat) with each other which is a great idea to have fun with friends when they are not closer.

1. INTRODUCTION

Online chatting may refer to any kind of communication over the Internet that offers a real time transmission of a messages from sender to receiver. Chat messages are generally short in order to enable other participants to respond quickly .

Thereby ,a feeling similar to a spoken conversation as well as multicast communications from one sender to many receivers. Online chat is less stringent definition may be primarily any direct text based one-on-one chat or one-to-many .

On the Internet, chatting is talking to other people who are using the Internet at the same time you are Usually, this talking is the exchange of typed in messages requiring one site as the repository for the messages

1.1:OUTLINE OF THE PROJECT:

The purpose of the chat application is to allow users be able to the chat with each others,like a normal chat application.

2.AIM

The main objective of this projects to allow each and every

person can get connect with each other Some other objectives are listed below

- Providing a social platform to users.
- To allow each person to share their thoughts & views
- This System can be used as discussion board
- Connecting people together

2.1: SCOPE

For the scope of the project, the project will be tested as the program is being developed A database for the users registered will be developed and tested, a menu will be developed and tested a client server interface will be developed and tested, for the users benefits When the chat application is near completion more testing will be done in order to make it less buggy or more user friendly .

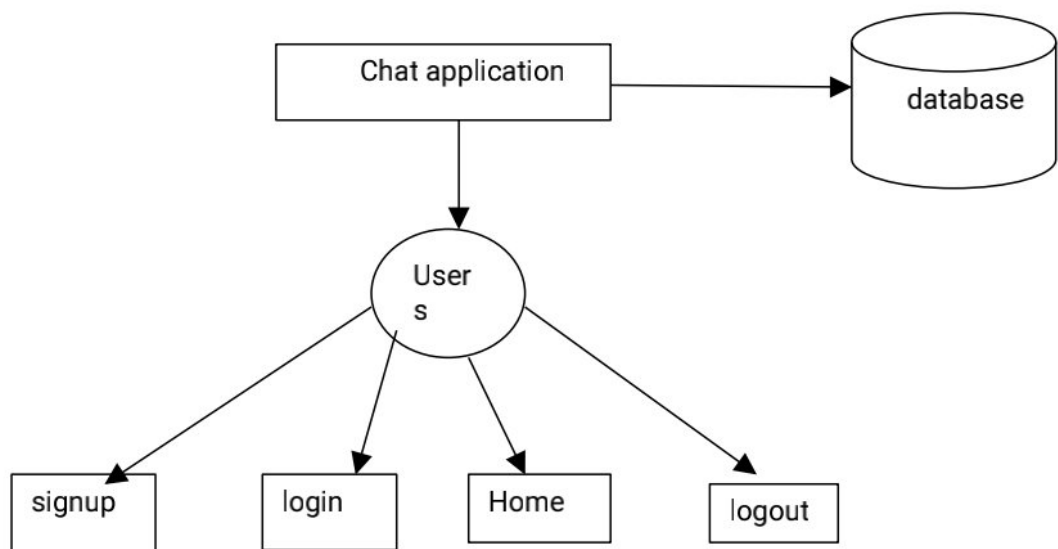
3.OPERATIONAL CONCEPTS:

The first page exists the login and signup page.The user should create an account and login.It will redirected to chatting part. It contains a nich textbox which cannot be edited but only displays the messages from one user to another, including the self sent message, as in any chat application Contains a textbox for messages to be written that is sent across the network, Contains a Send button When the sent button is clicked, in the background, the text in the textbox is encoded and sent as a packet over the network to the client machine. Here this

message is decoded and is shown in the rich textbox. To make it more realistic, the self sent message is shown in the rich textbox as well as it is shown the time and date when was the message sent. Both the messages s differentiated by the help of the identifier name at the beginning of each message in the rich text box LOGOUT

The user exits the software in Logout the chat form,this is when the application is closed

4.DATA FLOW DIAGRAM:



5.SYSTEM REQUIREMENT:

5.1: Hardware specification:

- RAM-2GB
- Hard disk
- Processor-Intel Pentium 4
- Keyboard

5.2: Software specification:

- Window OS
- Visual studio.Net2010(according requirement)
- Visual studio.Net Framework
- SQL Server

6.CODING SECTION AND SCREENSHOTS:

Home.php:

```
<?php
```

```
session_start();
include "db.php";

if (isset($_POST['delete'])) {
    $sql = "delete from posts ";
    $re = $conn->query($sql);
    if (! $re) {
        die("Could not delete message:");
    }
    echo "Deleted data successfully\n";
}

?>
```

```
<!DOCTYPE html>
<html>
    <head>
        <title>Homepage</title>
```

```

    <link rel="stylesheet" type="text/css" href="home.css">
</head>
<body>
<form method="post" action="<?php $_PHP_SELF ?>">
    <div id = "main">
        <h1 style="background-color:
#6495cd;color:white;"><?php echo $_SESSION['name']; ?>-
online</h1>
        <div class = "output">
            <?php

            $sql = "select * from posts";

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

            if($result->num_rows >= 0)
            {
                while($row = $result->fetch_assoc()){
                    echo "" . $row['name'], " " . ":" . $row['msg']. " --
" . $row['date']. " <br>";
                    echo "<br>";
                    echo "<input name='delete' value='Delete'

```

```
type='submit'>;
```

```
}
```

```
}
```

```
else{
```

```
    echo " 0 results";
```

```
}
```

```
$conn->close();
```

```
?>
```

```
</form>
```

```
</div>
```

```
<form action="send.php" method = 'post' >
```

```
    <textarea name="msg" placeholder="Type to send  
message...." class = "form-control"></textarea>
```

```
<br>
```

```
<input type = "submit" value = "Send">
```

```
</form>

<br>

<form action="logout.php" >
    <input style="width: 100%;background-
color:#6495cd;color:white;font-size: 20px;" type="submit"
value="Logout">

</form>

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

Home.css:

```
#main{

    height: 455px;
    background-color: white;
    margin-top: 70px;
}
```

```
.output{
    background-color: white;
    box-shadow: 0px 1px 1px #bbb;
    height: 250px;
    margin-bottom: 20px;
    overflow:scroll;
}
h1{
    list-style: none;
}
input[type=submit]{
    width: 100px;
    box-sizing: border-box;
    border:4px solid #6495cd;
    border-radius: 4px;
}
textarea{
    background-color: #dcdcdc;
    width : 350px;
}
body{
    background-color: purple;
```

```
}
```

Index.php:

```
<html>
<head>
<title>Web Chat</title>
<link rel="stylesheet" type = "text/css" href="style.css">
</head>
<body>
  <div id = 'main'>
    <div id = 'info'>
      <h2>login here</h2>
      <form action = 'login.php' method = 'post'>
        <label><b>Username</b></label>
        <input type = "text" name='uname' placeholder="User
name"><br><br>
        <label><b>Password</b></label>
        <input type = "text" name='pass'
placeholder="Password"><br><br>
        <button style="background-color: #6495ed; color:white"
type="submit"><b>Login</b>
      </button>
    </form>
```

```
<form action='signup.php' method = 'post'>

<h2>Don't have an account sign up here</h2>

<label>Username : </label>

<input type = "text "name='uname'
placeholder="Username" ><br><br>

<label>Email Id :</label>

<input type = "email " name=" Email"
placeholder="Email"><br><br>

<label>Password :</label>

<input type = "text " name = " Password"
placeholder="Password"><br><br>

<button style="background-color: #6495ed; color:white"
type="submit"><b>Signup</b>

</button>

</form>

</div>
```

```
</div>
```

```
</body>
```

```
</html>
```

Login.php:

```
<?php
```

```
session_start();
```

```
include 'db.php';
```

```
$uname = $_POST['uname'];
```

```
$pass = $_POST['pass'];
```

```
$sql = "select * from signup where username = '$uname' and  
password = '$pass'";
```

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

```
if (!$row=$result->fetch_assoc()){
```

```
    header("Location:error.php");
```

```
}
```

```
else{
```

```
$_SESSION['name'] = $_POST['uname'];
```

```
header("Location:home.php");
```

```
}
```

```
?>
```

Logout.php:

```
<?php
```

```
session_start();
```

```
session_destroy();
```

```
header("Location:index.php");
```

```
?>
```

Send.php:

```
<?php
```

```
session_start();
```

```
include "db.php";
```

```
$msg = $_POST['msg'];
```

```
$name = $_SESSION['name'];
```

```
$_SESSION = $_POST['msg'];
```

```
$sql = "insert into posts(msg,name) values('$msg','$name')";
```

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

```
header("Location:home.php");
```

```
?>
```

Sess.php:

```
<?php
```

```
session_start();
```

```
if(isset($_SESSION['name'])){\
```

```
    echo $_SESSION['name'];  
}
```

```
?>
```

Signup.php:

```
<?php
```

```
include 'db.php';  
$uname = $_POST['uname'];  
$email = $_POST['Email'];  
$pass = $_POST['Password'];
```

```
$sql = "insert into signup(username,email,password) values  
('$uname','$email','$pass')";  
$result = $conn->query($sql);
```

```
header("Location:index.php");
```

?>

style.css:

```
body{  
    background-color: rebeccapurple;  
    text-align: center;  
}
```

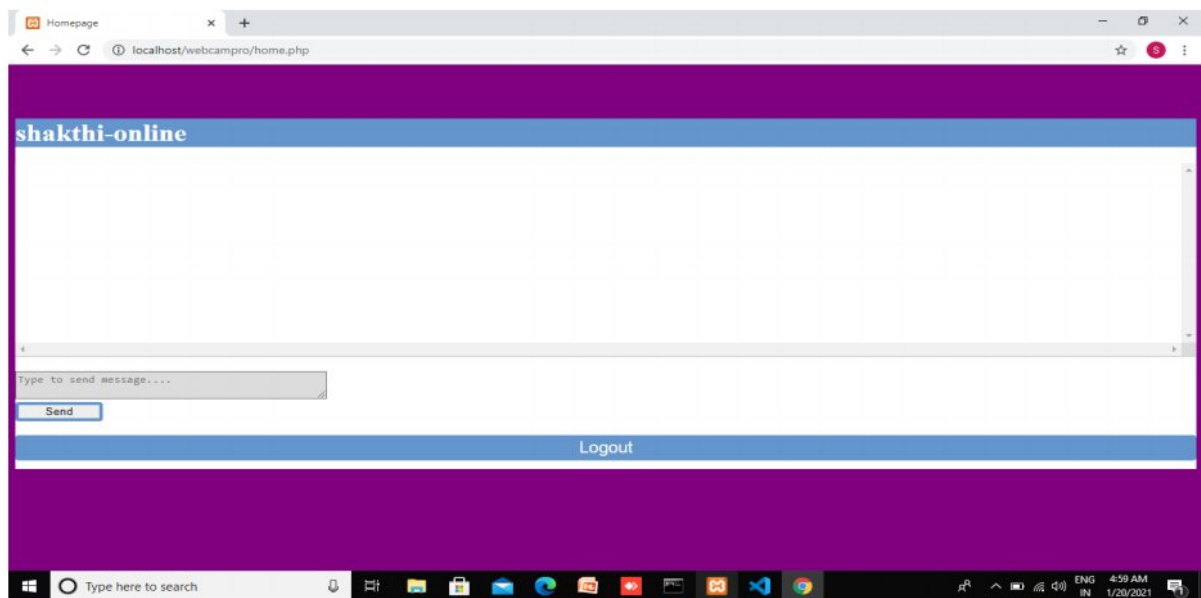
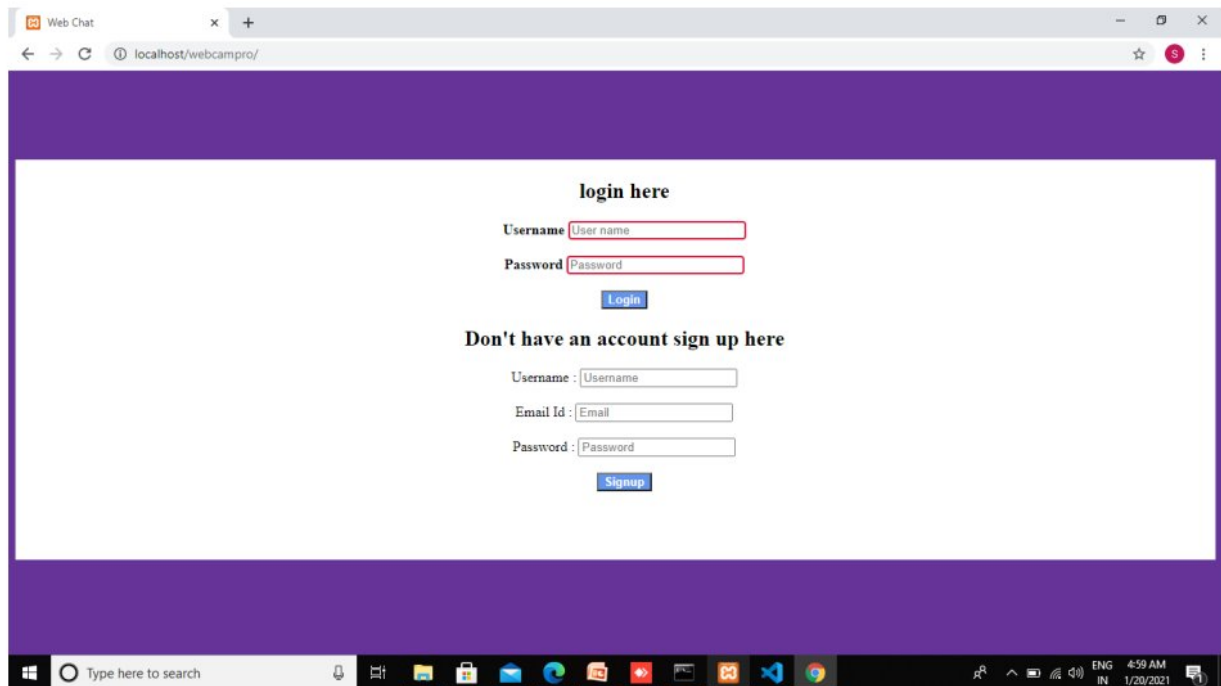
```
#main{  
  
    height: 450px;  
    background-color: white;  
    margin-top: 100px ;  
  
}
```

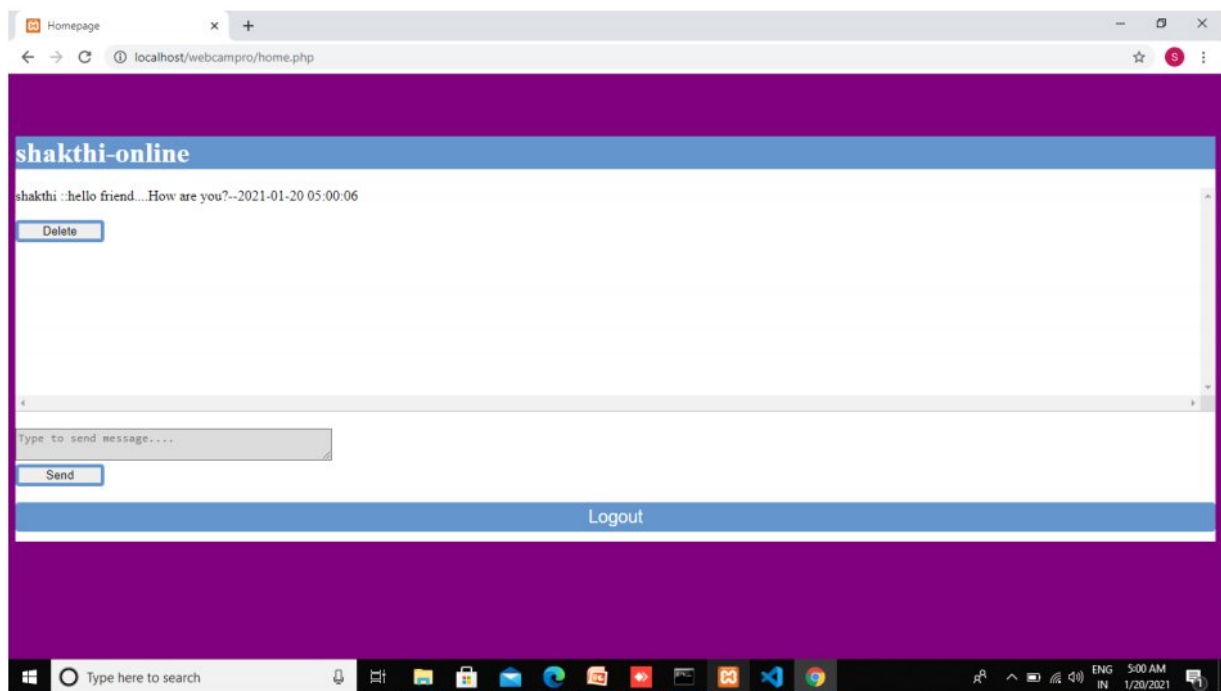
```
#info{  
  
    margin-left: 20px;  
    padding-top: 2px;
```

```
}  
input[type=text]{  
    width: 200px;  
    box-sizing: border-box;  
    border: 2px solid #dc143c;  
    border-radius: 4px;  
}
```

db.php:

```
<?php  
$conn = mysqli_connect("localhost","root","","webcam");  
if(!$conn){  
    die("connection failed".mysqli_connect_error());  
}  
?>
```





7.CONCLUSION:

This project is made for Small Scale communication but if we implement t new technologies & features in this system, it will be able to compete with other online chatting websites or application

REFERENCE:

PHP: <https://www.w3schools.com/php/>

CSS: <https://www.w3schools.com/w3css/defaultT.asp>