

Project Report

On

Dream Job

Submitted By:

Dave Hiral D (166250307008)

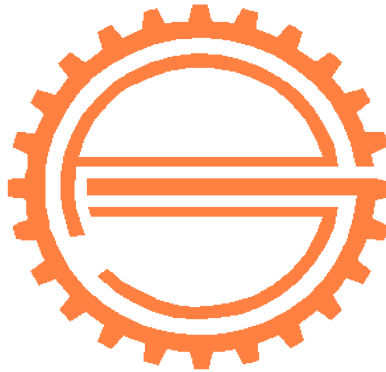
Trivedi Devangi L (166250307053)

Gokani Nidhi G (166250307507)

SEM-6

COMPUTER ENGINEERING

In



GOVERNMENT POLYTECHNIC

JAMNAGAR

Government Polytechnic, Jamnagar

Computer Engineering

2018

CERTIFICATE

Date:

This is to certify that the dissertation entitled “**Dream Job**” has been carried out by **Dave Hiral, Trivedi Devangi, Gokani Nidhi** under my guidance in fulfillment of the Diploma Engineering in Computer (6th Semester) of Gujarat technological University, Ahmadabad-Government Polytechnic Jamnagar during the academic year 2018-2019.

Internal Guide

K.U. THANKI

Head of the Department

K.M. SHAH

ACKNOWLEDGEMENT

Every work that one complete successful stand on the constant encouragement, goodwill and support of the people around. We hereby, avail this opportunity to express our heartfelt gratitude to a number of people who extended their valuable time, and cooperation in developing this project.

We would like to thank this opportunity to our deep gratitude and sincere thanks to my respected internal guide **K.U. THANKI** and external guide provide us with the all valuable guidance, encouragement, support and constructive criticism without which this project would not have been materialized.

Last but we would like to thanks our parents and a family member whose love and support has allowed us to achieve this goal.

ABSTRACT

“Dream Job” is an online Job Search Portal, a web application through which job seekers can register and apply for jobs. Through this portal employers can also post their jobs and review applications. The traditional recruitment systems are time taking and costly. A job seeker must find jobs through advertisements, college fairs, job fairs etc., and the employers must put in much effort to find the right candidate for a vacant position. This application addresses such shortcomings and is a convenient platform for both job seekers to find and apply for jobs and for employers to post jobs and review applications with much ease. Candidates can search for jobs in any field through advanced search capabilities. They can upload their resumes to this application which is stored for future use also. Employers can download these resumes and post/delete job positions. The admin controls this portal and makes the decision about companies and jobs that can access/appear in this portal. Candidates and Employers can use this portal without any geographical barrier, from any part of the world.

INDEX

CHAPTER NO: 1

INTRODUCTION

1.0 Introduction

- 1.1 Overview
 - 1.2 Scope
 - 1.3 Process Model
-

1.0 INTRODUCTION

Whether entering the job market for the first time or re-entering after a break or switching career, job search is a challenging task. But how about tools/websites, making this tedious process looks friendly, systematic and easy to reach out, to employers or candidates. Searching and landing up with a dream job is a tedious process for a job seeker and on the opposite hand, connecting with desirable candidates best fit for a job position is a challenging and important work for the employers. This project is aimed at making such challenges much easier despite the geographic location of either the job seeker or the Company. Although a job search portal doesn't guarantee a job offer, it is the best place for potential candidates and employers to get connected and know more about each other.

1.1 OVERVIEW

“Dream Job” is an online website which is a job search portal. It is a simple, efficient, convenient and systematic portal through which job seekers and employers connect with each other.

SRS includes two sections overall description and specific requirements;

- Overall description will describe major role of the system components and interconnections.
- Specific requirements will describe roles and functions of the actors.

Advantages Of Online Job Portal:

Very Much Affordable: -

One of the major benefits of using online job portals is that they are very affordable and cost-effective. Candidates can upload their resumes for free and search jobs across any field without having to pay any fee to the job portal.

However, there are some services, for instance, resume building and visibility enhancing services that are essential to boost your job profile.

Search Jobs: -

Online Job Portals provides you an opportunity to search jobs from an array of categories which makes it easy for candidates, especially fresher, to filter out their options after browsing through them. Online Job Portals offer jobs from nearly all domains of the industry which is very much beneficial.

1.2 SCOPE

The Scope for the system can be as follows:

- Maintain Job Seeker and Employer records.
- Maintain uploaded Resumes.
- Provide Customized Job Postings.
- Maintain Job Posting details and generate various reports.

1.3 PROCESS MODEL

✎ We prefer RAD “Rapid Application Development “model for our project this is a high-speed adaptation of the linear sequential model.

Reason: -

✎ There are many several reason for choosing RAD model which are specified below:

- Main reason is, component-based design.
- There are different-different modules available in market.
- So, we need to just collect it for our project.
- Using those modules, we can focus extra on our project.
- So, it results in less effort and best result.
- We can achieve working model within 60 to 90 days using this model.
This is well organized, well-planned and effective for user.
- In short it requires less time which is admirable.
- Here not just only one but many development teams are working parallel on model to complete within a time period.
- So, it decreases the time to development and testing.

- We can use past used component here.
- Fully user involvement is needed.
- It is most suitable for where is system is modularized, where all requirement specifications are well understand and managed.

CHAPTER NO: 2
SOFTWARE REQUIREMENT SPECIFICATION

2.1 User characteristic

2.2 Functional requirement

2.3 Non-Functional requirement

2. SRS (SOFTWARE REQUIREMENT SPECIFICATION).

System Requirements are expressed in a software requirement document. The software requirement specification (SRS) is the official statement of what is required of the system developers. This requirement document includes the requirements definition and the requirement specification. The software requirement document is not a design document. It should set out what the system should do without specifying how it should be done. The requirement set out in this document is complete and consistent. The software specification document satisfies the following:

- It specifies the external system behaviors.
- It specifies constraints on the implementation.
- It is easy to change.
- It serves as reference tool for system maintainers.
- Its records forethought about the life cycle of the system.
- It characterizes acceptable response to undesired events.

2.1 USER CHARACTERISTICS

The users of the system will be users with different levels of technical expertise. Any user with a basic understanding of the internet and job portal should be able to make use of the available functionality of the system.

There are four different types of users: -

Guests:

These are visitor of the site which don't have an account or logged in.

Users:

These are the users of the site who have an account and logged in.

Administrators:

These are the special member of the site who manages the site.

Company:

These are user who want to post job to site.

2.2 Functional Requirement

UC1: Login

Primary Actor: User

Precondition: User has registered first. Then he/she is login to the system.

Main Success Scenario:

1. User enters login id and password.
2. System checks id and password are valid or not.
3. If valid then login successfully to the system.

Exception Scenario:

1. Otherwise System shows the message to enter correct id and password.

Input: admin username and password.

Condition 1 – invalid username or password.

Condition 2 – successfully login.

Output: admin will successfully log in or invalid details.

Process: here the admin will be validated against the system's database.

UC2: Post A Job

Primary Actor: company user

Precondition: company has logged in

Main Success Scenario:

1. Company posts a job (its category, description, logo, etc.).

2. System shows past prices of similar items to seller.

3. Company user specifies the closing date of the job for validate period of time to accept the request.

4. System accepts the job and posts it.

Exception Scenarios:

2. A) There are no category available for job.

*System tells the seller this situation

UC3: Apply for Job

Primary Actor: candidate

Precondition: The buyer has logged in

Main Success Scenario:

1. Candidate searches or browses_and selects some job
2. Candidate apply for job and upload resume.
3. System accept the job applied by the candidate.
4. System display the applied candidate to it's appropriate company user.

Exception Scenarios:

3. A) Candidate has already applied for that job.

UC4: Create User.

Primary Actor: Admin.

Description: Admin create users for his system.

Pre-Condition: admin first create a log-in form for the new user.

Post-Condition: User must be log-in to the system.

Main Success Scenarios:

1. To create a new user, admin show his advertisement to the user.
2. User sees the ads and visit to system and buy a product.
3. Admin checks user requirement.
4. Then admin checks user feedback.

Exception Scenarios:

Admin must be a valid person or a computer with know all the information about the system.

UC6: **Search Job**

Primary Actor: Users.

Description: User searches the job into the system.

Pre-Condition: User must be login to the system.

Post-Condition: User searches his product.

Main Success Scenarios:

1. User searches the job.
2. User enters the details which job he wants.
3. System checks the job is available or not.
4. User checks the job details.

Exception Scenarios:

1. User cannot search the job without log-in to the system.

UC7: **Delete A Job.**

Primary Actor: Admin.

Description: Admin delete the job.

Pre-Condition: None.

Post-Condition: Job is deleted from the web store.

Main Success Scenarios:

1. Login to the system.
2. Confirm login.
3. Select the job to delete.
4. Product content will remove from web store. His page is also deleted.
5. Delete the product.

UC8: **Logout.**

Primary Actor: user.

Description: user wants logout from the system.

Pre-Condition: user must log in to the system.

Post-Condition: user logged out from the system.

Main Success Scenarios:

1. User request for logout.
2. User logged out from system.

2.3 NON-FUNCTIONAL REQUIREMENTS

Reliability

The system should be reliable. This software should not crash frequently.

Availability

The system shall be available to all users 24*7.

Security

The Security is major issue; the application software should be secure. Security is important because the application software is web based. Security will be provided through Access Control Mechanism. The application software will have secure password authentication and will prevent illegal access to Members accounts.

Maintainability

The Auction Website will be designed in such a way that it can be maintained in future.

CHAPTER NO: 3

SYSTEM ANALYSIS MODELING – USER BASED

3.1 Feasibility Study

3.2 User based modeling

3.2.1 Use Case Diagrams

3.1 FEASIBILITY STUDY

Economic Feasibility: -

Economic feasibility is the most important and frequently used method for evaluating the effectiveness of the proposed system. It is very essential because the main goal of the proposed system is to have economically better result along with increased efficiency. Cost benefit analysis is usually performed for this purpose. It is the comparative study of the cost verses the benefits and savings that are expected from the proposed system. Since the organization is well equipped with the required hard ware, the project was found to be economically.

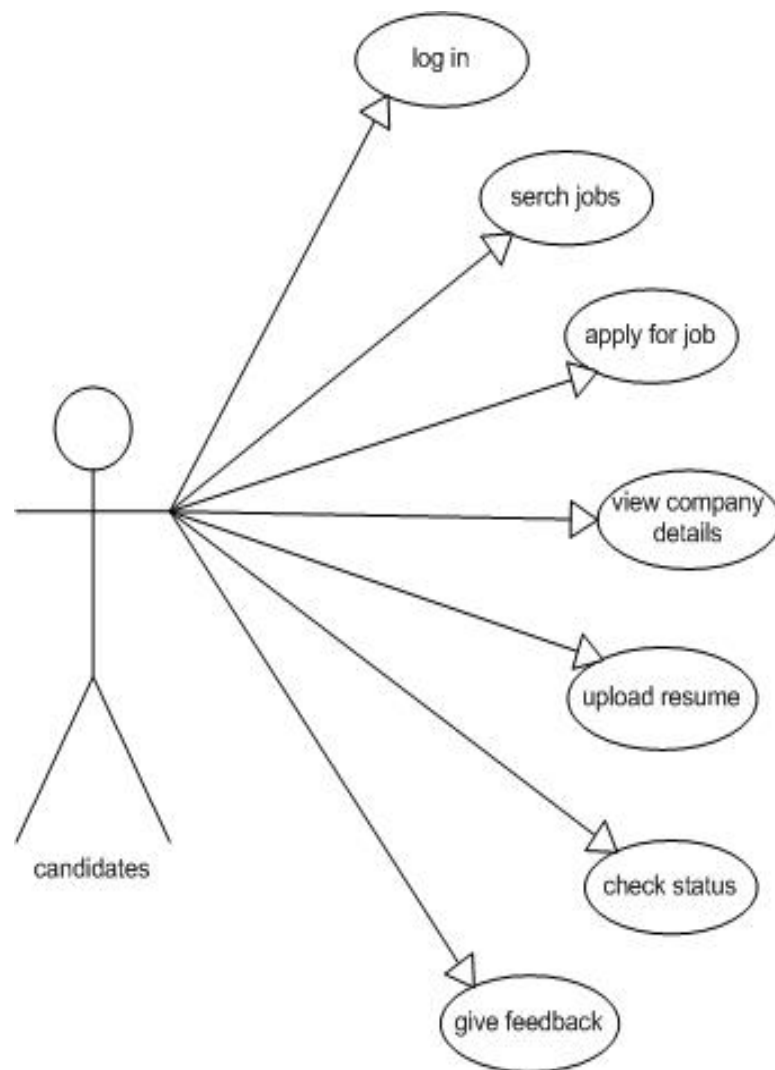
Time Feasibility: -

Project Start Date: - 17-12-2018

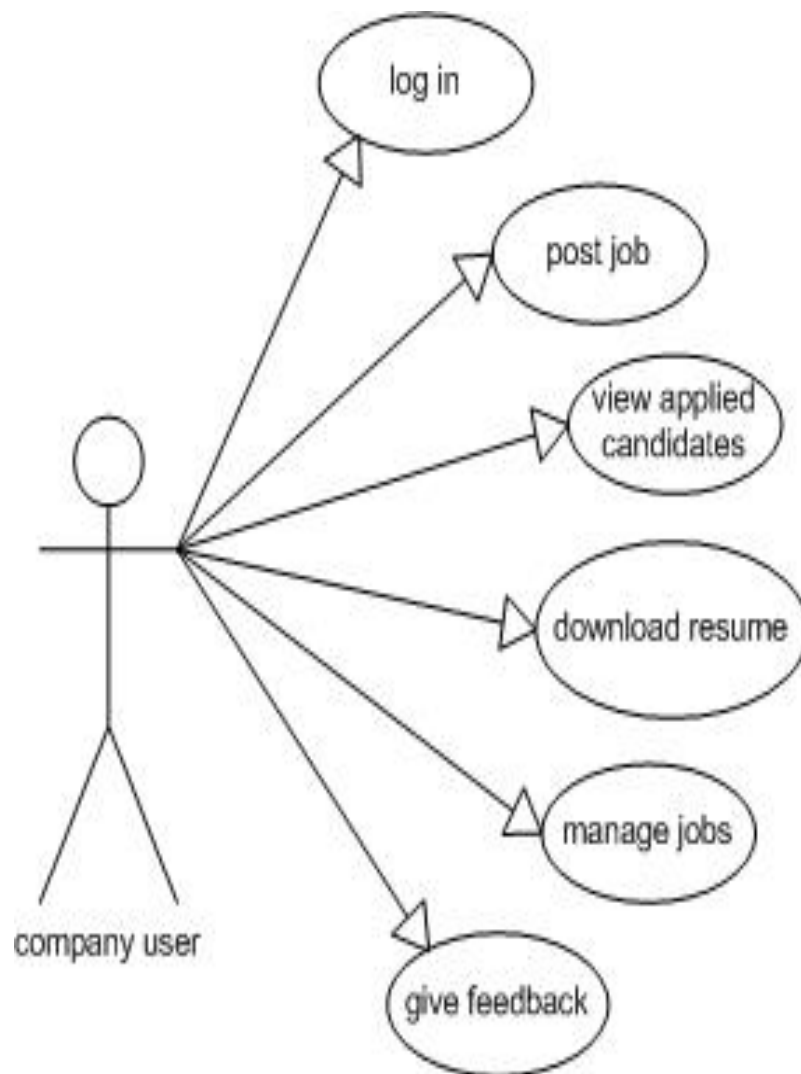
Project End Date: -16-04-2019

3.2.1 Use case diagram

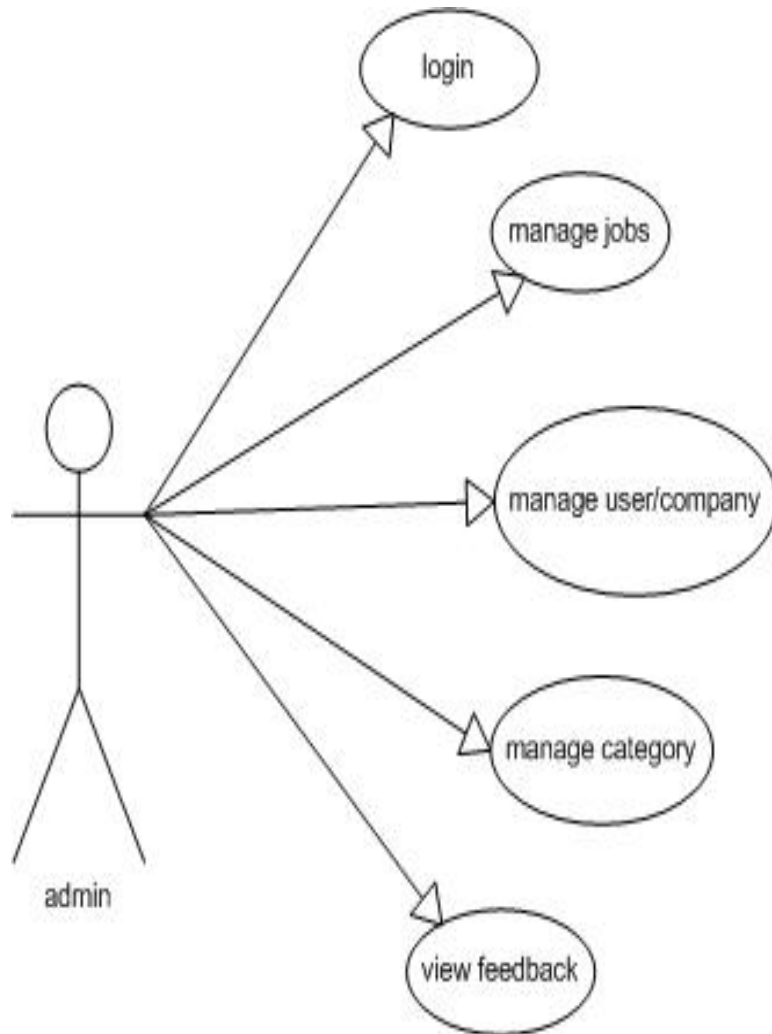
Candidate



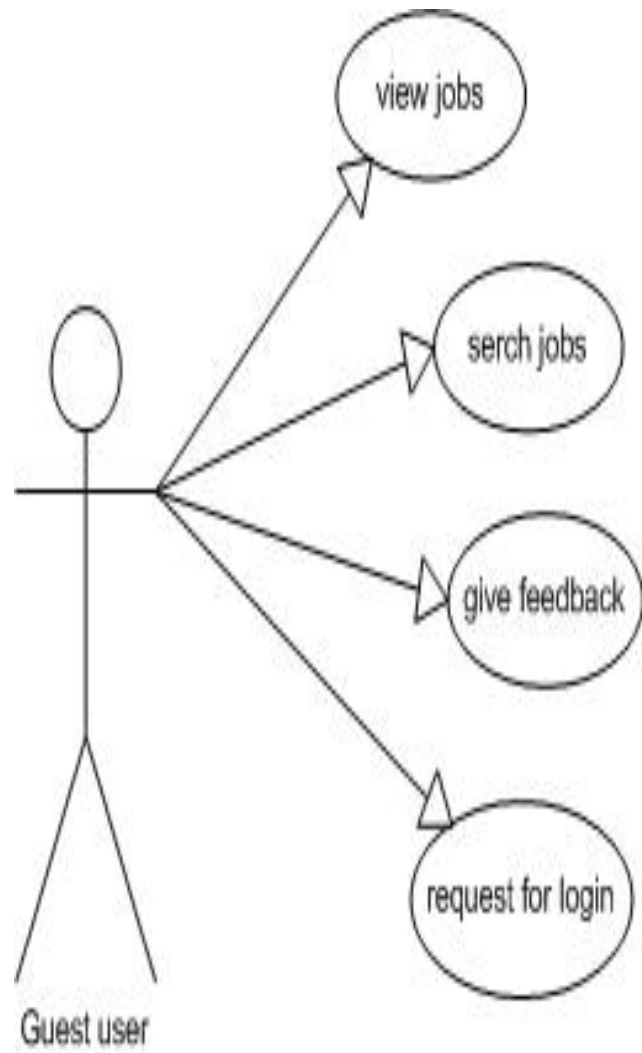
Company



Admin



Guest User



CHAPTER NO: 4

SYSTEM ANALYSIS AND DESIGN DATA BASED

4.1 Data modeling

4.1.1 Data Dictionary

4.1.2 ERD

4.2 Behavioral Modeling

- 1.1.1 Data Flow Diagram
 - 1.1.1.1 Context Level Diagram (Level 0)
 - 1.1.1.2 DFD – Level 1
 - 1.1.1.3 DFD – Level 2
-

4.1.1 Data Dictionary

Tables:

Admin

S.R. No	Field Name	Data Type	Constraint	Description
1	Id	Int (3)	Primary Key	Id of admin
2	Email	Varchar (50)	Not Null	Email of admin
3	Password	Varchar (30)	Not Null	Password of account
4	Name	Varchar (50)	Not Null	Name of admin
5	Photo	Varchar (100)	Not Null	Photo of admin

Category

S.R. No	Field Name	Data Type	Constraint	Description
1	Id	Int (3)	Primary Key	Id of category
2	Name	Varchar (200)	Not Null	Name of category
3	Status	Int (5)	Not Null	Status of category

Slider

S.R. No	Field Name	Data Type	Constraint	Description
1	Id	Int (3)	Primary	Id of slider
2	Image	Varchar (100)	Not Null	Image of slider

3	Heading	Varchar (30)	Not Null	Heading of slider
4	Subheading	Varchar (30)	Not Null	Subheading of slider

Comp_User

S.R. No	Field Name	Data Type	Constraint	Description
1	Id	Int (3)	Primary	Id of comp_user
2	Name	Varchar (30)	Not Null	Name of user
3	Surname	Varchar (30)	Not Null	Surname of user
4	Comp_name	Varchar (30)	Not Null	Name of company
5	Email	Varchar (200)	Not Null	Email of comp_user
6	Password	Varchar (200)	Not Null	Password of account
7	Logo	Varchar (500)	Not Null	Logo of company
8	Security Question	Varchar (200)	Not Null	Security question
9	Answer	Varchar (200)	Not Null	Answer of security question
10	Mobile no	Int (10)	Not Null	Mobile no of comp_user

User

S.R. No	Field Name	Data Type	Constraint	Description
1	Uid	Int (3)	Primary	Id of user
2	Name	Varchar (200)	Not Null	Name of user
3	Surname	Varchar (200)	Not Null	Surname of user
4	Email	Varchar (200)	Not Null	Email of user
5	City	Varchar (200)	Not Null	City of user
6	Username	Varchar (200)	Not Null	Name of user
7	Password	Varchar (200)	Not Null	Password of account
8	Photo	Varchar (500)	Not Null	Photo of user
9	Security Question	Varchar (200)	Not Null	Security question
10	Answer	Varchar (200)	Not Null	Answer of security question
11	Mobile No	Int (10)	Not Null	Mobile no of user
12	Dob	Varchar (200)	Not Null	Birth Date of user
13	Qualification	Varchar (200)	Not Null	Qualification of user
14	Passing year	Int (4)	Not Null	Passing year of user

About

S.R. No	Field Name	Data Type	Constraint	Description
1	Id	Int (4)	Primary	Id of
2	Content	Varchar (500)		Content
3	Subcontent	Varchar (500)		Subcontent
4	Video	Varchar (200)		Video

Post_job

S.R. No	Field Name	Data Type	Constraint	Description
1	Id	Int (3)	Primary	Id of post_job
2	Compid	Int (3)	Foreign Key	Company id
3	Title	Varchar (100)	Not Null	Title of job
4	City	Varchar (100)	Not Null	City
5	Jobtype	Varchar (100)	Not Null	Type of job
6	Category	Varchar (100)	Not Null	Category of job
7	Description	Varchar (500)	Not Null	Description of job
8	Closing date	Date	Not Null	Closing date of job
9	Experience	Varchar (200)	Not Null	Experience of job
10	Salary	Int (200)	Not Null	Salary of job
11	Qualification	Varchar (200)	Not Null	Qualification for job

Testimonial

S.R. No	Field Name	Data Type	Constraint	Description
1	Id	Int (3)	Primary Key	Id of testimonial
2	Image	Varchar (20)		Image of user
3	Description	Varchar (500)		Message of user
4	Name	Varchar (200)		Name of user
5	Comp_name	Varchar (200)		Company name

Feedback

S.R. No	Field Name	Data Type	Constraint	Description
1	Id	Int (3)	Primary Key	Id of feedback
2	Name	Varchar (200)	Not Null	Name of user
3	Email	Varchar (200)	Not Null	Email of user
4	Subject	Varchar (200)		Subject of feedback
5	Message	Varchar (500)	Not Null	Message

Applied_user

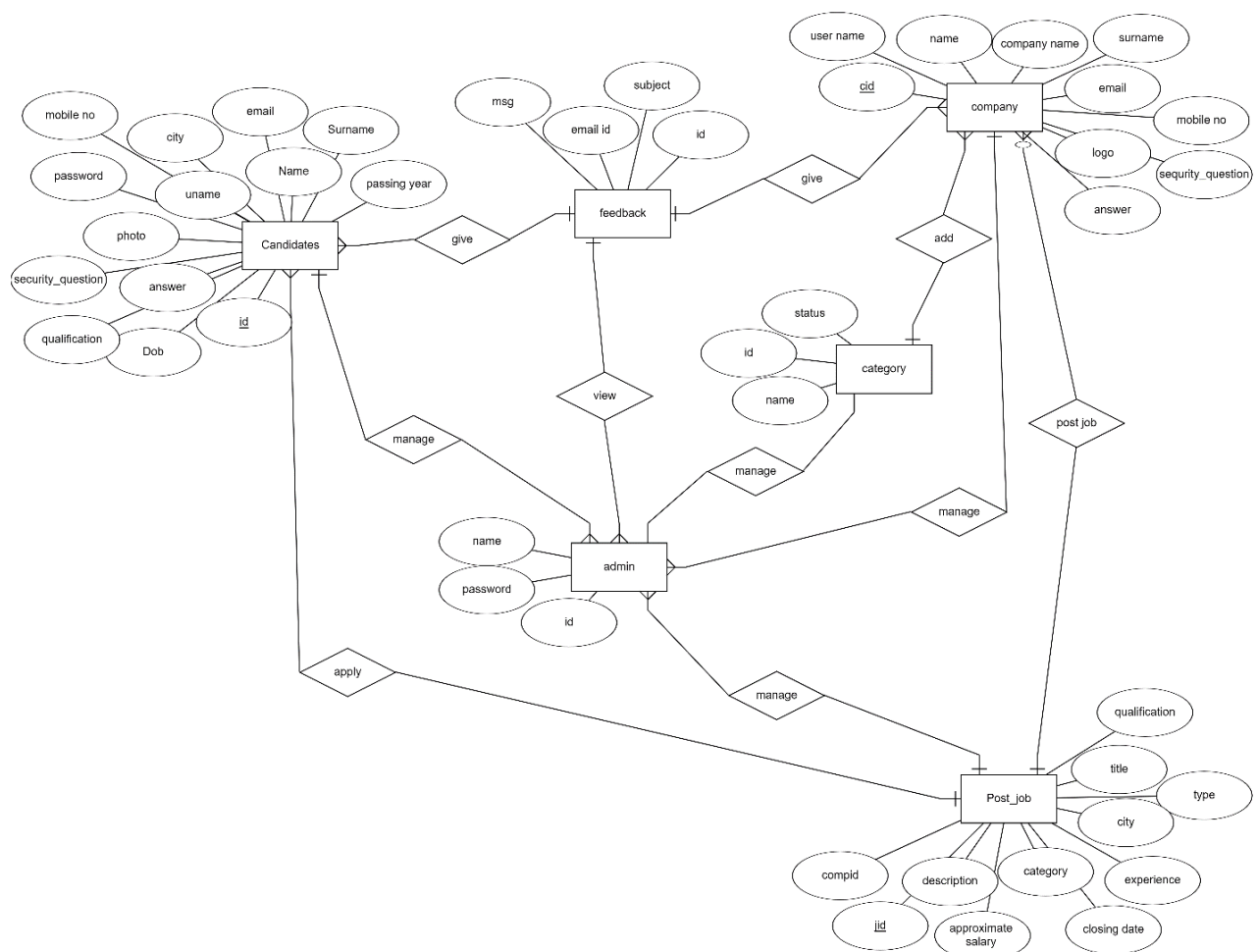
S.R. No	Field Name	Data Type	Constraint	Description
1	Id	Int (100)	Primary	Id of table
2	Job_id	Int (10)	Foreign Key	Job id
3	User_id	Int (10)	Foreign Key	User id
4	Resume_nm	Varchar (100)	Not Null	Resume name

5	Msg	Varchar (200)		Message
---	-----	---------------	--	---------

Selected_user

S.R. No	Field Name	Data Type	Constraint	Description
1	Id	Int (20)	Primary Key	Id of table
2	User_id	Int (20)	Foreign Key	Id of user
3	Job_id	Int (20)	Foreign Key	Job id
4	Meeting_date	date		Meeting date

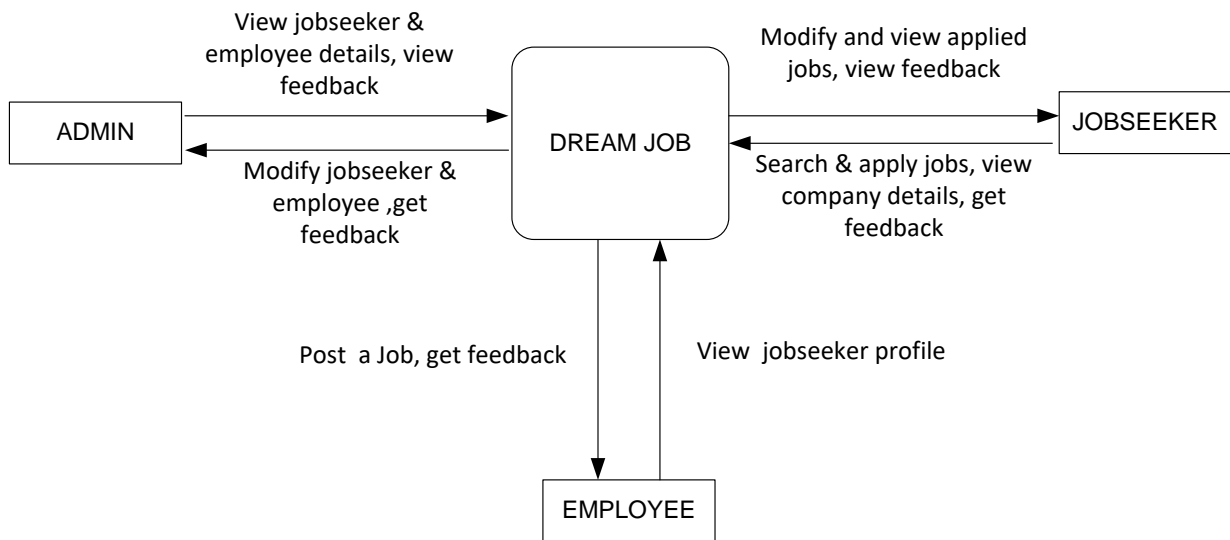
4.1.2 E-R (Entity Relationship) Diagram



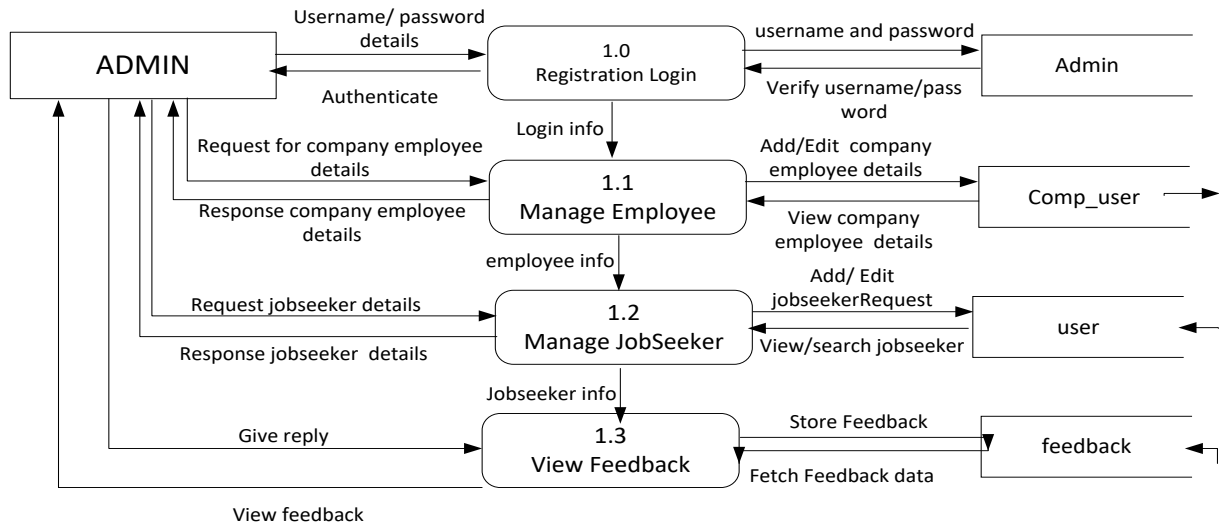
4.2 BEHAVIORAL MODELING

4.2.1 Data Flow Modeling

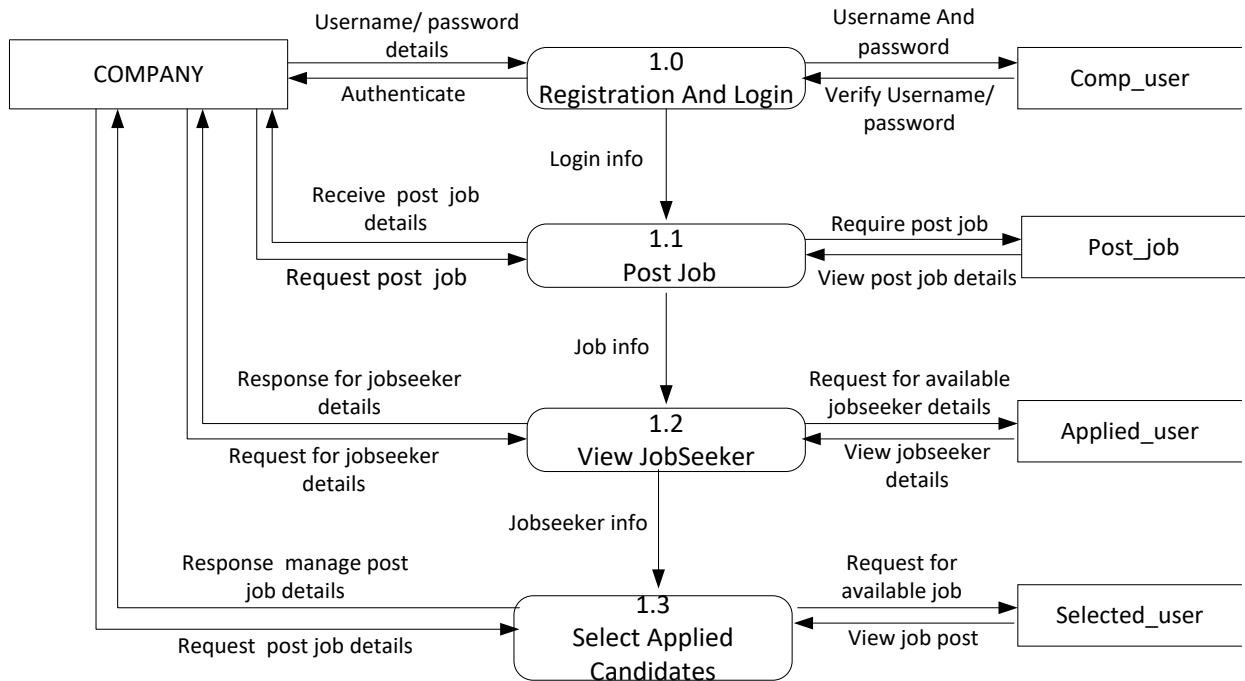
4.2.1.1 Context Level Diagram (Level 0)



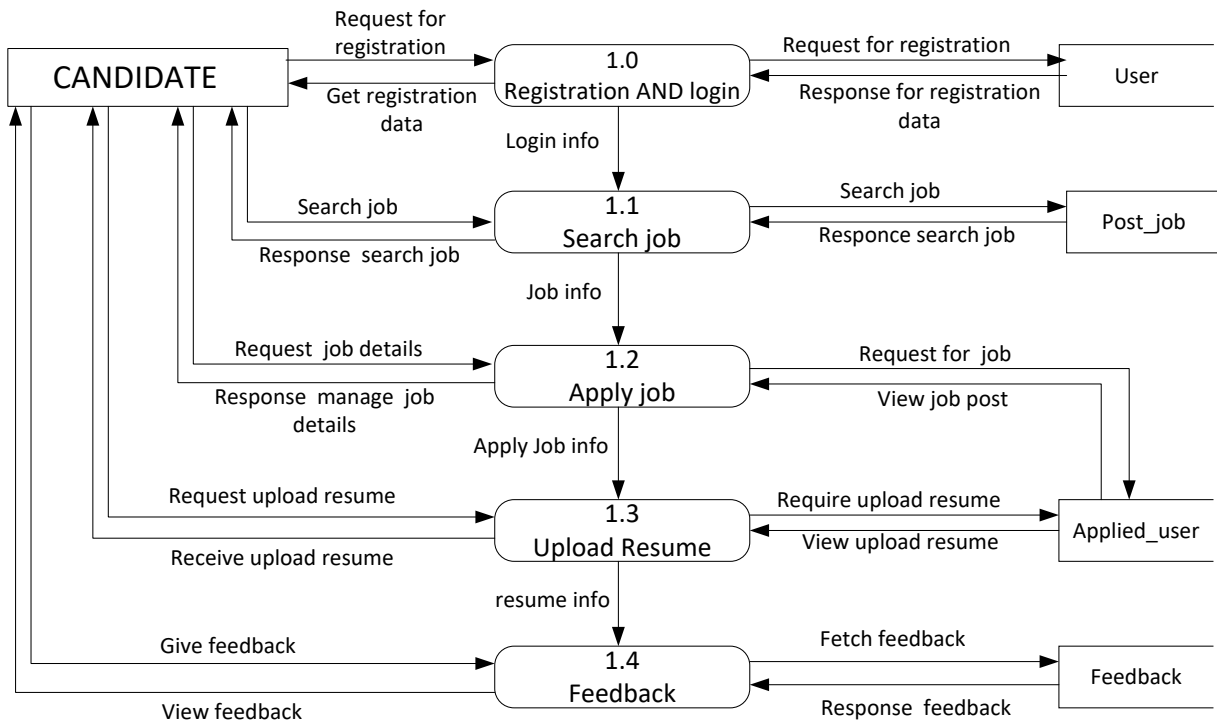
LEVEL-1 DFD ADMIN



LEVEL-1 DFD COMPANY



LEVEL-1 DFD CANDIDATE



CHAPTER NO: 5
CODING AND TESTING

5.0 Coding and Testing

5.1 Sample Code

5.2 Test Cases with Sample Inputs and Outputs

5.1 Sample code

```
<?php $pagenm="post_job";

    session_start ();

if (! isset($_SESSION['comp_user'])) {

    header (" location: index.php"); }

?>

<!DOCTYPE html>

<?php

include 'connect.php';

include 'header.php';

?>

<div class="mj_lightgraytbg mj_toppadding80 mj_bottompadding80">

    <div class="container">

        <div class="row">

            <div class="col-lg-8 col-md-8 col-sm-12 col-xs-12 col-lg-offset-2 col-md-offset-2 col-sm-
offset-0 col-xs-offset-0">

                <div class="mj_mainheading mj_toppadding50 mj_bottompadding50">

                    <h1>P<span>ost</span> <span>a</span> J<span>ob</span></h1>
```

```
<p class="mj_bottompadder20"><strong class="mj_black_text">Have an Account?
</strong> If you don't have an account you can create one below by entering your email
address/username. A password will be automatically emailed to you. </p>
```

```
<!-- <a href="#" class="mj_mainbtn mj_btnblue" data-text="Sign In"><span>sign
in</span></a>-->
```

```
<a data-target="#myModal1" data-toggle="modal" data-text="Add category"
class="mj_mainbtn mj_btnblue"><span>Add category</span></a>
```

```
<div class="modal fade" id="myModal1" role="dialog">
```

```
<div class="modal-dialog">
```

```
<form action="addcategory_process.php" method="post">
```

```
<div class="modal-content">
```

```
<div class="modal-header"> Add category <label class="close btn btn-
default" data-dismiss="modal">&times;</label> </div>
```

```
<div class="modal-body">
```

```
<input type="text" name="cate" required="true"> </div>
```

```
<div class="modal-footer">
```

```
<button type="Submit" class="btn btn-default">Submit</button>
```

```
<button type="button" class="btn btn-default" data-
dismiss="modal">Cancel</button> </div> </div>
```

```
</form>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
<?php
```

```

include 'footer.php';

?>

</body>

</html>

```

5.1 Test cases with simple inputs and outputs

Admin

TEST CASE ID	TEST CASE DESCRIPTION	TEST CONDITION	EXPECTED RESULT	ACTUAL RESULT
1.1	Admin login	Enter null in Username or/and Password	It should not let enter in admin module	
		Enter wrong data of Username or/and Password	It should not let enter in admin module	
		Enter correct data of Username or/and Password	It should let enter in admin module.	
1.2	Check Admin Details	E-mail	E-mail format Must be Input	

		Password	Password should be true	
--	--	----------	-------------------------	--

Company

TEST CASE ID	TEST CASE DESCRIPTION	TEST CONDITION	EXPECTED RESULT	ACTUAL RESULT
1.1	Company User login	Enter null in Username or/and Password	It should not let enter in company User module	
		Enter wrong data of Username or/and Password	It should not let enter in company User module	
		Enter correct data of Username or/and Password	It should let enter in company User module.	
1.2	Input the correct data to post Job Give Feedback information	Enter data in fields	It will post job, id, feedback.	

Candidate

TEST CASE ID	TEST CASE DESCRIPTION	TEST CONDITION	EXPECTED RESULT	ACTUAL RESULT
1.1	Candidate login	Enter null in Username or/and	It should not let enter in user	

		Password	module	
		Enter wrong data of Username or/and Password	It should not let enter in user module	
		Enter correct data of Username or/and Password	It should let enter in user module	
1.2	Input the correct data to add, Search, Apply Job and Give Feedback	Enter null in fields	It will not Search, Apply Job and Give Feedback	
		Enter correct data of all required field	It should let search job, apply job and Give Feedback	

CHAPTER NO: 6
SYSTEM SCREENSHOTS

6.1 Screenshots of the User Interface for all users

CHAPTER NO: 7

FUTURE ENHANCEMENTS (IF ANY)

7.1 Future Enhancement
