

1. INTRODUCTION

1.1 Project Description

Job Portal System is a web based application that is developed using PHP and MySQL. The Objective of Job Portal System is to develop a web based application using which jobseeker can search for job and apply for job. It provides the facility of searching job and apply for the same. In this system employer can post their vacancies and job seeker can apply for the job. Using this system job seeker can also manage their resume.

1.2 Project Profile

Project Title:	Job Portal
Project Objective:	Online Job Portal is a web based application that is developed using PHP and MySQL. The Objective of Job Portal System is to develop a web based application using which jobseeker can search for job and apply for job. It provides the facility of searching job and apply for the same. In this system employer can post their vacancies and job seeker can apply for the job. Using this system job seeker can also manage their resume.
Front End Tools:	PHP,HTML,CSS,JAVASCRIPT,BOOTSTRAP
Back End Tools:	MySQL
Other Tools:	WAMP Server
Application Type:	Web Based Application

2. REQUIREMENT ANALYSIS

2.1 Functional Requirements

In this section we will briefly discuss different functional requirement of different users.

2.1.1 Super Admin

1. Manage Job Seeker and Employer Profiles
2. Add New Services, Related to Employers or Job Seekers
3. Send Message to Employer and Job seeker for Subscription etc
4. Provide Roles and Authentication to Users
5. Ability to change the look and feel of your site by changing template
6. Most Recent Jobs to be displayed on home page
7. Search jobs based on keywords, categories, locations etc
8. Create / Edit / Save as many icon sets as you like
9. Location management console to add/edit/remove locations for which jobs can be posted
10. Manage premium employers
11. Admin can Add/Edit/Delete/Approve/Disapprove any job
12. Private labelled and fully integrated with your existing web site's look and feel.
13. Search Job seekers and Employers on the basis of Keyword, name, Email-address, Country, etc
14. Manage Featured Employers Showcase.

2.1.2 Customer Admin

1. Ability to Search resume by keywords, job category, days since posted.
2. Post jobs with detailed job description (job title, company name, company url, location, salary, job type, work type, description, required skills...)
3. Ability to create and edit a company profile.
4. Ability to add a Company Logo.
5. Employer Registration
6. Information on number of vacancy viewings and applications
7. Register and sign-up online for Memberships, Job packages, job postings or resume database access.

8. Option of including company profile and logo.
9. Update profile at any time.
10. View Submitted Job Seeker CV
11. Download CV or application submitted by jobseekers.

2.2. NON-FUNCTIONAL REQUIREMENTS

2.1.3 Job Seekers

1. Apply for a job with the click of a button
2. Resume Posting.
3. Automatically retrieve passwords by email.
4. Job Seeker Registration
5. Login and update profile, including forgotten password reminders
6. View Application History from profile
7. Powerful online job search tool.
8. Job seeker sets 'privacy level' to control how much information is visible to employers through resume searches.
9. Search jobs by location, qualification, categories, company, location, experience and keywords.
10. Hide contact information.
11. Add multiple list of qualification and experience.
12. Ability to add and submit Photos to profile.
13. Ability to add Cover Letter when apply for job.
14. Add, Edit, Activate or Delete Job Search Agent.

2.2 Non-Functional Requirements

1. Secure access of confidential data (user's details). SSL can be used.
2. 24 X 7 availability
3. Better component design to get better performance at peak time
4. Flexible service based architecture will be highly desirable for future extension.

3. HARDWARE AND SOFTWARE SPECIFICATION:

3.1 Hardware Requirement (min. requirement):

Processor: Pentium 1.8 GHz

RAM: 1GB RAM

HDD: 40 GB

3.2 Software Requirement (used for development):

Browser: Google Chrome

OS: Windows 8

Tools: Brackets, Sublime Text

Technologies: HTML, Javascript, CSS, PHP, MySQL

Server: WAMP/XAMPP Server to host the web-page.

4. ANALYSIS AND DESIGN:

4.1 MODULES

Job portal project divided into three modules as follows:

1. Super Admin
2. Customer Admin
3. JobSeeker

4.2 SYSTEM PERSPECTIVE DESIGN

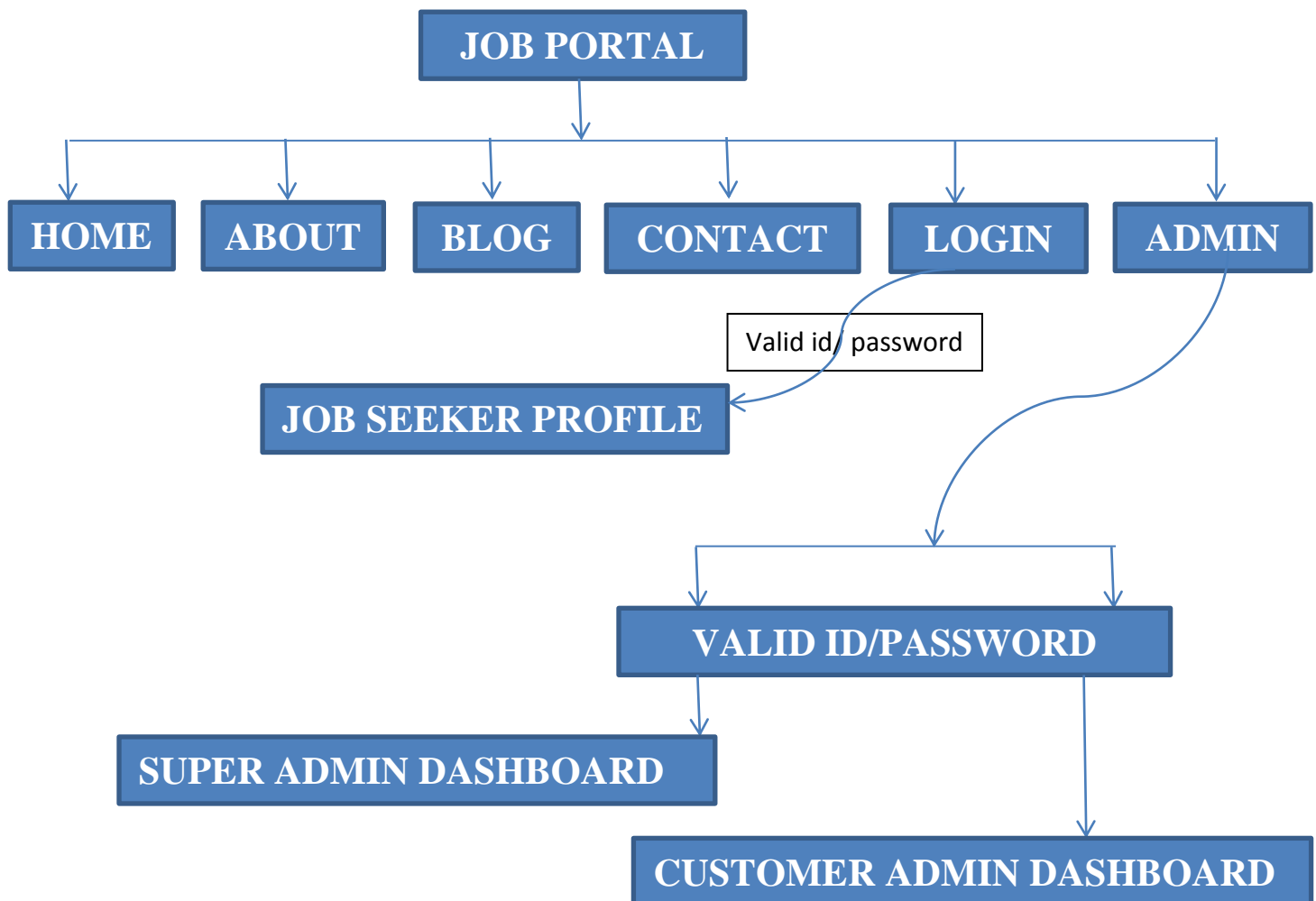


Figure 4.1 System Perspective Design

4.3 SEQUENCE DIAGRAM

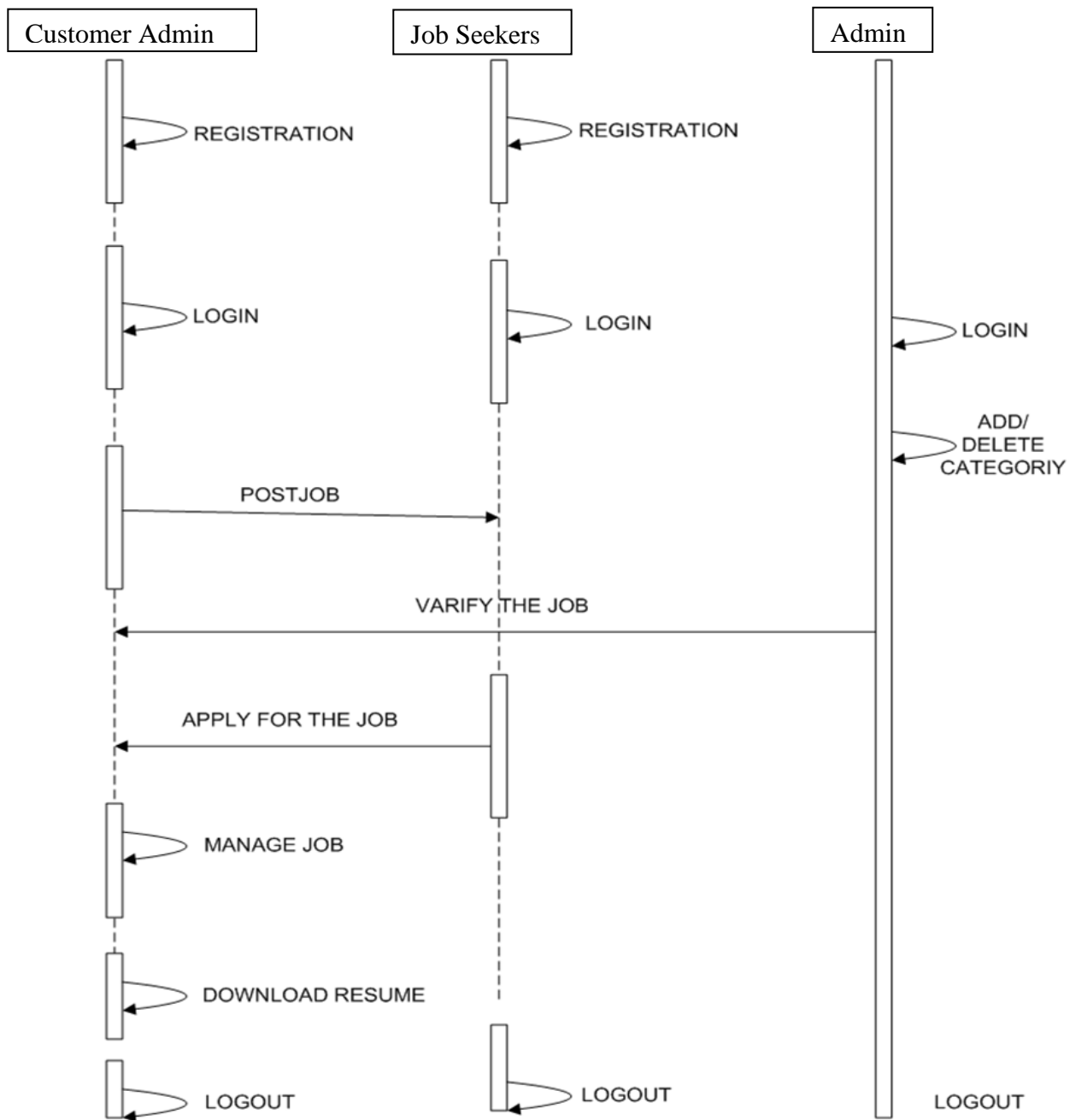


Figure 4.2 Sequence Diagram

4.4 USE CASE DIAGRAM

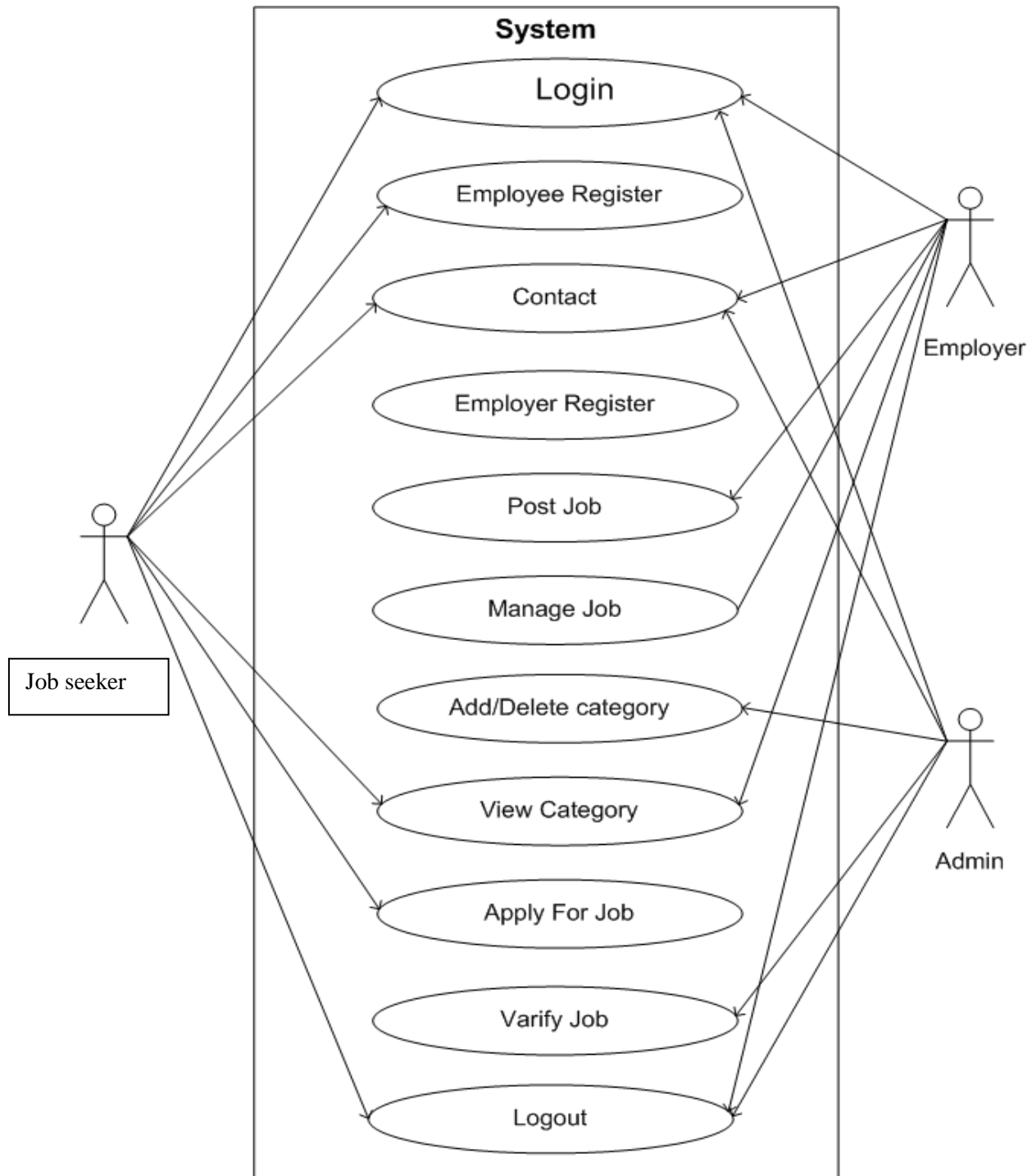


Figure 4.3 Use Case Diagram

4.5 E-R Diagram

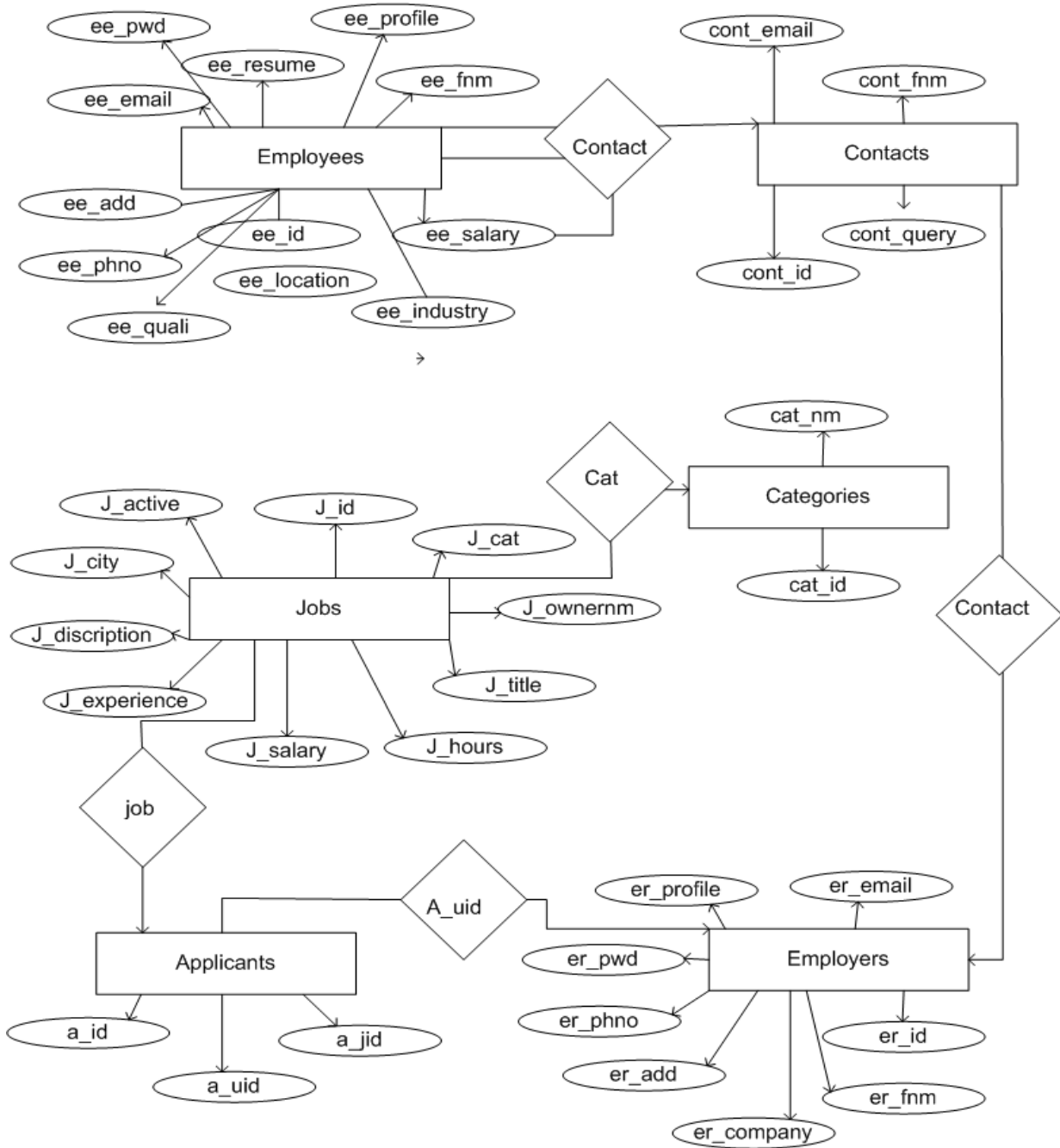


Figure 4.4 E R Diagram

4.6 Context Diagram

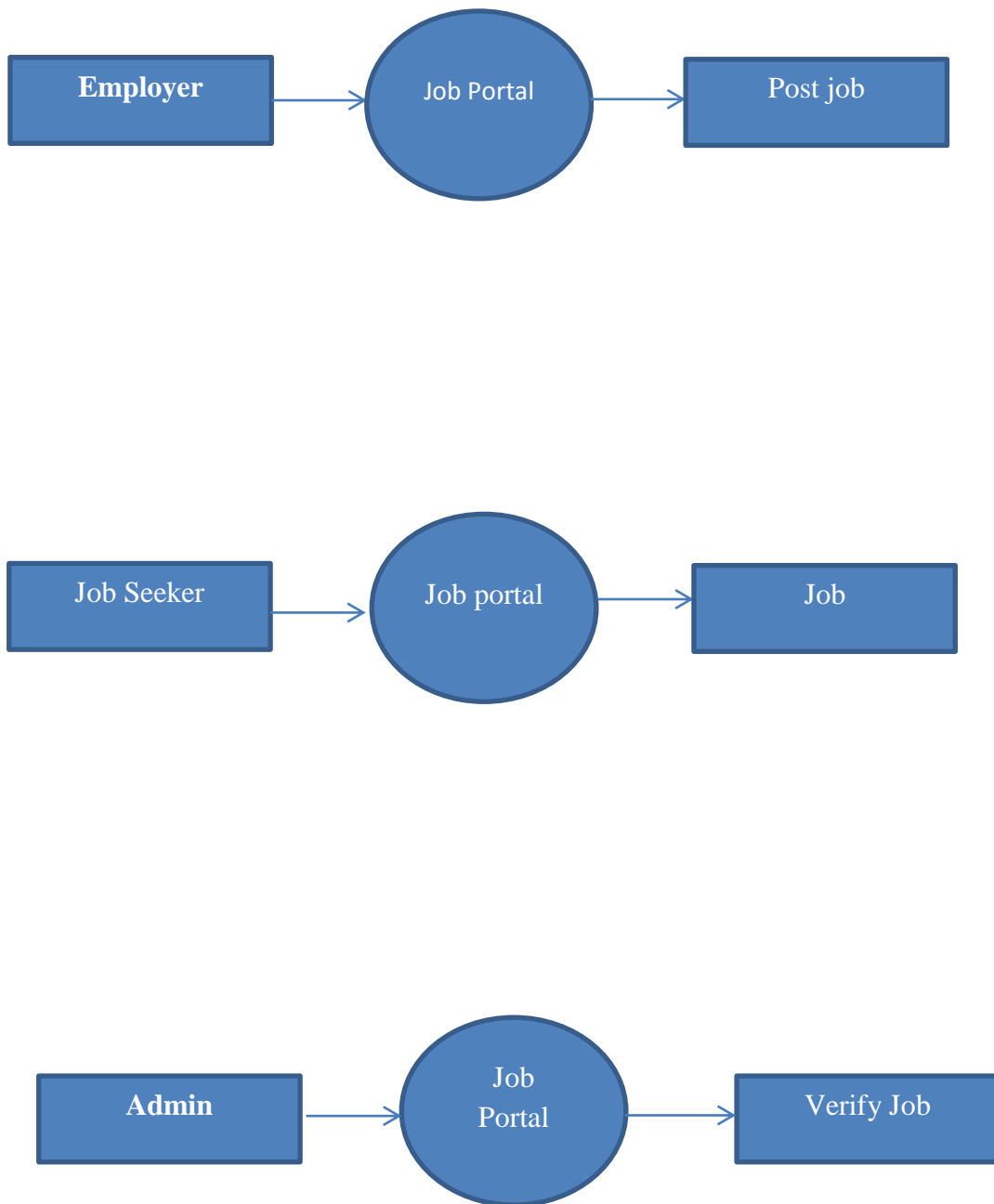


Figure 4.5 Context Diagram

4.7 CONTROL FLOW DIAGRAM

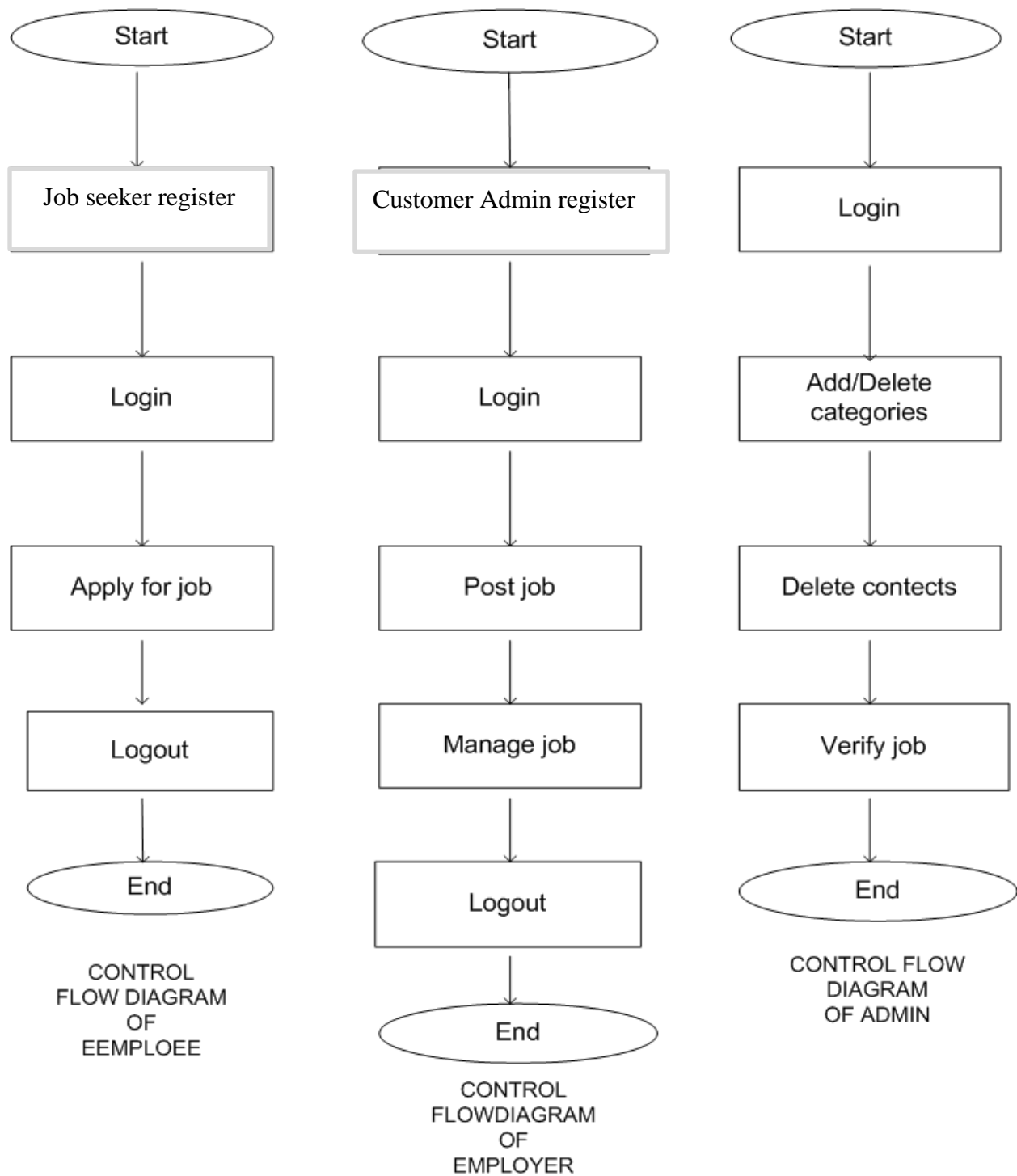


Figure 4.6 Control Flow Diagram

4.8 ACTIVITY DIAGRAM

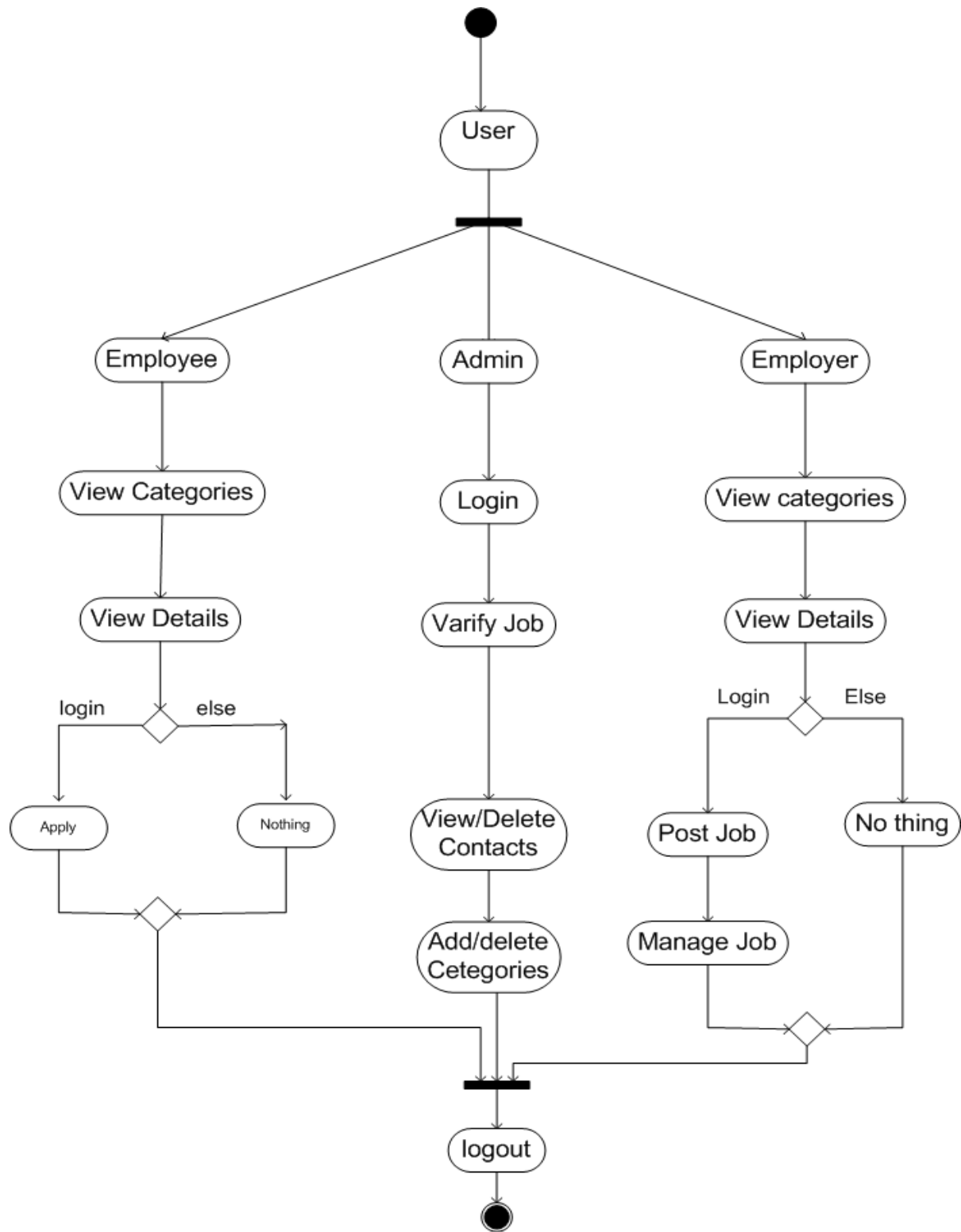


Figure 4.7 Activity Diagram

5. IMPLEMENTATION

5.1 Source Code

Connection

```
<?php  
  
$conn=mysqli_connect("localhost","root","","job_portal");  
  
?>
```

Add Categories

```
<?php  
  
include('include/header.php');  
  
include('include/sidebar.php');  
  
?>  
  
<main role="main" class="col-md-9 ml-sm-auto col-lg-10 pt-3 px-4">  
  
    <nav aria-label="breadcrumb">  
  
        <ol class="breadcrumb">  
  
            <li class="breadcrumb-item"><a href="admin_dashboard.php">Dashoard</a></li>  
  
            <li class="breadcrumb-item"><a href="category.php">Categopry</a></li>  
  
            <li class="breadcrumb-item"><a href="#">Add Category</a></li>  
  
        </ol>  
  
    </nav>  
  
    <div class="d-flex justify-content-between flex-wrap flex-md-nowrap align-items-center pb-2 mb-3 border-bottom">
```

<h1 class="h2"> Add Category</h1>

<div class="btn-toolbar mb-2 mb-md-0">

<div class="btn-group mr-2">

</div>

<!-- Add Customer -->

</div>

</div>

<div style="width: 60%; margin-left: 20%; background-color: #F2F4F4;" >

<div id="msg"></div>

**<form action="" method="post" style="margin:3%; padding: 3%;"
name="Company_form" id="Company_form">**

<div class="form-group">

<label for="Cutomer Email">Category Name</label>

**<input type="text" name="category" id="category" class="form-control"
placeholder="Enter Company Name">**

</div>

<div class="form-group">

<label for="Cutomer Username">Description</label>

**<textarea name="Description" id="Description" class="form-control"
cols="30" rows="10"></textarea>**

</div>

<div class="form-group">

```
<input type="submit" class="btn btn-block btn-success" placeholder="Save"
name="submit" id="submit">
```

```
</div>
```

```
</form>
```

```
</div>
```

```
<canvas class="my-4" id="myChart" width="900" height="380"></canvas>
```

```
<div class="table-responsive">
```

```
</div>
```

```
</main>
```

```
</div>
```

```
</div>
```

```
<script src="https://code.jquery.com/jquery-3.2.1.slim.min.js" integrity="sha384-
KJ3o2DKtIkvYIK3UENzmM7KChRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5Kk
N" crossorigin="anonymous"></script>
```

```
<script>window.jQuery || document.write('<script src="../assets/js/vendor/jquery-
slim.min.js"></script>')</script>
```

```
<script src="../assets/js/vendor/popper.min.js"></script>
```

```
<script src="../dist/js/bootstrap.min.js"></script>
```

```
<!-- Icons -->
```

```
<script src="https://unpkg.com/feather-icons/dist/feather.min.js"></script>
```

```
<script>
```

```
feather.replace()
```

```
</script>
```

```
<!-- datatables plugin -->
```

```
<script src="https://code.jquery.com/jquery-3.3.1.js"></script>
```

```
<script src="https://cdn.datatables.net/1.10.19/js/jquery.dataTables.min.js"></script>
```

```
<script>
```

```
$(document).ready(function() {
```

```
$('#example').DataTable();
```

```
});
```

```
</script>
```

```
<script>
```

```
$(document).ready(function(){
```

```
$("#submit").click(function(){
```

```
var Description=$("#Description").val();
```

```
var category=$("#category").val();
```

```
if (Description=="") {
```

```
    alert("Please Enter Description !!");
```

```
    return false }
```

```
if (category=="") {
```

```
    alert("Please Enter Category Name !!");
```

```
    return false;
```

```
}
```

```
var data= $('#Company_form').serialize();

$.ajax({

    type:"POST",

    url:"category_add.php",

    data:data,

    success:function(data){

        alert(data);

    }

});

});

});last_name
```

</script>

</body>

</html>

Apply jobs

<?php

```
include('connection/db.php');
```

```
$a=1;
```

```
$sql= "select * from job_apply LEFT JOIN all_jobs
```

```
ON job_apply.id_job = all_jobs.job_id where customer_email='{$_SESSION['email']}'";
```

```
$query=mysqli_query($conn,$sql);
```



```
// var_dump($sql);

while($row=mysqli_fetch_array($query)){

?>
```

Category

```
<?php
```

```
include('connection/db.php');

$query=mysqli_query($conn,"select * from job_category");

while($row=mysqli_fetch_array($query)){

?>
```

```
<tr>
```

```
<td><?php echo $row['id']; ?></td>
```

```
<td><?php echo $row['category']; ?></td>
```

```
<td><?php echo $row['des']; ?></td>
```

```
<td>
```

```
<div class="row">
```

```
<div class="btn-group">
```

```
<a href="edit_category.php?edit=<?php echo $row['id']; ?>" class="btn
btn-success"><span class="glyphicon glyphicon-pencil"></span> </a>
```

```
<a href="category_delete.php?del=<?php echo $row['id']; ?>"
class="btn btn-danger"><span class="glyphicon glyphicon-trash"></span> </a>
```

```
</div>
```

```
</div>
```

```

        </td>

    </tr>

    <?php } ?>

</tbody>

<tfoot>

    <tr>

        <th>#SL</th>

        <th>Category Name</th>

        <th>Description</th>

        <th>Action</th>

    </tr>

</tfoot>

</table>

    <tr>

        <td><?php echo $a; ?></td>

        <td><?php echo $row['job_title']; ?></td>

        <td><?php echo $row['first_name']; ?> <?php echo $row['last_name']; ?></td>

        <td><?php echo $row['job_seeker']; ?></td>

        <!-- <td><a href="http://localhost/job_portal/files/<?php echo $row['file'];
?>">Download File </a></td> -->

        <td>

```

```

<div class="row">

    <div class="btn-group">

        <a href="view_applied_jobs.php?id=?php echo $row['id']; ?"
class="btn btn-success"><span class="glyphicon glyphicon-eye-open"></span> </a>

    </div>

</div>

</td>

</tr>

<?php $a++; } ?>

```

Myprofile

?php

```
include('connection/db.php');
```

```
include('include/header.php');
```

```
include('include/my_profile.php');
```

```
$query=mysqli_query($conn,"select * from profiles where
user_email='{$_SESSION['email']}'");
```

```
while ($row=mysqli_fetch_array($query)) {
```

```
    $img=$row['img'];
```

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

```
    $dob=$row['dob'];
```

```
    $number=$row['number'];
```

```
    $email=$row['email'];
```

```
}
```

```
?>
```

```
<br>
```

```
<div style="margin-left: 25%; width: 50%; border: 1px solid gray; padding: 10px; ">
```

```
<form action="profile_add.php" method="POST"
```

```
id="profile_form" name="profile_form" enctype="multipart/form-data">
```

```
<div class="row">
```

```
<div class="col-md-6">
```

```

```

```
</div>
```

```
<div class="col-md-4">
```

```
<input type="file" class="form-control" name="img" id="img">
```

```
</div>
```

```
</div>
```

```
<div style="margin-left: 30%;">
```

```
<div class="row">
```

```
<div class="col-md-6">
```

```
<td> Enter Your Name : </td>
```

```
</div>
```

```
<div class="col-md-6">
```

```
                                <td><input    type="text"    name="name"
id="name" value="<?php if(!empty($name)) echo $name; ?>" placeholder="Enter Your
name ..." class="form-group" > </td>
```

```
                                </div>
```

```
</div>
```

```
<div class="row">
```

```
                                <div class="col-md-6">
```

```
                                <td> Enter Your DOB : </td>
```

```
                                </div>
```

```
                                <div class="col-md-6">
```

```
                                <td><input type="date" name="dob" id="dob"
value="<?php if(!empty($dob)) echo $dob; ?>" placeholder="Enter Your dob ..."
class="form-group" > </td>
```

```
                                </div>
```

```
</div>
```

```
<div class="row">
```

```
                                <div class="col-md-6">
```

```
                                <td> Enter Your MOBILE Number : </td>
```

```
                                </div>
```

```
                                <div class="col-md-6">
```

```
                                <td><input type="Number" name="number"
id="number" value="<?php if(!empty($number)) echo $number; ?>" placeholder="Enter
Your MOBILE Number ..." class="form-group" > </td>
```

</div>

</div>

<div class="row">

<div class="col-md-6">

<td> Enter Your Email : </td>

</div>

<div class="col-md-6">

<td><input type="Email" name="email"
id="email" value="<?php if(!empty(\$email)) echo \$email; ?>" placeholder="Enter Your
Email ..." class="form-group" > </td>

</div>

Add Profile

<?php

session_start();

include('connection/db.php');

\$img=\$_FILES['img']['name'];

\$user_email= \$_SESSION['email'];

\$name=\$_POST['name'];

\$dob=\$_POST['dob'];

\$number=\$_POST['number'];

\$email=\$_POST['email'];

\$tmp_name=\$_FILES['img']['tmp_name'];

```

$sql=mysqli_query($conn,"select * from profiles where
user_email='{$_SESSION['email']}'");

$sql_check=mysqli_num_rows($sql);

if (!empty($sql_check)) { $query=mysqli_query($conn,"update profiles Set
img='$img',name='$name',dob='$dob',number='$number',email='$email' where
user_email='$user_email' ");

// $query= mysqli_query($conn,"insert into ()")

if($query) {

    echo "<h1>Profile updated Successfully !!</h1>";

}else{

    echo "<h1>Some Error Please Try Again !!</h1>";

}else{

    move_uploaded_file($_FILES["img"]["tmp_name"],'profile_img/'.$img);

    $query=mysqli_query($conn,"insert into
profiles(img,name,dob,number,email,user_email)values('$img','$name','$dob','$number','$email','$user_email')");

// $query= mysqli_query($conn,"insert into ()")

if($query) {

    echo "<h1>Profile Added Successfully !!</h1>";

}else{

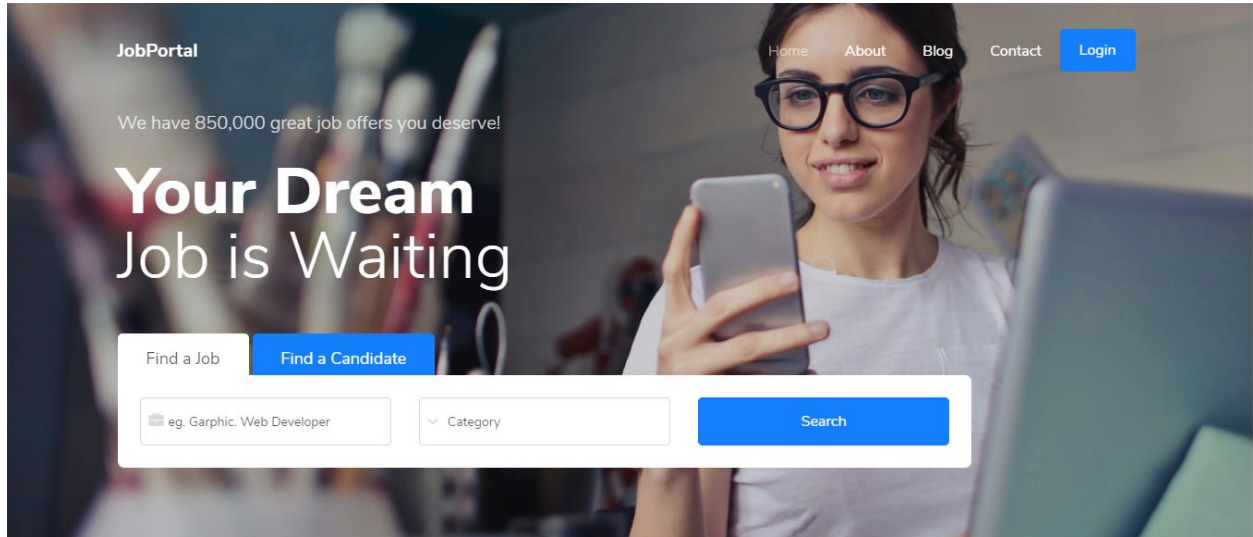
    echo "<h1>Some Error Please Try Again !!</h1>";

}}    ?>

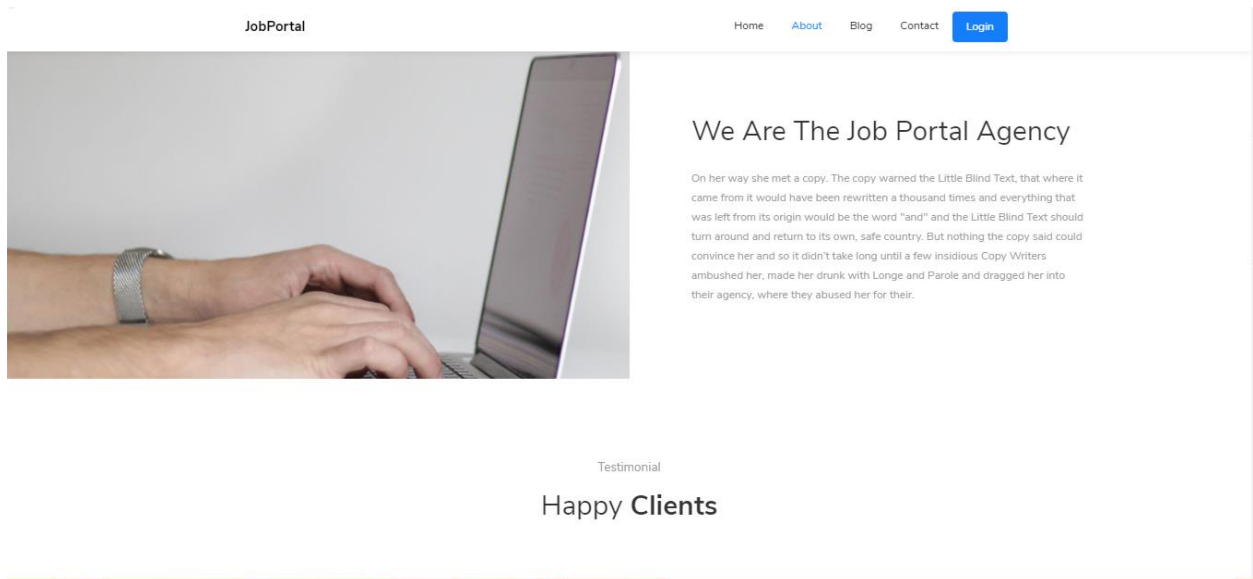
```

5.2 OUTPUT SCREEN

Home page




About



Blogs

JobPortal


HomeAboutBlogContactLogin



DECEMBER 2, 2018 ADMIN 3

Even the all-powerful Pointing has no control about the blind texts


Lorem ipsum dolor sit amet, consectetur adipisicing elit. Alias architecto enim non iste maxime optio, ut com



DECEMBER 2, 2018 ADMIN 3

Even the all-powerful Pointing has no control about the blind texts


Lorem ipsum dolor sit amet, consectetur adipisicing elit. Amet nobis natus incidunt officia assumenda.



DECEMBER 2, 2018 ADMIN 3

Even the all-powerful Pointing has no control about the blind texts


Lorem ipsum dolor sit amet, consectetur adipisicing elit. Excepturi obcaecati praesentium,





DECEMBER 2, 2018 ADMIN 3


Even the all-powerful Pointing has no control about the blind texts

Lorem ipsum dolor sit amet, consectetur adipisicing elit. Dolor minima, dolores quis, dolorum accusamu





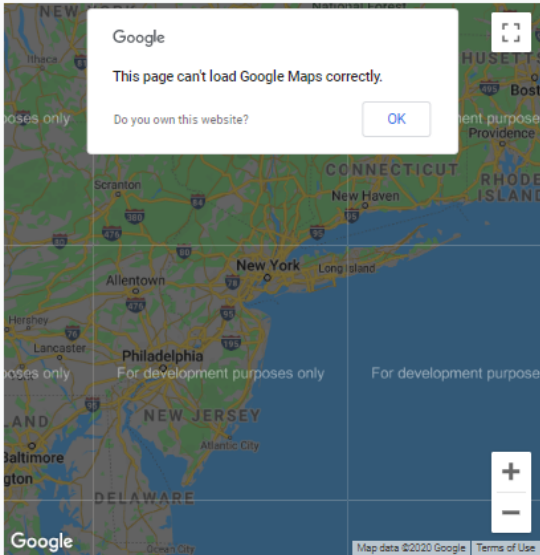




Contact

JobPortal

HomeAboutBlogContactLogin



Google

This page can't load Google Maps correctly.

Do you own this website? [OK](#)

Your Name

Your Email

Subject

Message

Send Message

Job seeker login

the
jobportal

find the perfect job

Please Sign In

Email address

Password

Submit

[Create a Account](#)

© 2017-2018

Job seeker signin

the
jobportal

find the perfect job

Please Sign Up

Email address

Password

Enter Your First name

Enter Your Last Name

Enter Your Mobile Number

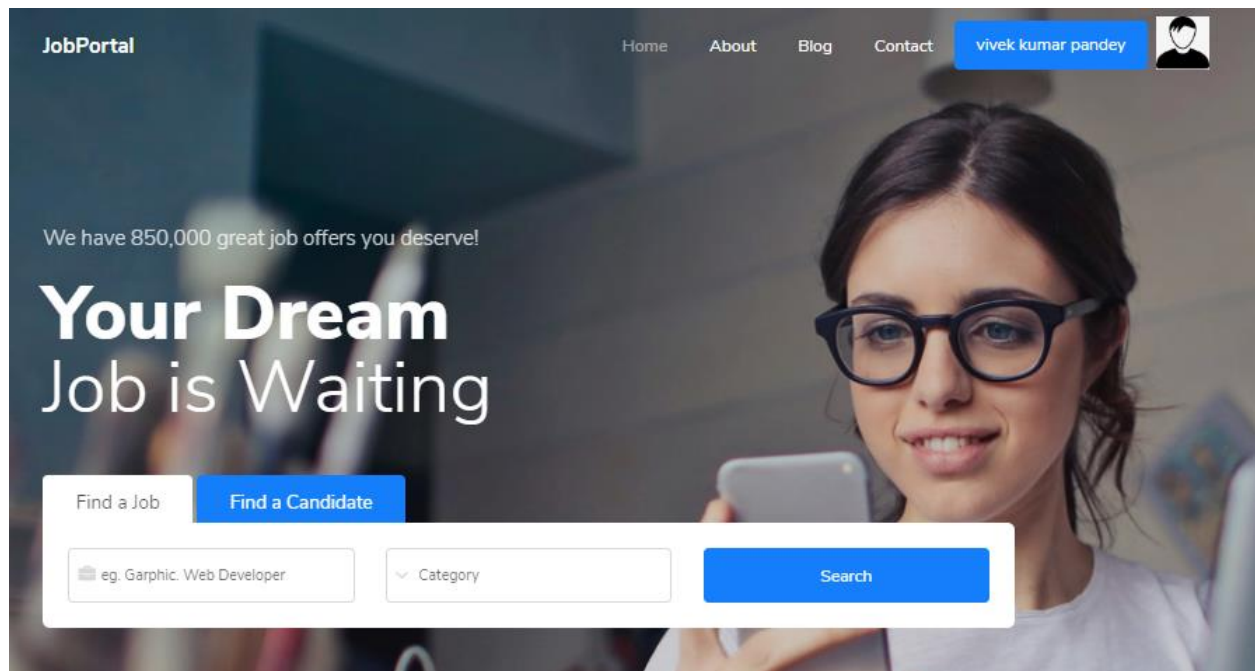
mm/dd/yyyy

sign Up

[Already Account ?](#)

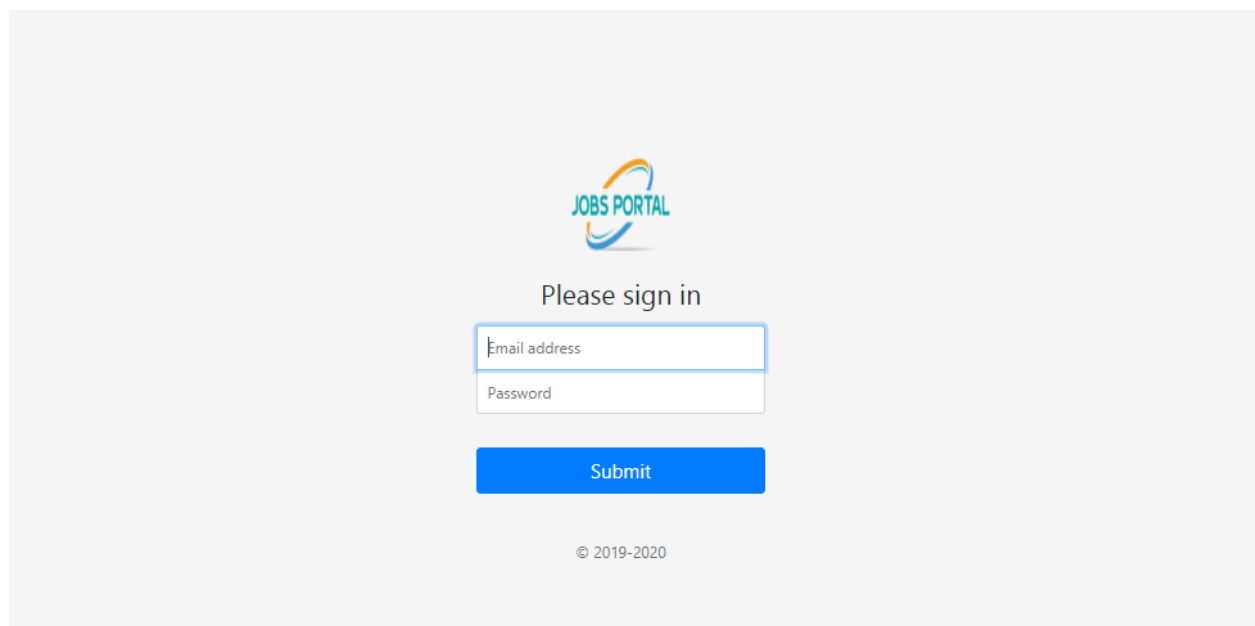
© 2017-2018

Job seeker profile



The image shows a mockup of the JobPortal homepage. At the top left is the 'JobPortal' logo. To its right is a navigation menu with links for 'Home', 'About', 'Blog', and 'Contact'. Further right is a user profile section displaying the name 'vivek kumar pandey' and a small circular profile picture. The main banner features a background image of a woman with glasses looking at her smartphone. Text on the banner reads: 'We have 850,000 great job offers you deserve!' followed by the large headline 'Your Dream Job is Waiting'. Below this is a search interface with two tabs: 'Find a Job' (selected) and 'Find a Candidate'. The search area contains a text input field with the placeholder 'eg. Garphic. Web Developer.', a dropdown menu labeled 'Category', and a blue 'Search' button.

Admin and customer login



The image shows a mockup of the login page. At the top center is the 'JOBS PORTAL' logo, which consists of the text 'JOBS PORTAL' in blue and green with a stylized circular graphic. Below the logo is the text 'Please sign in'. Underneath this are two stacked input fields: the top one is labeled 'Email address' and the bottom one is labeled 'Password'. Below the input fields is a blue 'Submit' button. At the bottom center of the page is the copyright notice '© 2019-2020'.



Admin Dashboard



Customer Admin Dashboard

Customer Admin Dashboard Interface:

- Header: `vivek@gmail.com` | Search | `Sign out`
- Left Sidebar (Menu):
 - Dashboard
 - Job Create
 - Apply Jobs
 - SAVED REPORTS
 - Current month
 - Last quarter
- Main Content Area:
 - Section title: **Dashboard / Jobs**
 - Section title: **All Jobs** | `Create Job`
 - Controls: `Show 10 entries` | Search
 - Table Data:

| #SL | Admin name | Job Title | Description | Country | State | City | Action |
|-----|-----------------|--|---|---------|-------------|---------|---|
| 7 | vivek@gmail.com | Urgent Requirement of PHP Developer, 1 To 4 Years, Noida | Dear Candidates, Greeting from MMEERVICES. MMEERVICES is one of the most promising full service Web | India | West Bengal | Kolkata |   |
 - Footer: `Showing 1 to 1 of 1 entries` | `Previous` | `1` | `Next`

5. SOFTWARE TESTING

Software testing is a critical element of software quality assurance and representing the ultimate review to specification, design and coding.

Test Cases:

Test cases are built around specifications and requirements, i.e., what the application is supposed to do. Test cases are generally derived from external descriptions of the software, including specifications, requirements and design parameters. Although the tests used are primarily functional in nature, nonfunctional tests may also be used. The test designer selects both valid and invalid inputs and determines the correct output, often with the help of an oracle or a previous result that is known to be good, without any knowledge of the test object's internal structure.

The advantages of this type of testing include:

- The test is unbiased because the designer and the tester are independent of each other.
- The tester does not need knowledge of any specific programming languages.
- The test is done from the point of view of the user, not the designer.
- Test cases can be designed as soon as the specifications are complete.

The disadvantages of this type of testing include:

- The test can be redundant if the software designer has already run a test case.
- The test cases are difficult to design.
- Testing every possible input stream is unrealistic because it would take an inordinate amount of time; therefore, many program paths will go untested.

Test cases :

| Test Cases | Test setup | Expected result | Actual result |
|-------------------|-----------------------------|--|---|
| Login tab | Click the login button | Login page should open | Login page has opened |
| Contact us tab | Click on the contact us tab | Contact page should opened | Contact page has opened |
| Search bar | Type the job category | job should be display | job has been displayed |
| Create Job | Click on create job | Create job page should be open | Create job page has been displayed |
| Logout tab | Click on logout button | Admin/customer Admin/Job Seeker should came out from his/her account | Admin/customer Admin/Job Seeker has come out from his/her account |

7. CONCLUSION

- ❖ The working on the project “Job Portal” Was an extremely learning experience. We came across a no of new concepts and also enhanced our knowledge.
- ❖ Although we faced some problem during the designing and the implementation part but due to the moral support of our guide we were able to overcome the situation.
- ❖ In this project I completely enjoyed.
- ❖ The project has been completed as per the schedule.

8. SOFTWARE OF FUTURE ENHANCEMENT

As the project comes up with some limitations which can be improved in future and further more advancement can also be done. The different features that can be added are as follows:

- More features should be added which makes the website user friendly
- More fields can be added.
- Readers can easily forward interesting jobs to others.
- Seekers will get update of new job posts through mail.
- Video conferencing facility will provide for direct interview.

9. REFERENCES

1. <https://bootswatch.com/3/> Bootswatch
2. <https://themes.getbootstrap.com/> bootstrap
3. <https://www.w3schools.com/php/default.asp> W3school
4. https://www.w3schools.com/php/php_mysql_intro.asp w3school
5. <https://www.sololearn.com/Course/PHP/> solo learn
6. <https://jquery.com/download/> jquery
7. <http://www.w3schools.com/php>