PRIVATE HOSTEL ASSISTANT

A REPORT ON PROJECT BASED LEARNING (SEMESTER -II)

Submitted by

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FIRST YEAR ENGINEERING



Society for Computer Technology and Research's

PUNE INSTITUTE OF COMPUTER TECHNOLOGY

DHANKAWADI, PUNE – 43

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CERTIFICATE

This is to certify that the report entitled **Private Hostel Assistant**Submitted by

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Is a bonafide work carried out by them under the supervision of Mr. E. M. Reddy and it is approved for the partial fulfilment of the requirement of Project-Based Learning for FE for the award of the Degree of Bachelor of Engineering.

Mr. E. M. Reddy

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Place: Pune Date:

ABSTRACT

This project is useful to all the students who comes from outside Pune or who lives far away from PICT College. As PICT hostels having limited capacity of students will have to find private hostel for their accommodation to facilities them we have developed a website, that can helps students have to find the private hostels, so we tried to develop a website that can help the students to get all the information of private hostels near PICT College.

This website will provide all information as per the requirement of students and their parents. It is very easy to get you all the information in one click only. We have taken many reviews from the students who lived and have experience of living in private hostels. We provided details of almost all hostels near PICT College.

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INDEX

Chapter No.	Title	Page No.
	Abstract	
	Acknowledgement	
	Introduction	
1	1.1 Introduction to Project	
	1.2 Objective	
	Literature Survey	
2	2.1 Origin Of Concept	
	2.2 Existing System	
3	Information Gathering	
	System Environment	
4	Hardware Configuration	
	Software Configuration	
	System Design	
5	5.1 Process Design	
	Important Course	
	6.1 Login and Registration System	
6	6.2 Style sheet For Login And Registration Page	
	6.3 Connection File	
	6.4 Explore Tab code	
7	Implementation	
8	References	

9	Conclusion	

LIST OF FIGURES

Figure No.	Title	Page No.
3.1	Information Gathering(Sample 1)	
3.2	Information Gathering(Sample 2)	
3.3	Information Gathering(Table of information)	
4.1	System Design	
4.2	UML Diagram	
4.3	Flowchart Conventions	
4.4	Login Process Flowchart	
4.5	Registration Database	
6.1	Login Page	
6.2	Registration Page	
6.3	Home Page	
6.4	Explore Page	

Chapter 1

INTRODUCTION

1.1 Introduction to Project

As PICT hostel having limited capacity of seats, students will have to find private hostel for their accommodation. Finding a private hostel near PICT College is a difficult task. It involves too much time. Even if they get it by any ways, sometimes it may not suitable for student as their expectations about facilities and price. So we decided to work on a website related to private hostels near PICT College. We have got 20 private hostels near PICT College, which consist of 15 boy's hostel and 5 girl's hostel. In this website we provided a sufficient data of respective private hostel as follow:-

- Name
- Contact
- Fees
- Address
- AC rooms
- Available for Boys or Girls
- Hot Water
- Occupancy Option- Twin Sharing, Single room bed, triple Sharing
- Single Bed per Head
- Private Cupboard
- Wi-fi
- CCTV Surveillance
- Purified drinking water(RO)

- Cleaning of rooms
- Gate opening/closing Time

Why we choose this project?

When we were admitted to the college, we had a hard time for finding private hostels or PG's outside the campus. We wasted a lot of time for finding private hostels.

This is a major problem that new students face when they enter in college. They waste lot of time and money for finding the accommodation. We thought that, it's a time to find easy solution on this problem.

Objectives:-

- 1. Helping the students to compare and find the hostels for free.
- 2. No middleman will be involved. So students will be saving the brokerage.
- 3. Students just need an Internet connection for finding and comparing among hostels.
- 4. Time, money and energy is saved while searching and visiting all hostels.
- 5. Students will be able to compare and select the hostel on basis of pricing and facility among a large number of hostels available on the website.
- 6. Our team will try to locate all the hostels nearby PICT by visiting them and gathering the info physically instead of using any form.
- 7. Hostel owners will be able to reach out to a large group of consumers simply by listing their hostel on a website. This will also save their efforts of finding customers which they do by distributing their visiting cards.

Chapter 2

LITERATURE SURVEY

2.1Origin of Concept:

As the number of colleges were increasing day by day the demands for private hostels and PG's started increasing as per needs of students and the brokers or middlemen started taking advantage of unawareness of students and parents regarding the quality and services. Then some of the hostel companies arrived and tried to privatize this domain.

As we searched for our hostels and rooms, we faced issues regarding brokerage and lost of time and energy at the same time. That has given us

2.2 Existing System:

2.2 Existing System		X 7	A. (01.	G /D 11
Title	Author	Year	Aim/Objective	Gaps/Proble
Hostel Finder	Karan Patel	June	Goal of the	Maintenance
Web		2020	system is to	of web
Application[4]			increase	application i
			quality of	not up-to-dat
			education	
			system, it	
			allows student	
			to find hostels	
			on basis of	
			their location	
			and area.	
			Hostel owners	
			gets to	
			showcase their facilities and	
			services or	
			types of rooms	
			available at	
			their place.	
Hostel	Mohammed	2009	A software	It is
				working
Management	Shahir		developed for	only for
System[1]			managing	allocatii
				the
			various	rooms a
				not
			activities in	for dinii
			the hostel,	options
			allocating	also not
			rooms.	vicinity PICT.

Chapter 3 INFORMATION GATHERING

As related to this project, we done offline and online survey. We have visited more than 20 hostels physically out of which we visited 15+ boys and 6+ girl's hostels. We have collected the genuine information of hostels as follows: Example,

- Name-Trion Boys Hostel
- · Contact- 8208572314
- · Fees- Rs.6000 per month
- Address-TRION Boys Hostel, Lane no.1, Chandrabhaga nagar, Dhankawadi, Pune, Maharashtra 411046
- · AC rooms- Available
- · Available for Boy's
- Hot Water
- Occupancy Option- Twin Sharing, Triple room bed
- Single Bed per Head
- Private Cupboard Available
- Wifi Available
- CCTV Surveillance
- · Purified drinking water(RO)
- · Rooms are cleaned daily
- Gate opening Time- 5 am
- Gate closing time- 11.30 pm
- Location





Fig 3.1

- Name-S.K. Girls hostel
- Contact- 9822100929
- Fees- Rs.3500 per month
- Address- A-7/2, near PICT college and <u>Bharati Vidyapeeth</u> college, <u>Rajmudra</u> Society, <u>Chandrabhaga</u> Nagar, <u>Dhankawadi</u>, Pune, Maharashtra 411046
- AC rooms- Not Available
- Available for Girl's
- Hot Water
- Occupancy Option- Twin Sharing, Single room bed, Triple Sharing
- Single Bed per Head
- Private Cupboard Available
- Wifi Available
- CCTV Surveillance
- Purified drinking water(RO)
- · Rooms are cleaned daily
- Gate opening Time- 6 am
- Gate closing time- 10 pm
- Location





Fig 3.2

Also we have done an online survey in which we received well responses from PICT students as follows,

Email Address	Name Of hostel	Contact	Fees per month	Address	AC rooms	Available for	Hot Water	Occupancy	Private Cupboard	Wfi	Purified Drinking Water	Gate Opening time	Gate Closing Time
	Gurukul Boys Hostel	77,987,253,268,624,000,		Address- Sr No.33, Chow	Not Available	Boys	Available		Available	Available	Available	6:00:00 AM	11:00:00 F
Prathamesh@gmail.com	S k girls hostel	9822100929	2500	A-7/2, near PICT College	Not Available	Girls	Available	Single bed room, Twin st	Available	Available	Available	6:00:00 AM	10:00:00 P
oragatijadhav125@gmail.	Sahara boy's Hostel	9975457776, 860004150	3000	Chandrabhaga nagar dha	Not Available	Boys	Available	Twin sharing	Available	Available	Available	6:00:00 AM	10:00:00 P
sureshp542@gmail.com	Omkar Boy's hostel	9763236100	3000	34/4, Tanaje Nagar, Moha	Not Available	Boys	Available	Single bed room, Twin sl	Available	Available	Available	6:00:00 AM	10:00:00 P
aryangupta2003@gmail.c	Dinanath Boys Hostel	9022042206	3500	120/0, House No.70, San	Not Available	Boys	Available	Single bed room, Twin sl	Available	Not Available	Available	6:00:00 AM	10:00:00 P
ohanlande564@gmail.co	Aditya Hostel	9560053221	3000	"Purvansh Sadan", Sr.No.	Available	Boys	Available	Single bed room, Twin si	Available	Available	Available	6:00:00 AM	11:00:00 P
saurabhmore433@gmail.	Rupesh Boys hostel	8149182492	2500	Sr.No.37/17, Saichhaya B	Not Available	Boys	Available	Single bed room, Triple s	Available	Available	Available	6:00:00 AM	11:00:00 P
mohandeshmukh43@gma	Trion Boys Hostel	8208572314	6000	TRION Boys Hostel, Lane	Available	Boys	Available	Twin sharing, Triple shar	r Available	Available	Available	5:00:00 AM	11:00:00 P
sumitp245@gmail.com	Trion Boys Hostel	8208572314	6000	TRION Boys Hostel, Lane	Not Available	Boys	Available	Twin sharing, Triple shar	r Available	Available	Available	5:00:00 AM	11:00:00 P
swaruppawar32@gmail.c	Aditya Hostel pune	9560053221	3000	"Purvansh Sadan", Sr.No.	Not Available	Boys	Available	Single bed room, Twin si	: Available	Available	Available	5:00:00 AM	11:00:00 P

Fig 3.3

Chapter 3 SYSTEM ENVIRONMENT

3.1 Hardware Configuration:

- 1) Intel processor i3 6006U
- 2) 4 GB Ram
- 3)256 GB SSD
- 4)1024*768 Resolution color Display

3.2 Software Configuration:

- 1) OS: Windows 10
- 2) Browser: Google Chrome
- 3) XAMPP(cross-platform, Apache, MySQL, PHP and Perl)
- 4) HTML: HTML is used to create and save web document. E.g. Notepad/Notepad++
- 5) CSS: (Cascading Style Sheets) Create attractive Layout

Chapter 4
SYSTEM DESIGN

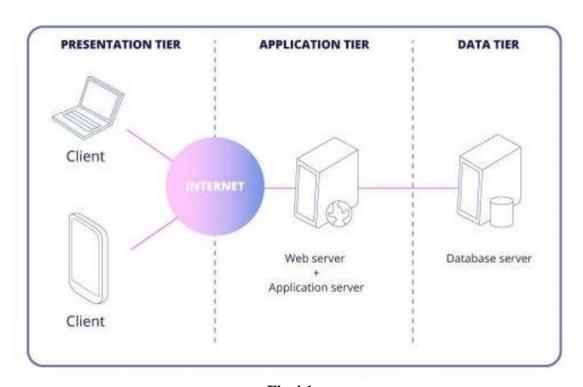
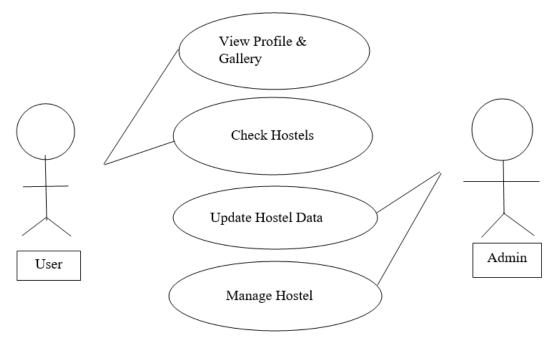


Fig 4.1 UML DIAGRAM:



4.1 Process Design:-

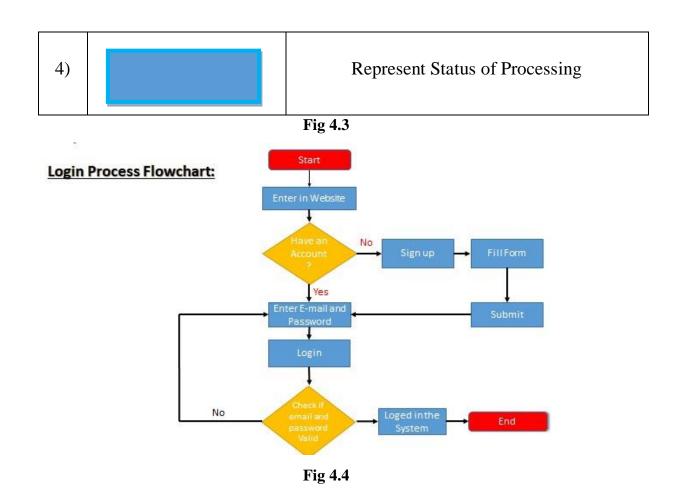
Process design plays an important role in project development. In order to understand the working procedure, process design is necessary. Data Flow Diagram and System Flow chart are the tools used for process design.

System Flow Chart is a graphical representation of the system showing the overall flow of control in processing at the job level; specifies what activities must be done to convert from a physical to logical model.

Data Flow Diagram is the logical representation of the data flow of the project. The DFD is drawn using various symbols. It has a source and a destination. The process is represented using circles and source and destination are represented using squares. The data flow is represented using arrows. One reader can easily get the idea about the project through Data Flow Diagram.

SYMBOLS USED IN DATA FLOW DIAGRAM:-

1)		Source rectangle, which defines start or destination
2)	-	Arrow Represent data flow
3)		Rhombus shows Conditions for loops



Student account creation:-

Field Name	Data type	Description
Student Name	Varchar	Name of the student
Email-ID	Varchar	Email of the student

User Name	Varchar	Username of the student
Password	Varchar/ Integer	Password to use

Fig 4.5

Chapter 5 Important codes

Here are some important codes we used in website development

5.1 Login and registration system:

```
1) <?php
2) /*include connection file */
3) include "connection.php";
4) // require_once('connection.php')
5) //define variables and initialize with empty values
6) $1_username = $1_password = "";
7) $1_username_errr = $1_password_err = "";
8) //processing from data when form is submitted for login
9) if($_SERVER["REQUEST_METHOD"] == "POST" &&
   isset($_REQUEST["l_submit"])){
10)
       // check if username is empty
       if(empty(trim($_REQUEST["l_username"]))){
11)
12)
           $1_username_err = "please enter username.";
13)
14)
       }else{
15)
           $1_username= trim($_REQUEST["1_username"]);
16)
17)
       // check is password is empty
18)
       if(empty(trim($_REQUEST['l_password']))){
           $1 password err = "please enter your password";
19)
20)
21)
       }else{
22)
           $1_password = trim($_REQUEST['1_password']);
23)
24)
       // validate all credentials
       if(empty($1_username_err) && empty($1_password_err)){
```

```
26)
           // preapre a select statement
27)
           $sql = "SELECT id, username, password FROM users WHERE
   username = ?";
           if($stmt = mysqli prepare($con, $sql)){
28)
29)
               // Bind variables to the prepared statement as
   parameters
               mysqli stmt_bind_param( $stmt, "s", $param_l_username);
30)
31)
32)
               // set variables
33)
               $param_1_username = $1_username;
34)
35)
               // attempt to execute the preapred sttatement
               if(mysqli_stmt_execute($stmt)){
36)
37)
38)
                   mysqli stmt store result($stmt);
39)
40)
                   // check if username exist, if yes then verify the
   passowrd
41)
                   if(mysqli stmt num rows($stmt) == 1){
42)
                        // Bind result variables
                        mysqli_stmt_bind_result($stmt, $id,
43)
   $1_useraname, $hashed_password);
44)
                        if(mysqli_stmt_fetch($stmt)){
45)
                            if(password verify($1 password,
   $hashed_password)){
46)
                                // password is correct so start new
   session
                                session_start();
47)
48)
49)
                                $_SESSION['loggedin'] ==true;
50)
                                $_SESSION['id'] = $id;
                                $_SESSION['l_username'] = $l_username;
51)
52)
                                // REDIRECTING TO USER WECOME PAGE
53)
   header('C:\Users\Lenovo\Desktop\HOME\Hostel\privatehostel.website2.m
                                // <html><a href =
54)
   "C:\Users\Lenovo\Desktop\HOME\Hostel\privatehostel.website2.me:index
   .html">click here </a></html>
55)
56)
                                header("Location:fol1\index.html");
57)
                            }else{
58)
59)
                                // password is not valid
60)
                                $return_err = "INvalid username or
   password";
61)
62)
63)
64)
                    }else{
```

```
65)
                        // USERNAME doesnt exist
66)
                        $return_err = "Invalid Username or Password";
67)
68)
                }else{
69)
                    $return_err = "something went wrong please try again"
   later";
70)
                }
71)
               // close statement
72)
               mysqli_stmt_close($stmt);
73)
           }
74)
75)
       // close connection
76)
       mysqli_close($con);
77)}
78)//-
79) $return_err= "";
80) $return= "";
81) $r_username = "";
82)$r_password = "";
83)$r_username_err = "";
84) $r_email_err = "";
85)$r_password_err = "";
86)// processing from the data submitted
87)if($ SERVER['REQUEST METHOD'] == "POST" &&
   isset($_REQUEST['r_submit'])){
88)
       //Validate username
89)
       if(empty(trim($_REQUEST['r_username']))){
90)
           $r_username_err = 'please enter a username. ';
       }else if(!preg_match('/^[a-zA-Z0-
91)
   9_]+$/',trim($_REQUEST['r_username']))){
           $r username err = 'Username can only contain letters,
92)
   numbers and underscores. ';
93)
       }else{
94)
           // prepare select statement
95)
           $sql = 'SELECT id FROM users WHERE username =?';
96)
           if($stmt = mysqli prepare($con, $sql)){
97)
                // Bind variables to prepared statement as parameter
               mysqli_stmt_bind_param($stmt, 's', $param_r_username);
98)
99)
               // set parameters
100)
                      $param_r_username = trim($_REQUEST['r_username']);
                      if(mysqli_stmt_execute($stmt)){
101)
102)
                          mysqli_stmt_store_result($stmt);
103)
                          if(mysqli_stmt_num_rows($stmt) == 1){
                              $r_username_err = 'This username is
104)
   already taken. ';
                          }else{
105)
106)
                              $r username =
   trim($_REQUEST['r_username']);
107)
108)
                      }else{
```

5.2 Style sheet for Login registration page

```
margin: 0;
    padding: 0;
    box-sizing: border-box;
body {
    font-family: sans-serif;
    font-size: 14px;
    display: flex;
    place-content: center;
    align-items: center;
    flex-wrap: nowrap;
    height: 100vh;
    background: #f9f0ff;
.wrapper {
    width: 992px;
    margin: auto;
    overflow: hidden;
    height: 525px;
    display: flex;
    border-radius: 6px;
.part1 {
    height: 100%;
    width: 50%;
    background-color: #fff;
    background-image: url(vector1.jpg);
    background-size: cover;
    display: flex;
    align-items: flex-end;
.register_title, .login_title {
    margin: 60px;
    color: #fff;
.register_title {
    display: none;
.part2 {
    height: 100%;
    width: 50%;
    background: #fff;
    padding: 60px;
    -webkit-transition: all 0.3s;
```

```
transition: all 0.3s;
.register_wrap {
    display: none;
.register_title2,.login_title2 {
    color: #f9300f;
    font-size: 22px;
    margin-bottom: 55px;
    font-weight: bold;
    text-transform: uppercase;
.input_content {
    display: grid;
    margin-bottom: 45px;
.input_content input {
    padding: 11px;
    border: 1px solid #bbb6b6;
border-radius: 4px;
color: #666;
.input_content input[type=submit]{
    background: #9300ff;
    color: #fff;
.input_content label {
    font-size: 16px;
    color: #666;
    margin-bottom: 8px;
.desc {
    color: #938f8f;
    text-align: center;
.desc a {
    font-weight: bold;
a {
    color: #9300ff;
```

5.3 Connection File

```
1) <?php
2) /* database credentials, assuming you</pre>
```

```
3) are running MySQL server with default setting (user 'root' with no password)*/
4) define('DB_SERVER', 'localhost');
5) define('DB_USERNAME', 'root');
6) define('DB_PASSWORD', '');
7) define('DB_NAME', 'l_hostel');
8) $con = mysqli_connect(DB_SERVER, DB_USERNAME, DB_PASSWORD, DB_NAME);
9) //check connection
10)if($con === false){
11)    die("ERROR: could not connect" .mysqli_connect_error());
12)}
13)?>
```

5.4 Explore tab code...

```
<!DOCTYPE html>
<html>
<head>
    <title></title>
   <link rel="stylesheet" type="text/css" href="style.css">
        link
href='http://fonts.googleapis.com/css?family=Montserrat:400,700%7CPT+Serif
:400,700,400italic' rel='stylesheet'>
         link
href="https://fonts.googleapis.com/css?family=Montserrat|Open+Sans"
rel="stylesheet">
</head>
<body>
   <!-- <div class="bgimage"> -->
       <div class="menu">
           <div class="leftmenu">
               <h4> Hostel Assistant </h4>
           </div>
           <div class="rightmenu">
               <l
                  <a href="index1.html"</pre>
>HOME</a>
                  <!-- <li><a href ="index2.html">Services</a> -->
                  <a href ="index3.html">Explore</a>
                  <a href = "index4.html">Aboust us</a>
                  contact
               </div>
```

```
</div>
        <strong>Filter Hostels by A/C availability:</strong>
        <form>
          <label><input type="checkbox" name="flower" value="avail"</pre>
id="avail" /> Available</label><br>
          <label><input type="checkbox" name="flower" value="unavail"</pre>
id="unavail" /> Unavailable</label><br>
          </form>
            <h4> DESIGN • DEVELOPMENT • BRANDING </h4>
            <h1> CREATIVE & EXPERIENCED </h1>
            <h3> WE ARE THE ONE OF THE WORLD'S TOP CREATIVE DESIGN
AGENCIES </h3>
            <button id="buttonone"> like share </button>
            <button id="buttontwo"> Subscribe </button>
        </div> -->
    <!-- </div> -->
    <!-- ========DIVSION BLOCK STARTS========= -->
    <div class="flower" data-id="gurukul" data-category="avail">
    <div class="container">
        <div class="colum">
          <div Class= "h_title">
            Gurukul Boys Hostel
          </div>
          <div>
            Contact- 7798725326, 8624024830<br>
            Fees- Rs.5000 per month<br>
            Address- Sr No.33, Chowk, Near Trimurti, behind Bharathi
Vidyapeeth, Katraj, Pune, Maharashtra 411046<br>
            Ac rooms- Not available <br>
            Available for Boys<br>
            24/7 Hot water<br>
            Occupancy Options - Twin sharing, Single room bed<br>
            Single Bed per Head<br>>
            Private Cupboard Available<br>
            Wifi Available <br>
            CCTV Surveillance<br>
            Purified drinking water(RO)<br>
            Rooms are cleaned daily<br>
            Gate opening Time- 6 am<br>
            Gate closing time- 11 pm<br>
          </div>
          <div>
          <button class="btn1"><a href="https://wa.me/+917798725326">
            <img src="C:\xampp\htdocs\login\fol1\wp.ico" style="width:</pre>
65px;height: 65px;"></a>
```

```
</button>
          <button class="btn2" style="margin-left: 100px;"><a</pre>
href="https://wa.me/+918624024830">
            <img src="C:\xampp\htdocs\login\fol1\wp.ico" style="width:</pre>
65px;height: 65px;"></a>
          </button>
          </div>
        </div>
      <div class="image">
        <!-- SLIDE SHOW CONTAINER STARTS HERE -->
        <div id="slideshow1" class="slideshow-container">
            <div class="mySlides fade" style="display: none;">
              <div class="numbertext">1 / 3</div>
              <img src="C:\xampp\htdocs\login\fol1\gurukul1.jpg"</pre>
style="width:100%">
              <div class="text">Caption Text</div>
            </div>
            <div class="mySlides fade" style="display: none;">
              <div class="numbertext">2 / 3</div>
              <img src="C:\xampp\htdocs\login\fol1\gurukul2.jpg"</pre>
style="width:100%">
              <div class="text">Caption Two</div>
            </div>
            <div class="mySlides fade" style="display: block;">
              <div class="numbertext">3 / 3</div>
              <img src="C:\xampp\htdocs\login\fol1\gurukul1.jpg"</pre>
style="width:100%">
              <div class="text">Caption Three</div>
            </div>
            <a class="prev" onclick="plusSlides(-1,slideshow1)"><</a>
            <a class="next" onclick="plusSlides(1, slideshow1)">>> </a>
            <div style="text-align:center">
              <span class="dot" onclick="currentSlide(1,</pre>
slideshow1)"></span>
              <span class="dot" onclick="currentSlide(2,</pre>
slideshow1)"></span>
              <span class="dot active" onclick="currentSlide(3,</pre>
slideshow1)"></span>
            </div>
            </div>
            <br>
            <!-- =========SLIDE SHOW CONTAINER EDS
      </div>
```



Chapter 6 IMPLEMENTATION

In this chapter we will take a look of actual working of website.

6.1 First page will be login and registration windows like shown in fig below:

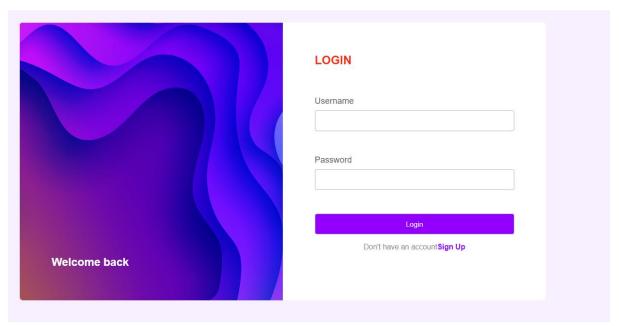


Fig 6.1

Here one can login if his account is already been created otherwise he/she will have to create an account to get access to website,

6.2 To create an account click on Sign up button below login button...

Here entering details along with password in respective fields, one can be able to create an account to access website

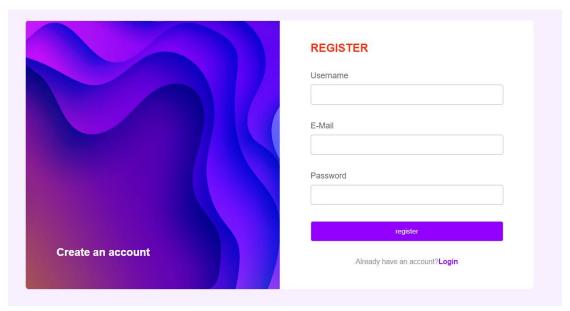


Fig 6.2

6.3 After successful login user will be redirected to the actual website home page

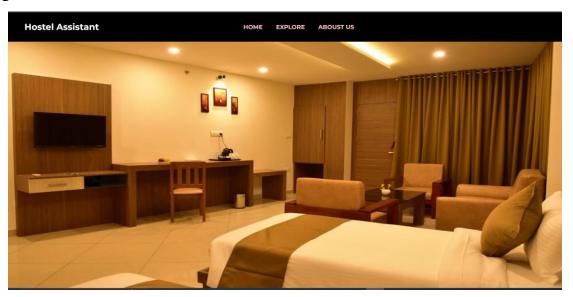


Fig 6.3

Reference:

- 1. https://www.w3schools.com
- 2. https://www.codepen.io
- 3. https://www.mobidev.biz

Chapter 7

CONCLUSION

The proposed system will be useful for students in PICT to offer best solution for the private hostel problems outside the campus they are facing in the web development domain.

This system will provide the solution for all the students searching for hostels without any mental harassment and will save their time and energy at the same time.