

A

PROJECT REPORT ON

Look-IN

Placement Consultancy System

User Defined Project

Submitted by

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Guided by

Asst.Prof. Bhagyshri Lachhwani

In fulfillment for the award of the degree

Of

BACHELOR OF ENGINEERING

In

COMPUTER ENGINEERING

2014-15



AHMEDABAD INSTITUTE OF TECHNOLOGY

NR. VASANTNAGAR TOWNSHIP, GOTA - OGNAJ ROAD

Gujarat Technological University, Ahmedabad

AHMEDABAD INSTITUTE OF TECHNOLOGY
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2015



CERTIFICATE

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| Patent Drafting Exercise (PDE) | Completed |
| Final Project Report | Uploaded |
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Place: Ahmedabad

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Bhagyshri Lachhwani

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“When a person is help, guide and co-operated his heart is bound to pay gratitude.”

My Internship training experience has been filed with interesting challenges and people that I will appreciate forever, numerous people have contributed in varying capacities which permitted completion of this project. I would like to begin by thanks Mr. Harshal Trivedi for guidance, constant inspiration & keen interest shown during the project, and guide towards selecting the project which going to help me in long run in my career. I deliberate my profound sense of gratitude to him. I owe my thank to my faculty guide Prof. Bhagyshri Lachhwani, for guidance and inspiration and constant help in improving my way of presenting my work.

It is not a single man's effort which is sufficient for the accomplishment of a research, various factors, situation and persons integrate to provide the background for accomplishment of a task require the effort of so many people.

In the chain I am immensely thankful and convey my sincere gratitude to Harshal Trivedi he helps me learning in-depth understanding of structure and functions of the organization and analysis of recruitment and selection activities, he guides me by his own experience. I also sincerely thanks to my Ahmedabad Institutes of Computer Applications for allowing me to make this project.

Akash Patel

[110020107052]

ABSTRACT

Look-IN (Placement Consultancy Web Application) is an application which is specifically designed to reduce the work load, improve the efficiency, and make a user friendly environment. Each and every information is available in just single click, all the data are furnished. Anyone can change his/her personal detail from anywhere anytime. By using this application, Consultant can manage Candidate Detail, Job Detail and Scheduling of an interview, generating a report. Candidate can view the scheduled interview and can update profile. Client/Company can update the interview result using this online application, can update the company profile, view the outstanding due, total payment has done, can view placed candidate detail. Even, candidate can receive an email of the scheduled interview detail and update on interview. In this application, Admin is managing payment detail he\she is just bothered about the total payment received by the company. Fair rate of each job is discussed in prior of scheduling job. We can generate a report and make it available in any format i.e. pdf, xls, html.

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ABBREVIATIONS

API - Application Program Interface

SMTP - Simple Mail Transfer Protocol

POP3 - Post Office Protocol version 3

GNU - GNU's not UNIX

NNTP - Network News Transfer Protocol

IMAP - Internet Message Access Protocol

J2EE - Java 2 Enterprise Edition

JSP - Java Server Page

CSS - Cascading Style Sheets

JS – JavaScript

SMS - Short Message Service

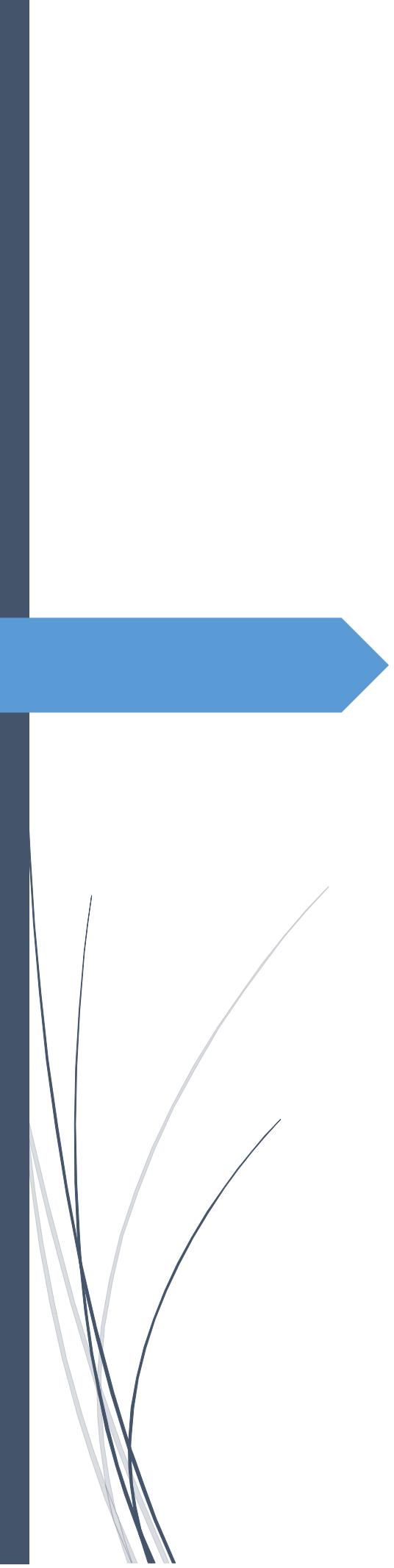
MD5 - Message-Digest algorithm 5

URL - Uniform resource locator

H/W – Hardware

S/W – Software

GUI – Graphical User Interface



CHAPTER: 1

INTRODUCTION

1.1 PROBLEM SUMMARY

- ❖ Implementing proper recruitment procedure helps to ensure that the right person is hired for the right job
- ❖ Managing the complete recruitment life-cycle for sourcing the best talent was a time consuming and tedious task
- ❖ Maintenance of HR information system like clients requirements , interview schedule & status of candidate was difficult

1.2 INTRODUCTION

Placement Consultancy system (Look-IN) is a web-based application. Which is designed to reduce the HR management's work flow. Today's business has grown to be very complex & dynamic. In today's world we all have to face a number of challenges. The important areas like market technology composition of workforce, attitude & expectation of people are changing rapidly. Due to all the factors an organization has to take a fresh look at their different functions areas to modify & improve the kind & style of management so as to reach its goal easily. There has to be continuously & effective modification in the management policy due to market functions.

The major role of Consultant person is to ensure right man at right place. Human resource is an integrated part of organizational development & its existence.

In today's competitive world, every company needs good employees for an accelerated growth rate. The recruitment and selection strategies of a particular organization are believed to have an impact on this growth and success rate of the organization. Thus it is very important for an employee to design his recruitment process steps very well.

So recruitment place an important in every organizations. The whole development of organization depend on its manpower; strong manpower can achieve the organizational goal very quickly; achieve systematic integration of training with organization's mission stimulate constructive interaction between employees problem perspective of the organization; establish a distinctive work culture for the organization.

1.3 AIM AND OBJECTIVES

- ❖ We can directly communicate with company member and can show our full portfolio with available number of candidate and total placed candidate
- ❖ We can have fully furnished student data with specialized skill
- ❖ Easily communicate to a group of candidate who has applied to a specific job
- ❖ Sending the Interview venue detail and communicate to a candidate is easy
- ❖ Candidate can ask for change in interview in schedule by online
- ❖ Candidate can send resume online and can edit anytime , anywhere
- ❖ Company member can fill its company detail and portfolio so that candidate can have detail about the company in which he has applied
- ❖ We can generate report by providing different criteria
- ❖ Admin can have a detail about ongoing recruitment process and outstanding payment of company/Client

1.4 PROBLEM SPECIFICATION

- ❖ Consultant company member has to individually call and ask for resume
- ❖ To maintain all the candidate detail and to filter out was a tedious task
- ❖ Scheduling the interview and Follow up was difficult
- ❖ Maintain the individual record was difficult
- ❖ Manually searching the candidate and ask for resume was difficult
- ❖ Searching the right candidate, filter out and interview schedule was done manually, which lead to confusion and sometime duplication of data too
- ❖ Maintaining the company detail, portfolio was difficult
- ❖ Managing the multiple job for multiple company with multiple candidate leads to confusion and misguide the consultant
- ❖ Report was generated manually so there might be possibility that it does not contain the latest record

1.5 LITERATURE REVIEW & PRIOR ART SEARCH

1.5.1 LITERATURE REVIEW

Introduction

Companies are going to use Internet for their job procurement process, to search for job seekers and publish open positions. The Internet gains continuously in importance regarding job procedure process since more than three-quarter of the age, class and online recruitment services have proved to be one of the most successful and popular information services on the Internet. The Internet currently consists of approximately 800 million pages of information across more than 8 million Web sites, and there are over 200 million regular users from all walks of life with varying degrees of computer literacy and a wide range of interests and preferences.^[4] E-recruitment is defined as the utilization of the Internet for candidate sourcing, selection, communication and management throughout the recruitment process. They provide job seekers with a comprehensive database of categorized jobs and the ability to submit resumes and apply for jobs online.

Benefits:

This finding is significant because the cost for e-recruitment is much cheaper than the traditional hiring process. A research found that a usable e-recruiting system reduces the hiring time by two-third and lower costs by 90%. The migration from paper based services to electronic version has wide-open the potential of e-recruiting application to provide fast and convenience services to the users. The barrier free of the system encourages job seekers to apply for job online.^[4] The techniques and metrics that used in the recruiting system could generate high-quality graded user profiles from the server logs. Employers are allowed to reach as many potential hiring as possible, as the employers can reach for the potential workers across the regional to meet the company needs. By the use of this we can get effectiveness, efficiency and satisfaction in a specified context of use.

Evaluating Existing System:

Success of the organization is depend on availability of the end users. The average Internet user is not an information retrieval expert means that the average search query is poorly constructed and either too broad or too specific; in fact recent studies indicate that the average search query contains only two or three search terms. The inevitable outcome is that the average user is faced with search results that run into thousands or even tens of thousands of supposedly relevant documents. This is impractical, and the average user rarely

gets beyond the first page or two of search results, and often fails to find the document that they are looking for.^[5]

Sarawak Government e-recruitment:

Website the e-recruitment website is provides an easy way to search and apply for vacancies in the Sarawak State Government. It allows submission and updates the application, personal details and qualification online, anywhere, anytime. Applicants can view application status and interview details online. ¹⁷ However, the usability problems that are violations towards the usability principles have been identified. The ineffectiveness of the search engine does not provide any option for job category search. The search engine is limited keyword availability. There are no instructions or hint to highlight the type of job category is available. There are no broken hyperlinks provided and the format style of the topic is similar to the format style of hyperlink. This confuses the users to hardly recognize where they are on particular site. The information and image is always not up to date. The image shown is not attractive to encourage the user to keep on staying. Attractiveness is resulted from matching what user need from website and the design that they expect (Van Duyne 2002).

Proposed System:

In our proposed Look-IN job portal, we are focusing on providing a platform for the ICT expert to provide their expertise to the employers among the regional by easily get the information from the portal. The type of information provided is the basic design of the portal. The information of the expert or employers should meet the needs of each other. Information will cause data overload and redundancy of the system. Other than that, the help function or instruction will be provided to the users when facing any problem as a guideline. Search function will be provided as well for the users to search on the information of ICT expert or employers.

Email alert will be given to the particular ICT expert when they are targeted by the employers. A save job function will be available for the ICT experts to save the jobs they interested on as further reference or further apply. The user interface of the ICT expert job portal will be user friendly as users can upload or register themselves in format of text file and drop down list will be provided to select ¹⁸ their personal qualification.

This avoids data redundancy and inconsistent data. List of information of the ICT expert who willing to provide their expertise will be shown for the general users who need

the particular expertise to select. Email will be sent to the users when there is any latest new or information available and also SMS will be delivered. Colorful images and attractive format style of topic will be update from time to time in order to give a great impression to the users for staying on the web site. Images or photos for the companies are allowed to be uploaded so that the ICT expert can have deeper impression on the companies. In order to attract users to join the job portal, the system will provide personality assessment form for the users to assess their personality during registration or updating profile. They can specify their prerequisite qualification to look for the best match to meet their own needs.

1.5.2 PRIOR ART SEARCH

Table No 1.1 Prior art search

| Sr. No | Title of Invention | Application no. | Patent no. |
|--------|---|-------------------|----------------------------------|
| 1 | Partner portal solution for financial sector | 13/519,536 | 13/519,536 61/573,105 |
| 2 | Method and system for web based job portal | 13/573,220 | 13/573,220 |
| 3 | Employment portal enabling interactive mobile contact feedback and advertisement | 13/137,591 | 13/137,591 |
| 4 | Intelligent job matching system and method including preference | 11/441,638 | 11/441,638 |
| 5 | Method for a job seeker landing page | 13/859,232 | 13/859,232 |

1.6 PLAN OF WORK

1.6.1 PROJECT PLAN

Table No 1.1 Project plan

| Task | From Date | To Date |
|----------------------|------------------------|-------------------------|
| Requirement analysis | 5 Sept 2015 | 31 December 2015 |
| Designing | 1 January 2015 | 21 January 2015 |
| Implementation | 22 January 2015 | 11 April 2015 |
| Testing | 12 April 2015 | 23 April 2015 |
| Deployed | 24 April 2015 | 24 April 2015 |
| Maintenance | 25 April 2015 | 25 April 2015 |

Placement and selection is the major function of the Placement Consultancy System and recruitment process is the first step towards creating the competitive strength and the strategic advantage for the organization.

Core Components of the web-application is Consultant, administrator.

Here I had briefly explained the workflow of consultant.

PROCESS:

1. Identifying the vacancy

The recruitment process begins with the human resource department receiving requisition for recruitment from any department of the company.

These Contains:

- Posts to be filled
- Number of person
- Duties to be performed.
- Qualification required
- Experience (if required)

2. Creating job Description

- Before the recruitment process begins a job description should be created indicating various aspects which are important to the position being advertised.

3. Advertising the job description

- Advertisement should be open for 2-4 weeks allowing candidate reasonable time period to respond.

Advertisement can be done internally & externally as follows

- Internal : notice boards, public spaces in the company, communicated verbally through meetings
- External : Publishing post on web-application, local newspaper

4. Determine the appropriate selection process

- The selection process will vary depending on the level of job you are recruiting for

For Example: if you are recruiting managerial position, you may have a panel to interview applicants. If you are applying for developer post, than it might have skills test. That is depend upon the job for which you had applied and recruiter company's policy

5. Assess short listed candidate

- Candidate are short listed by team member of our placement consultancy
- Generally we individually call to candidate who are seeking for a job and get the conformation

6. Schedule interview

- Candidate who are interested for a job and wants to apply, than we schedule an interview for them
- This schedule are subject of conformation by candidate.

7. Finalize candidate

- When candidate clear all interview round, than we get the final confirmation from company's end

1.6.2 MILESTONES & DELIVERABLES

- Preliminary Investigation: Understanding client's requirement and proposal approved.
- Requirement Analysis: System requirement specification & designed approved.
- System Design: System architectural & database designs.
- Coding: Programming according to the program specification document begins.
- Support: Technical support.
- Acceptance Testing: Complete approval from client side.
- Sign off: Successful closing of the project.

1.6.3 ROLES AND RESPONSIBILITIES

Proposed System:

- Candidate can send resume online and can edit anytime , anywhere
- Company member can fill its company detail and portfolio so that candidate can have detail about the company in which he has applied
- We can generate report by providing different criteria
- Admin can have a detail about ongoing recruitment process and outstanding payment of company/Client

Target User:

Consultant:

- ◆ Consultant is an employee of our system whose job is to find the right candidate, schedule interview, register a candidate if he/she is not a registered.
- ◆ Consultant also manage the company's detail and recruitment detail
- ◆ He can generate report and send it too admin.

Company/Client:

- ◆ Client is a HR-employee of a company, who is handling the company's account. He manage the company's portfolio. Client can see the interview scheduled by consultant and candidate who are supposed to come.
- ◆ He can also see the total placed candidate till now.

Candidate:

Candidate is the one who are seeking for a job. Candidate can see the schedule of interview. He/she can also ask for find a job and apply for job.

1.7 MATERIAL AND TOOLS

Eclipse Luna:

The Eclipse Luna **IDE** is an open-source Integrated Development Environment, a software tool that you can download and use for free to develop applications. The Eclipse **Platform** is an extensible framework which you can use to build professional OS-independent desktop applications. Eclipse IDE provides first-class comprehensive support for the newest Java technologies and latest Java enhancements before other IDEs.

MVC Framework:

Model–view–controller (MVC) is a software pattern for implementing user interfaces. It divides a given software application into three interconnected parts, so as to separate internal representations of information from the ways that information is presented to or accepted from the user.

- ❖ Model - Model represents an object or JAVA POJO carrying data. It can also have logic to update controller if its data changes
- ❖ View - View represents the visualization of the data that model contains
- ❖ Controller - Controller acts on both Model and view. It controls the data flow into model object and updates the view whenever data changes. It keeps View and Model separate

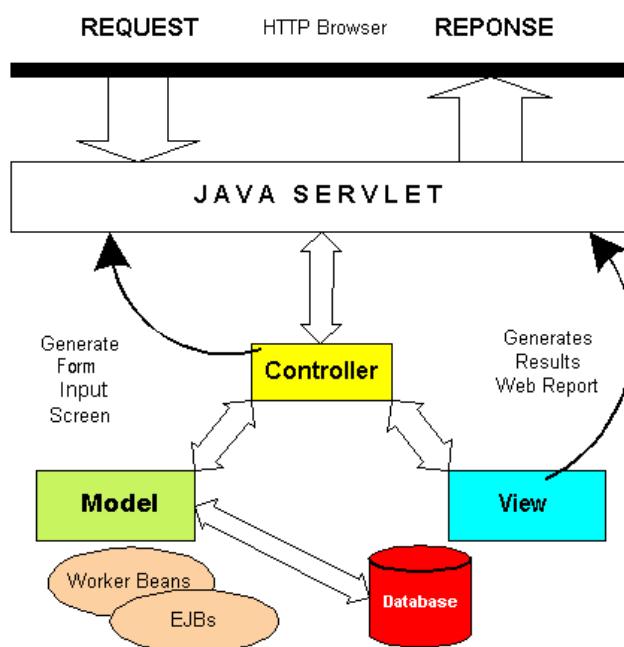


Figure 1.1 Tools & Technology

Java Hibernate:

Hibernate is a popular open-source Framework for advance java technology. It simply reduce work of developer for developing web application. It can has its own query language it will manage mapping the data member itself. I have used Version: 3.5.1.v20130102-1835-H100-Final of Hibernate. It was released on 14th April 2010.

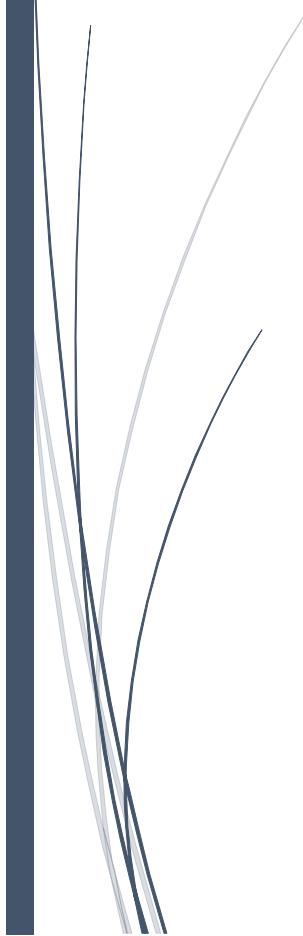
APIs : (Java Mail & Google Maps):

JavaMail is a Java API used to send and receive email via SMTP, POP3 and IMAP. JavaMail is built into the Java EE platform, but also provides an optional package for use in Java SE. The current version is 1.5.1, released on November 13, 2013. Another open source JavaMail implementation exists - GNU JavaMail - while supporting only version 1.3 of JavaMail specification, it provides the only free NNTP backend, which makes possible to use this technology to read and send news group articles.^[8]

Google Maps API is work on Google Maps JavaScript API V3 Reference to locate your place on global platform. This reference documents version 3.19 (the release version) of the Maps Javascript API released February 15, 2015.^[8]

CHAPTER: 2

DESIGN: ANALYSIS, DESIGN METHODOLOGY AND IMPLEMENTATION STRATEGY



2.1 IMPLEMENTATION STRATEGY

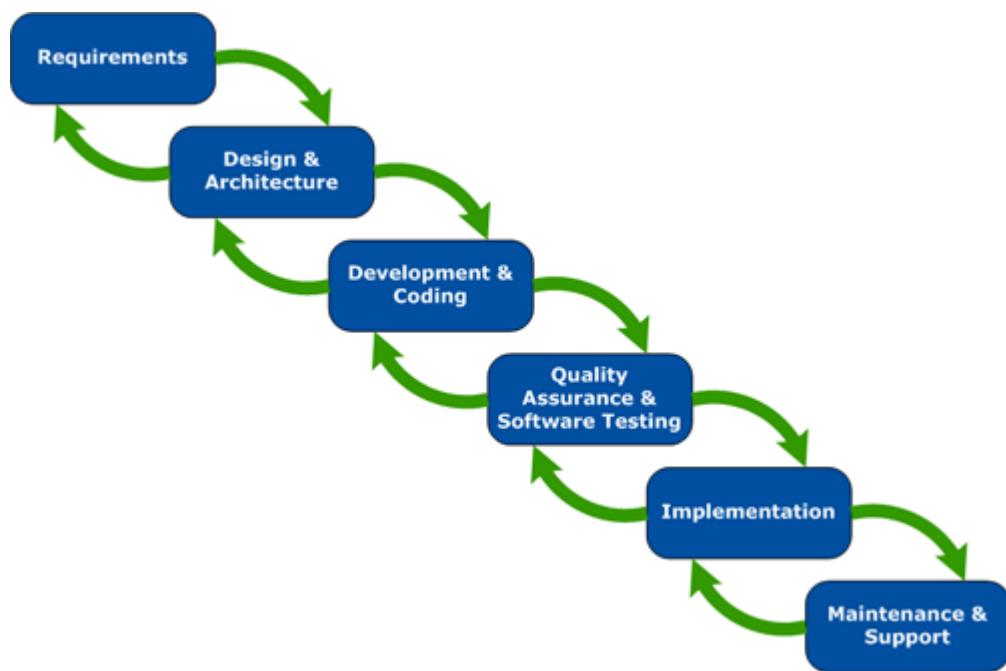


Figure 2.1 Sashimi Waterfall Model.

Waterfall Method of project management that moves from one stage of the project to the next without returning to a previous stage. This method has widely become regarded as problematic because it is too inflexible to handle the inevitable change that will occur as a project progresses.

There is a natural learning curve during any new endeavor and a project is better off if there is some allowance for adjustments based on what is discovered during development process. The need to make adjustments to an original set of requirements has led project managers to widely a modified Waterfall Method. This method is also known as the **Sashimi Waterfall Model**. This method has the same stages as the original Waterfall Method.

The difference in the model is that the stages have some overlap, meaning that there are many tasks that happen concurrently. This overlap allow for some back tracking to incorporate changes to requirements based on what is learned during the development stage.

2.1.1 BENEFITS OF WATERFALL MODEL

- ❖ Simple and easy flow
- ❖ The up side to the flexible nature of this model is that there is a lot more flexibility to correct mistakes and make small changes, leading to less re-work later on in the project.
- ❖ Each phase lays out its deliverable, followed by a validation process
- ❖ Excellent work progress tracking system
- ❖ Simple and feasible
- ❖ Includes a verification process to monitor and resolve errors
- ❖ Another advantage is that there is usually less paper work burdening the members of the project team as the documentation is more in line with the fluid nature of the project.

2.1.2 DRAWBACK OF WATERFALL MODEL

- ❖ With the introduction of flexibility comes an increase in the complexity of managing each phase.
- ❖ If this limit isn't put in place the project runs the risk of not staying on schedule.

2.2 DATA DICTIONARY

| | |
|-------------|--|
| | Master Tables |
| Table Name | Add_user_VO |
| Table No | 2.1 |
| Description | Details of user are store under this table |
| Type | Master |

| Field Name | Datatype | Constraint | Example |
|------------|---------------|------------|-------------------------------------|
| User_ID | Int | PK | 1,2,3,... |
| Email_ID | Varchar(Auto) | Not Null | Job_seeker, Job_lister, Admin |
| Contact No | Varchar(Auto) | Not Null | 9949***** |
| Password | Varchar(Auto) | Not Null | **** |

| | |
|-------------|----------------------------|
| Table Name | Add_country_VO |
| Table No | 2.2 |
| Description | Country name is store here |
| Type | Master |

| Field Name | Datatype | Constraint | Example |
|---------------------|---------------|------------|-------------------------|
| Country_id | Int | PK | 1,2,3,... |
| Country_name | Varchar(Auto) | Not Null | India, Australia,... |
| Country_description | Varchar(Auto) | Allow Null | Xyz, ... |

| | |
|-------------|------------------------------|
| Table Name | Add_category_VO |
| Table No | 2.3 |
| Description | Category name is store here. |
| Type | Master |

| Field Name | Datatype | Constraint | Example |
|---------------------|---------------|------------|-----------------------|
| Category_ID | Int | PK | 1,2,3,... |
| Category_name | Varchar(Auto) | Not Null | Government,Private,.. |
| Category_descriptin | Varchar(Auto) | Allow Null | Xyz,... |

| | |
|-------------|------------------------------------|
| Table Name | Add_UG_field_specification_VO |
| Table No | 2.4 |
| Description | UG field name set are stored here. |
| Type | Master |

| Field Name | Datatype | Constraint | Example |
|------------------------------------|---------------|------------|----------------|
| UG_field_specification_ID | Int | PK | 1,2,3,... |
| UG_field_specification_name | Varchar(Auto) | Not Null | Computer,IT,.. |
| UG_field_specification_description | Varchar(Auto) | Allow Null | Xyz,... |

| | |
|-------------|------------------------------------|
| Table Name | Add_PG_field_specification_VO |
| Table No | 2.5 |
| Description | PG field name set are stored here. |
| Type | Master |

| Field Name | Datatype | Constraint | Example |
|------------------------------------|---------------|------------|----------------|
| PG_field_specification_ID | Int | PK | 1,2,3,... |
| PG_field_specification_name | Varchar(Auto) | Not Null | Computer,IT,.. |
| PG_field_specification_description | Varchar(Auto) | Allow Null | Xyz,... |

| | |
|-------------|-------------------------------------|
| Table Name | Add_PHD_field_specification_VO |
| Table No | 2.6 |
| Description | PHD field name set are stored here. |
| Type | Master |

| Field Name | Datatype | Constraint | Example |
|-------------------------------------|---------------|------------|----------------|
| PHD_field_specification_ID | Int | PK | 1,2,3,... |
| PHD_field_specification_name | Varchar(Auto) | Not Null | Computer,IT,.. |
| PHD_field_specification_description | Varchar(Auto) | Allow Null | Xyz,... |

Transactional Tables

| | |
|------------------|---------------------------|
| Table Name | Add_state_VO |
| Table No | 2.7 |
| Description | State name is store here. |
| References table | Add_country_VO |
| Type | Transactional |

| Field Name | Data type | Constraint | Example |
|-------------------|---------------|------------|-----------------|
| State_ID | Int | PK | 1,2,3,... |
| Country_ID | Int | FK | 1,2,3,.. |
| State_name | Varchar(Auto) | Not Null | Gujarat, Mumbai |
| State_description | Varchar(Auto) | Allow Null | Xyz,... |

| | |
|------------------|------------------------------|
| Table Name | Add_city_VO |
| Table No | 2.8 |
| Description | City name is store here. |
| References table | Add_country_VO, Add_state_VO |
| Type | Transactional |

| Field Name | Data type | Constraint | Example |
|-----------------|---------------|------------|-----------------------|
| City_ID | Int | PK | 1,2,3,... |
| State_ID | Int | FK | 1,2,3,... |
| Country_ID | Int | FK | 1,2,3,.. |
| City_name | Varchar(Auto) | Not Null | Ahmedabad,Banglore,.. |
| City_descriptin | Varchar(Auto) | Allow Null | Xyz,... |

| | |
|------------------|---------------------------------|
| Table Name | Add_subcategory_VO |
| Table No | 2.9 |
| Description | Subcategory name is store here. |
| References table | Add_category_VO |
| Type | Transactional |

| Field Name | Data type | Constraint | Example |
|----------------|-----------|------------|-----------|
| Subcategory_ID | Int | PK | 1,2,3,... |
| Category_ID | Int | PK | 1,2,3,... |

| | | | |
|------------------------|---------------|------------|-----------------------|
| Subcategory_name | Varchar(Auto) | Not Null | Engineering,Medical.. |
| Subcategory_descriptin | Varchar(Auto) | Allow Null | Xyz,... |

Table Name Add_role_VO
 Table No 2.10
 Description Role name is stored here.
 References table Add_category_VO, Add_subcategory_VO
 Type Transactional

| Field Name | Data type | Constraint | Example |
|-----------------|---------------|------------|-----------------------|
| Role_ID | Int | PK | 1,2,3,... |
| Subcategory_ID | Int | PK | 1,2,3,... |
| Category_ID | Int | PK | 1,2,3,... |
| Role_name | Varchar(Auto) | Not Null | Developer,Engineer,.. |
| Role_descriptin | Varchar(Auto) | Allow Null | Xyz,... |

Table Name Add_specialize_course_for_UG_VO
 Table No 2.11
 Description UG course name set are stored here.
 References table Add_UG_field_specification_VO
 Type Transactional

| Field Name | Data type | Constraint | Example |
|--------------------------------------|---------------|------------|----------------|
| Specialize_course_for_UG_ID | Int | PK | 1,2,3,... |
| UG_field_specification_ID | Int | PK | 1,2,3,... |
| Specialize_course_for_UG_name | Varchar(Auto) | Not Null | Computer,IT,.. |
| Specialize_course_for_UG_description | Varchar(Auto) | Allow Null | Xyz,... |

Table Name Add_university_for_UG_VO
 Table No 2.12
 Description UG University name set are stored here.
 References table Add_UG_field_specification_VO,
 Add_specialize_course_for_UG_VO
 Type Transactional

| Field Name | Data type | Constraint | Example |
|-----------------------------|---------------|------------|------------|
| University_for_UG_ID | Int | PK | 1,2,3,... |
| Specialize_course_for_UG_ID | Int | PK | 1,2,3,... |
| UG_field_specification_ID | Int | PK | 1,2,3,... |
| University_UG_name | Varchar(Auto) | Not Null | GTU, Nirma |
| University_UG_description | Varchar(Auto) | Allow Null | Xyz,... |

Table Name Add_specialize_course_for_PG_VO
 Table No 2.13
 Description PG course name set are stored here.
 References table Add_PG_field_specification_VO
 Type Transactional

| Field Name | Data type | Constraint | Example |
|--------------------------------------|---------------|------------|----------------|
| Specialize_course_for_PG_ID | Int | PK | 1,2,3,... |
| PG_field_specification_ID | Int | PK | 1,2,3,... |
| Specialize_course_for_PG_name | Varchar(Auto) | Not Null | Computer,IT,.. |
| Specialize_course_for_PG_description | Varchar(Auto) | Allow Null | Xyz,... |

Table Name Add_university_for_PG_VO
 Table No 2.14
 Description PG University name set are stored here.
 References table Add_PG_field_specification_VO,
 Add_specialize_course_for_PG_VO
 Type Master

| Field Name | Data type | Constraint | Example |
|-----------------------------|---------------|------------|-----------------------------|
| University_for_PG_ID | Int | PK | 1,2,3,... |
| Specialize_course_for_PG_ID | Int | PK | 1,2,3,... |
| PG_field_specification_ID | Int | PK | 1,2,3,... |
| University_PG_name | Varchar(Auto) | Not Null | GTU, Nirma University,.. |
| University_PG_description | Varchar(Auto) | Allow Null | Xyz,... |

| | |
|------------------|--------------------------------------|
| Table Name | Add_specialize_course_for_PHD_VO |
| Table No | 2.15 |
| Description | PHD course name set are stored here. |
| References table | Add_PHD_field_specification_VO |
| Type | Transactional |

| Field Name | Data type | Constraint | Example |
|---------------------------------------|---------------|------------|----------------|
| Specialize_course_for_PHD_ID | Int | PK | 1,2,3,... |
| PHD_field_specification_ID | Int | PK | 1,2,3,... |
| Specialize_course_for_PHD_name | Varchar(Auto) | Not Null | Computer,IT,.. |
| Specialize_course_for_PHD_description | Varchar(Auto) | Allow Null | Xyz,... |

| | |
|------------------|---|
| Table Name | Add_university_for_PHD_VO |
| Table No | 2.16 |
| Description | PHD University name set are stored here. |
| References table | Add_PHD_field_specification_VO, Add_specialize_course_for_PHD_VO |
| Type | Transactional |

| Field Name | Datatype | Constraint | Example |
|------------------------------|---------------|------------|--------------------------|
| University_for_PHD_ID | Int | PK | 1,2,3,... |
| Specialize_course_for_PHD_ID | Int | PK | 1,2,3,... |
| PHD_field_specification_ID | Int | PK | 1,2,3,... |
| University_PHD_name | Varchar(Auto) | Not Null | GTU, Nirma University,.. |
| University_PHD_description | Varchar(Auto) | Allow Null | Xyz,... |

| | |
|------------------|---------------------------------|
| Table Name | Add_company_VO |
| Table No | 2.17 |
| Description | Company details are store here. |
| References table | Add_city_VO, Add_user_VO |
| Type | Transactional |

| Field Name | Datatype | Constraint | Example |
|------------|----------|------------|-----------|
| Company_ID | Int | PK | 1,2,3,... |
| City_ID | Int | FK | 1,2,3,... |

| | | | |
|----------------------|---------------|------------|---|
| User_ID | Int | FK | 1,2,3,... |
| Company_name | Varchar(Auto) | Not Null | Nike, Adidas,... |
| Company_URL | Varchar(Auto) | Not Null | http://www.facebook.com/ |
| Company_email | Varchar(Auto) | Not Null | xyz@gmail.com ,... |
| Company_contact_no | Long | Not Null | 9427***** |
| Company_profile | Varchar(Auto) | Not Null | MNC Java based |
| Company_portfolio | Varchar(Auto) | Allow Null | Other services |
| Company_address | Varchar(Auto) | Not Null | 15,Address |
| Company_facebook_URL | Varchar(Auto) | Allow Null | http://www.facebook.com/XYZ |
| Company_twitter_URL | Varchar(Auto) | Allow Null | http://www.twitter.com/XYZ |
| Company_google_URL | Varchar(Auto) | Allow Null | http://www.google.com/XYZ |
| Company_headline | Varchar(Auto) | Allow Null | Honesty is the... |
| Company_expertises | Varchar(Auto) | Allow Null | Java,.net,.. |
| Company_logo_path | Varchar(Auto) | Not Null | Zdgrsv5hh4h44d3v33bh5h.jpg |

Table Name Add_jobseeker_VO
 Table No 2.18
 Description Jobseekers details are store here.
 References table Add_city_VO, Add_user_VO
 Type Transactional

| Field Name | Datatype | Constraint | Example |
|----------------------|----------|------------|-----------|
| Jobseeker_ID | Int | PK | 1,2,3,... |
| User_ID | Int | FK | 1,2,3,... |
| City_ID | Int | FK | 1,2,3,... |
| University_for_UG_ID | Int | FK | 1,2,3,... |
| University_for_PG_ID | Int | FK | 1,2,3,... |

| | | | |
|-----------------------|---------------|------------|----------------------|
| University_for_PHD_ID | Int | FK | 1,2,3,... |
| role_ID | Int | FK | 1,2,3,... |
| First_name | Varchar(Auto) | Not Null | Akash,Rutvik.. |
| Last_name | Varchar(Auto) | Not Null | Patel, Tikekar,.. |
| Gender | Varchar(Auto) | Not Null | Male,Female |
| Marital_status | Varchar(Auto) | Not Null | Married, Unmarried |
| Date_of_birth | Varchar(Auto) | Not Null | 05-09-1993 |
| Address | Varchar(Auto) | Allow Null | This job is for ... |
| Key_skills | Varchar(Auto) | Allow Null | Hibernate,CSS,HTML |
| UG_type | Varchar(Auto) | Not Null | Full Time, Part Time |
| UG_passing_year | Int | Not Null | 2000,2001,... |
| PG_type | Varchar(Auto) | Not Null | Full Time, Part Time |
| PG_passing_year | Int | Not Null | 2000,2001,... |
| PHD_type | Varchar(Auto) | Not Null | Full Time, Part Time |
| PHD_passing_year | Int | Not Null | 2000,2001,... |
| Company_Name | Varchar(Auto) | Allow Null | Nike, Adidas,.. |
| Position | Varchar(Auto) | Allow Null | Manager,Developer,.. |
| Job_profile | Varchar(Auto) | Allow Null | Sales Management |
| Experience | Int | Allow Null | 0,1,2,3,4,... |
| Annual_CTC | Long | Allow Null | 600000,400000,... |
| Company_name_buyer | Varchar(Auto) | Allow Null | Nike,adidas |
| Project_title | Varchar(Auto) | Allow Null | Theme,event |
| Work_period | Varchar(Auto) | Allow Null | 1 year, 2 year, ... |

| | | | |
|---------------------|---------------|------------|----------------------|
| Project_type | Varchar(Auto) | Not Null | Full Time, Part Time |
| Project_summary | Varchar(Auto) | Allow Null | Other services |
| Position_in_project | Varchar(Auto) | Allow Null | Manager,Developer,.. |
| Role_details | Varchar(Auto) | Allow Null | Manager has ,.. |
| Team_size | Int | Allow Null | 0,1,2,3,4,... |
| Skills | Varchar(Auto) | Allow Null | JDBC,HTML,CSS,... |
| Resume_title | Varchar(Auto) | Not Null | My ability.... |
| Resume_file_path | Varchar(Auto) | Not Null | Wc8vd6gcs0cgfp0.jpg |
| Language0 | Varchar(Auto) | Allow Null | English,Gujarati,.. |
| Language1 | Varchar(Auto) | Allow Null | English,Gujarati,.. |
| Language2 | Varchar(Auto) | Allow Null | English,Gujarati,.. |
| Language3 | Varchar(Auto) | Allow Null | English,Gujarati,.. |
| Language4 | Varchar(Auto) | Allow Null | English,Gujarati,.. |
| Speak0 | Varchar(Auto) | Allow Null | Yes,No |
| Speak1 | Varchar(Auto) | Allow Null | Yes,No |
| Speak2 | Varchar(Auto) | Allow Null | Yes,No |
| Speak3 | Varchar(Auto) | Allow Null | Yes,No |
| Speak4 | Varchar(Auto) | Allow Null | Yes,No |
| Write0 | Varchar(Auto) | Allow Null | Yes,No |
| Write1 | Varchar(Auto) | Allow Null | Yes,No |
| Write2 | Varchar(Auto) | Allow Null | Yes,No |
| Write3 | Varchar(Auto) | Allow Null | Yes,No |
| Write4 | Varchar(Auto) | Allow Null | Yes,No |

| | | | |
|-----------------------|---------------|------------|------------------------------|
| Read0 | Varchar(Auto) | Allow Null | Yes,No |
| Read1 | Varchar(Auto) | Allow Null | Yes,No |
| Read2 | Varchar(Auto) | Allow Null | Yes,No |
| Read3 | Varchar(Auto) | Allow Null | Yes,No |
| Read4 | Varchar(Auto) | Allow Null | Yes,No |
| Mother_tounge | Varchar(Auto) | Allow Null | English,Gujarati,.. |
| Job_type | Varchar(Auto) | Allow Null | Full_time,Part Time,Contract |
| Physically_challanged | Varchar(Auto) | Allow Null | Yes,No |
| Category_description | Varchar(Auto) | Allow Null | I have the problem of... |

Table Name Add_job_VO
 Table No 2.19
 Description Job details are store here.
 References table Add_city_VO, Add_user_VO
 Type Transactional

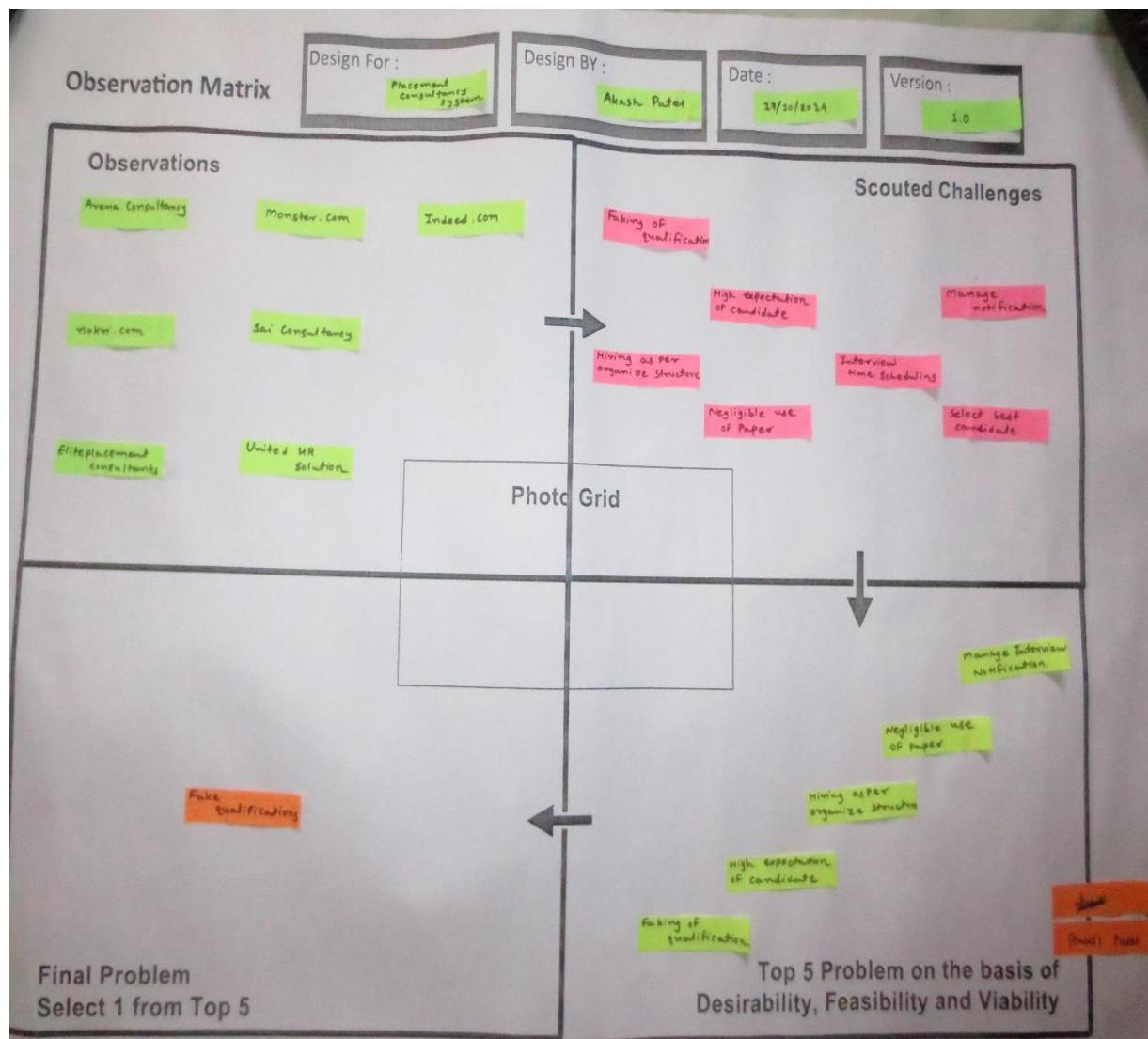
| Field Name | Datatype | Constraint | Example |
|-----------------|---------------|------------|-------------------------------|
| Job_ID | Int | PK | 1,2,3,... |
| Company_ID | Int | FK | 1,2,3,... |
| City_ID | Int | FK | 1,2,3,... |
| User_ID | Int | FK | 1,2,3,... |
| role_ID | Int | FK | 1,2,3,... |
| Job_title | Varchar(Auto) | Not Null | Java Developer |
| Job Type | Varchar(Auto) | Not Null | Full Time,Part Time, Contract |
| Work Exeperiece | Int | Not Null | 0,1,2,3,.. |
| Annual_CTC | Varchar(Auto) | Not Null | MNC Java based |

| | | | |
|----------------------|---------------|------------|--|
| Numbers_of_vacancies | Varchar(Auto) | Allow Null | 1,2,3,4,.. |
| Job_summary | Varchar(Auto) | Not Null | This job is for ... |
| Job_decription | Varchar(Auto) | Not Null | We are upcoming major industries in next 5 years |
| Job_status | Varchar(Auto) | Not Null | Open,close |
| Candidate_profile | Varchar(Auto) | Allow Null | Only graduate students will allowed for interview |
| Contact Person Name | Varchar(Auto) | Allow Null | Akash Patel,... |
| Contact no | Long | Allow Null | Java,.net,.. |
| Company_email | Varchar(Auto) | Allow Null | Akk****@gmail.com |

| | |
|------------------|--|
| Table Name | Add_apply_VO |
| Table No | 2.20 |
| Description | Login detail are stored here. |
| References table | Add_job_VO, Add_jobseeker_VO, Add_company_VO, Add_job_VO |
| Type | Transactional |

| Field Name | Datatype | Constraint | Example |
|--------------|---------------|------------|--|
| Apply_ID | Int | PK | 1,2,3,... |
| Job_ID | Int | FK | 1,2,3,... |
| Jobseeker_ID | Int | FK | 1,2,3,... |
| Company_ID | Int | FK | 1,2,3,... |
| Job_ID | Int | FK | 1,2,3,... |
| User_ID | Int | FK | 1,2,3,... |
| Apply_status | Varchar(Auto) | Allow Null | Not Selected, Selected,Absent,Appointed,Waiting |

2.3 OBSERVATION MATRIX CANVAS



2.3.1 OBESERVATION

- ❖ I have observed current consultancy and recruitment process in the MNC companies and make plan for web application.

2.3.2 Scouted Challenges

- ❖ There are various types of challenges like fake qualification details, high expectation of User, Interview scheduling, select best candidate etc.

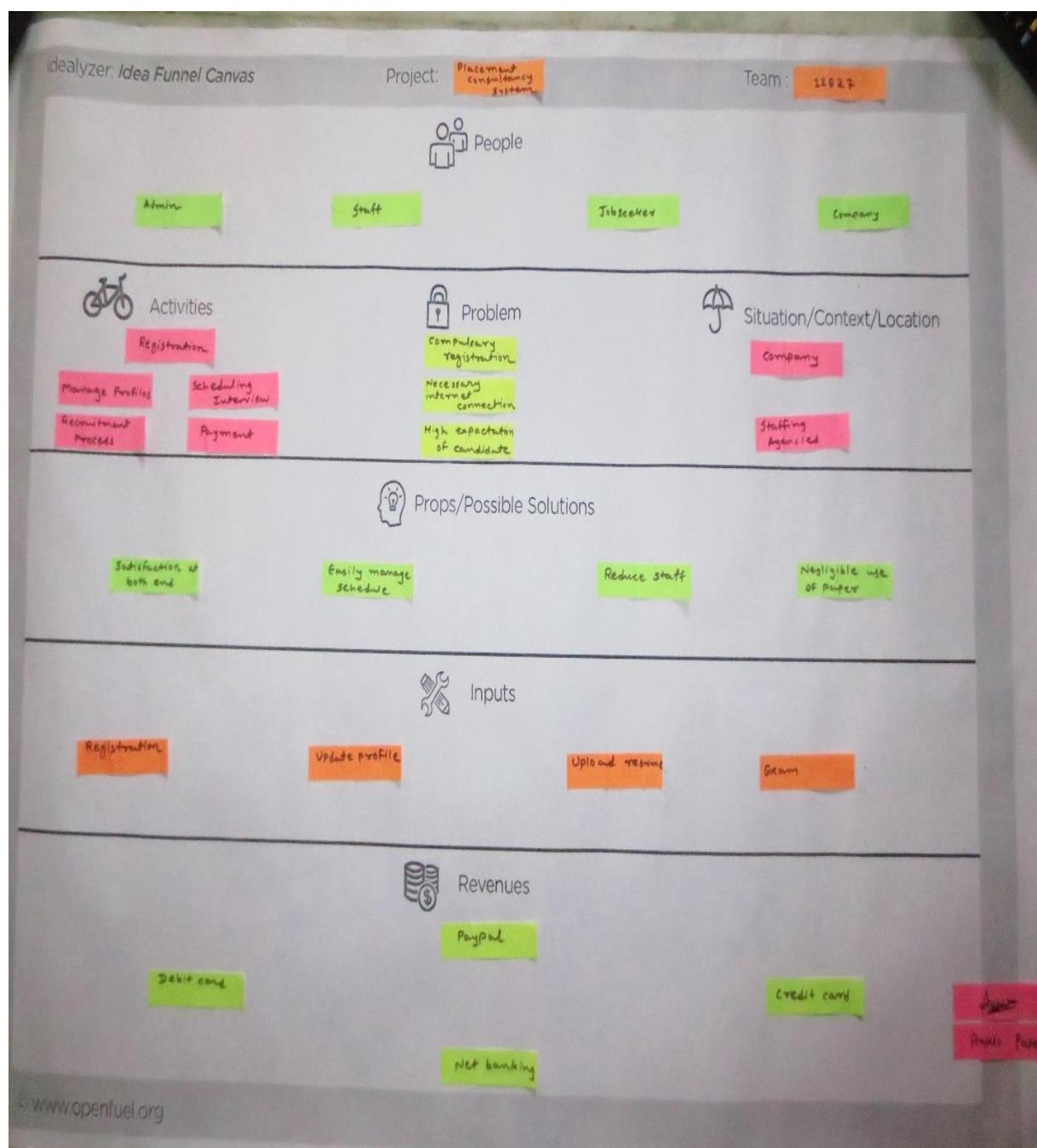
2.3.3 Top Problems

- ❖ Here we have various types of problem negligible use of paper, fake information, Interview Scheduling, Manage notification.

2.3.4 Final Problems

- ❖ Fake information is the weak link of the application so we have to overcome the problem by checking users identity from their other outside work activites.

2.4 IDEATION CANVAS



2.4.1 People

- ❖ There are various types of user in this application. Like admin and staff who can manage all the process.
- ❖ Companies post a jobs so that they advertise them self.
- ❖ Jobseeker search jobs and apply for jobs.

2.4.2 Activities

- ❖ First step is registration.
- ❖ Then companies will post jobs.
- ❖ Jobseeker apply for jobs and company will see the jobseeker who were applied already and then schedule interviews.
- ❖ Finally Payment will be on the decided job fair offline.

2.4.3 Problems

- ❖ Registration is compulsory.
- ❖ Internet connection is necessary in any web application.
- ❖ Available job with various type
- ❖ High expectation of jobseeker is a tedious problem in job portal.

2.4.4 Location

- ❖ Companies and staff agencies were we build web development.

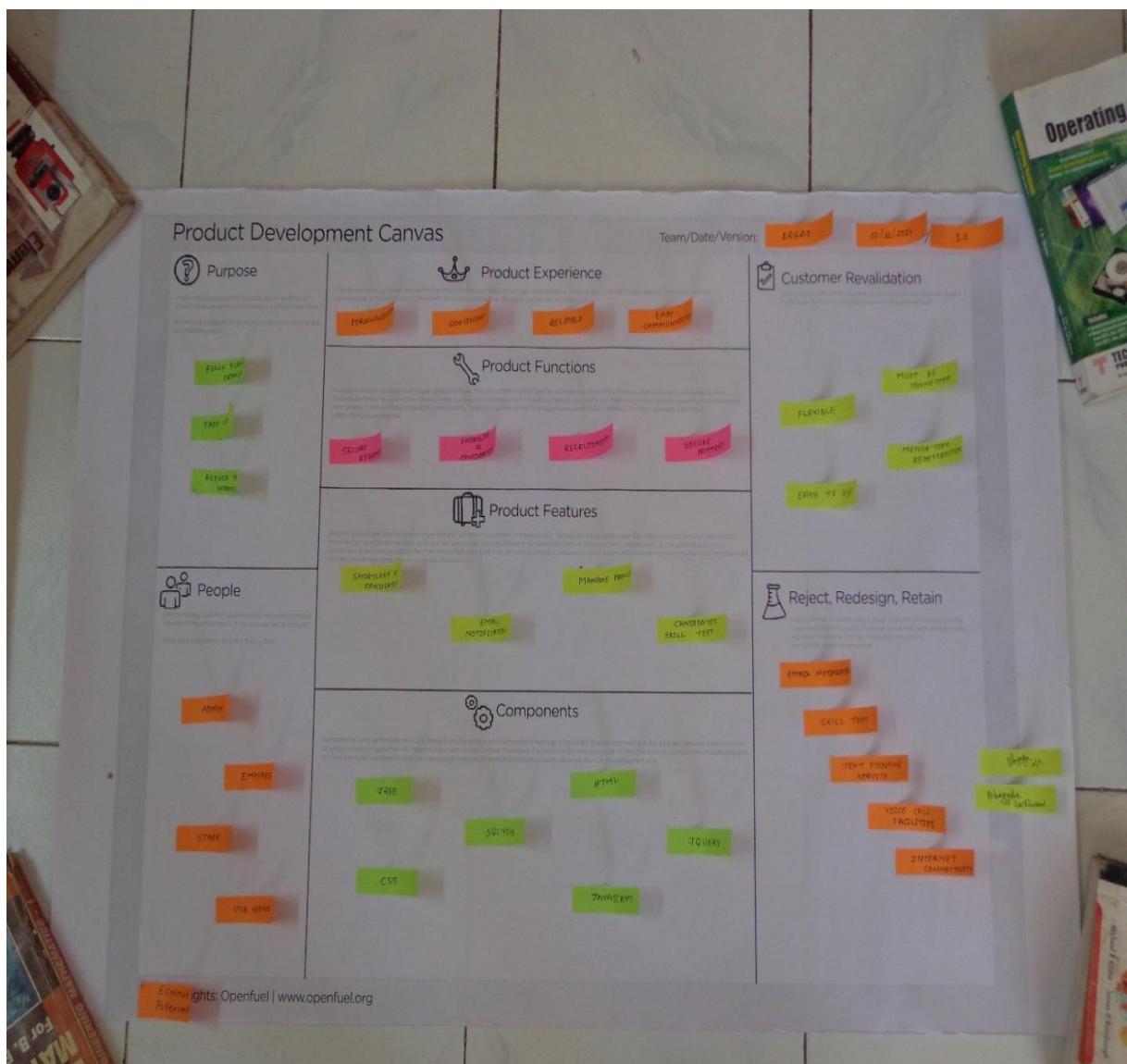
2.4.5 Input

- ❖ Registration of user
- ❖ Profile details of user and documentation upload
- ❖ Some files like profile picture, resume etc.

2.4.6 Revenue

- ❖ Advertisement on web application
- ❖ Job fair on package finalized candidate of recruitment

2.5 PRODUCT DEVELOPMENT CANVAS



2.5.1 Purpose

- ❖ Reduce HR's workflow
- ❖ Easy recruitment process online with transparency

2.5.2 Product Experience

- ❖ Personalization of users
- ❖ Easy communication between company and jobseeker by web application
- ❖ It will provide transparency in recruitment process.

2.5.3 Product Function

- ❖ Main function of this “ Look-IN ” is to complete recruitment process with ease.

2.5.4 Product Features

- ❖ Email notification and SMS notification for get latest updates
- ❖ Easy recruitment process with transparency
- ❖ Personalization for every user type.

2.5.5 People

- ❖ Admin, Jobseeker, Employer, and Staff these all types of user make a web application complete.

2.5.6 Components

- ❖ J2EE, Hibernate framework, MVC framework, JSP, CSS, JS, Various APIs, JavaScript etc. components are used for making web application.

2.5.7 Customer Revalidation

- ❖ Easy to access, User must be connected with internet so they can communicate with each other.
- ❖ Registration is mandatory for every users.

2.5.8 Reject, Redesign, Retain

- ❖ Email notification, SMS notification, Voice call features are redesigned.
- ❖ Retain recruitment process in web application.



CHAPTER: 3

IMPLEMENTATION



3.1 SYSTEM DIAGRAMS

3.1.1 USE CASE DIAGRAM

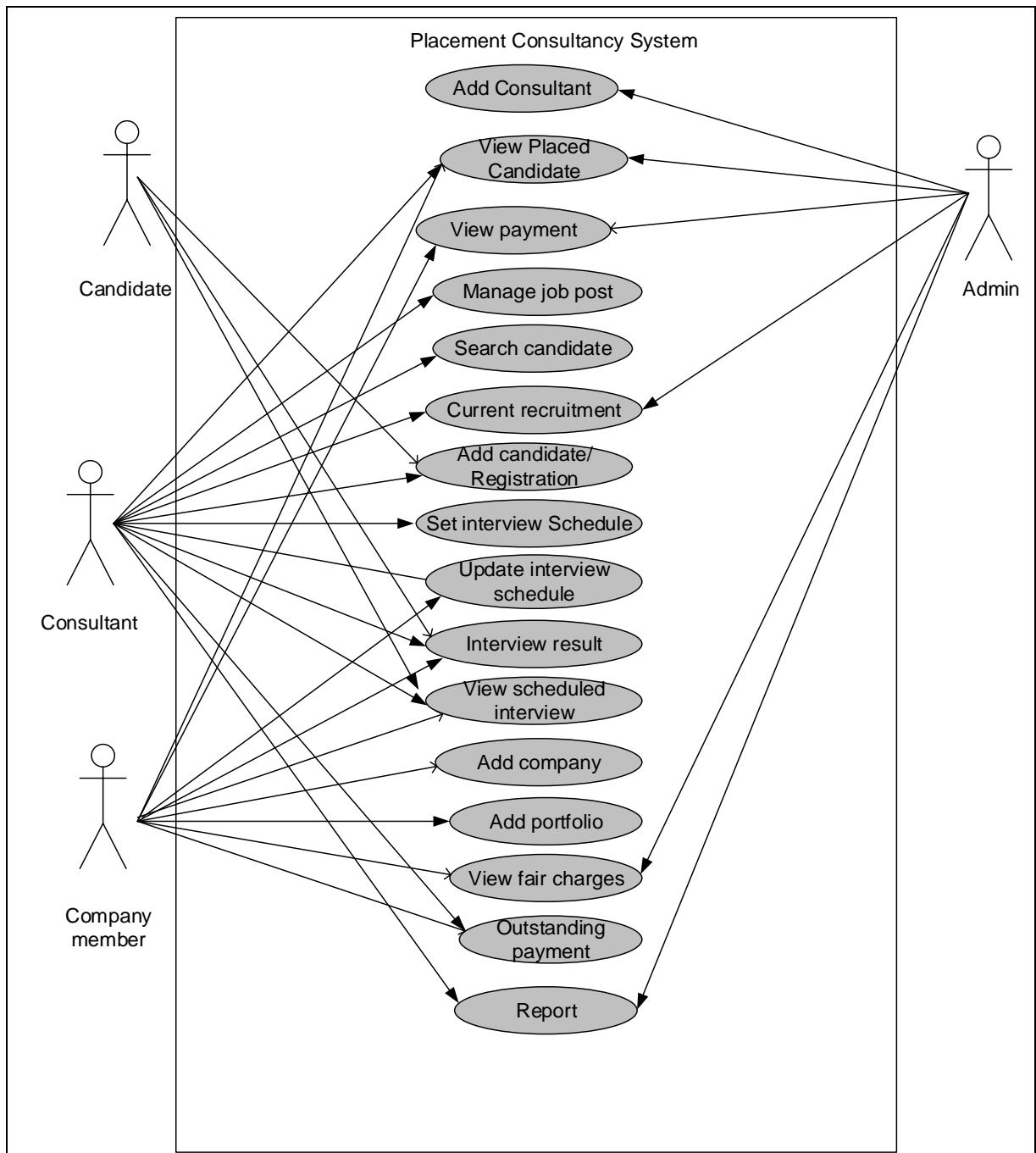


Figure 3.1 Use case diagram

3.1.2 ACTIVITY DIAGRAM

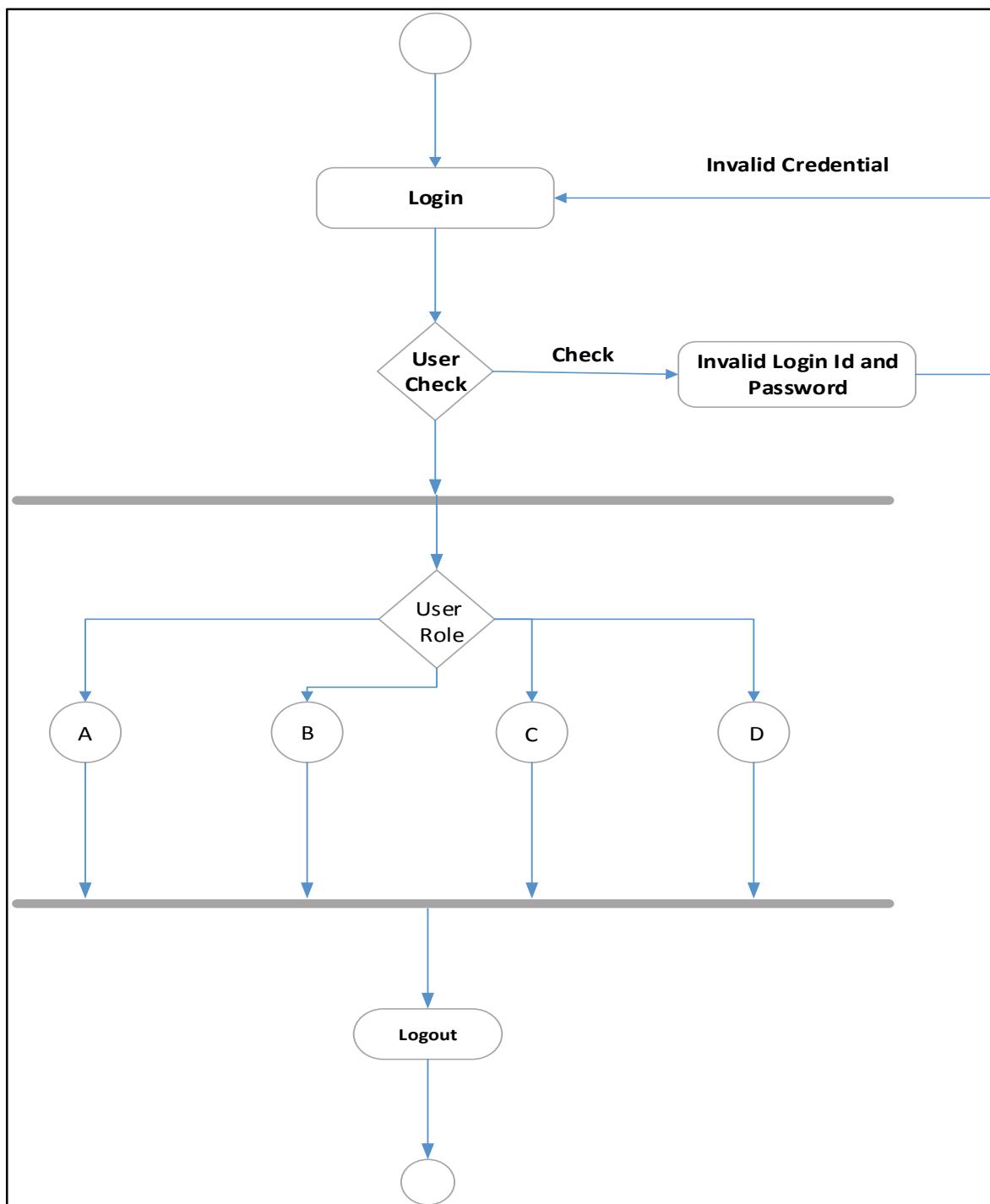


Figure 3.2 Activity diagram for User Role

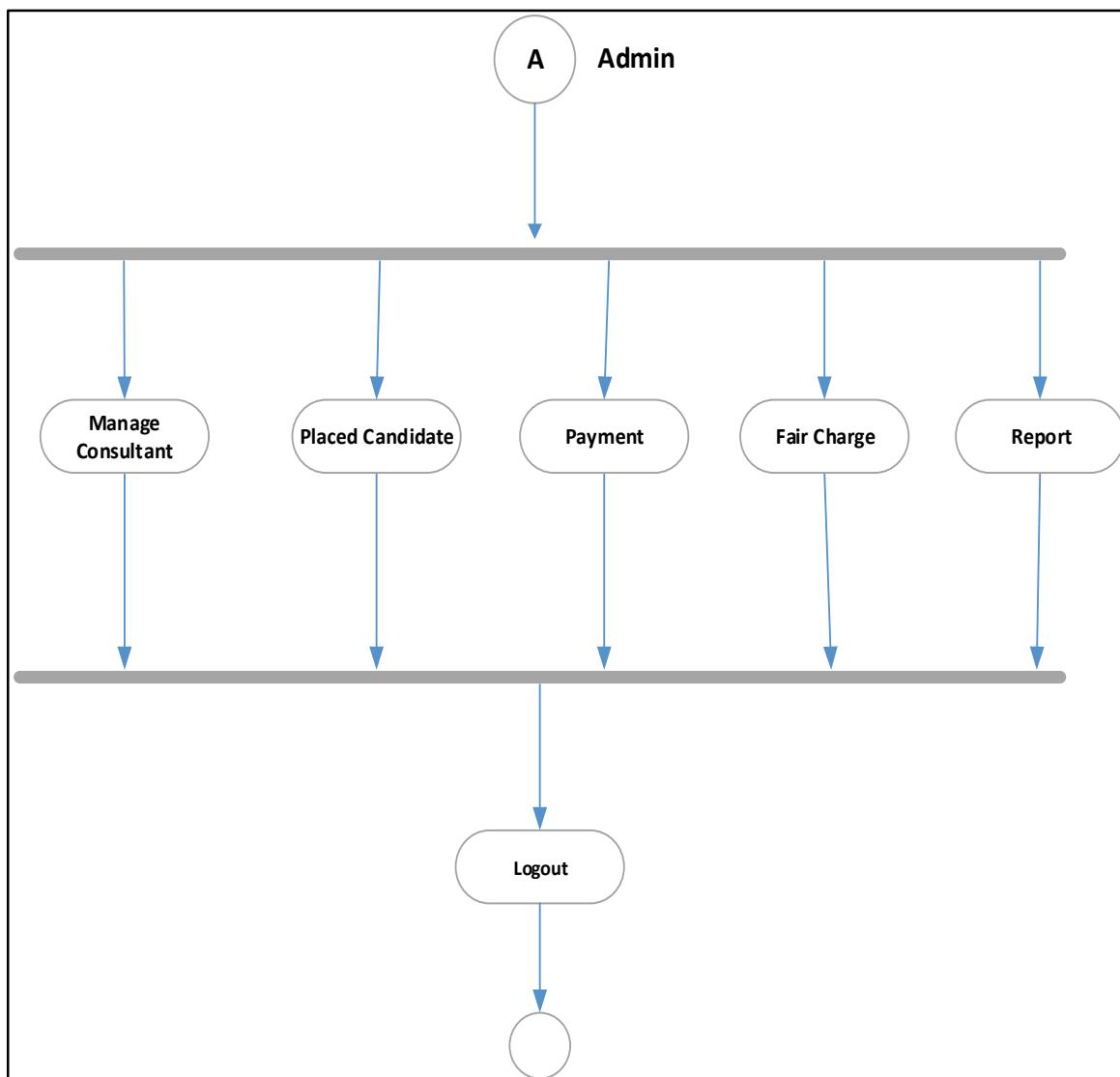


Figure 3.3 Activity diagram for Admin

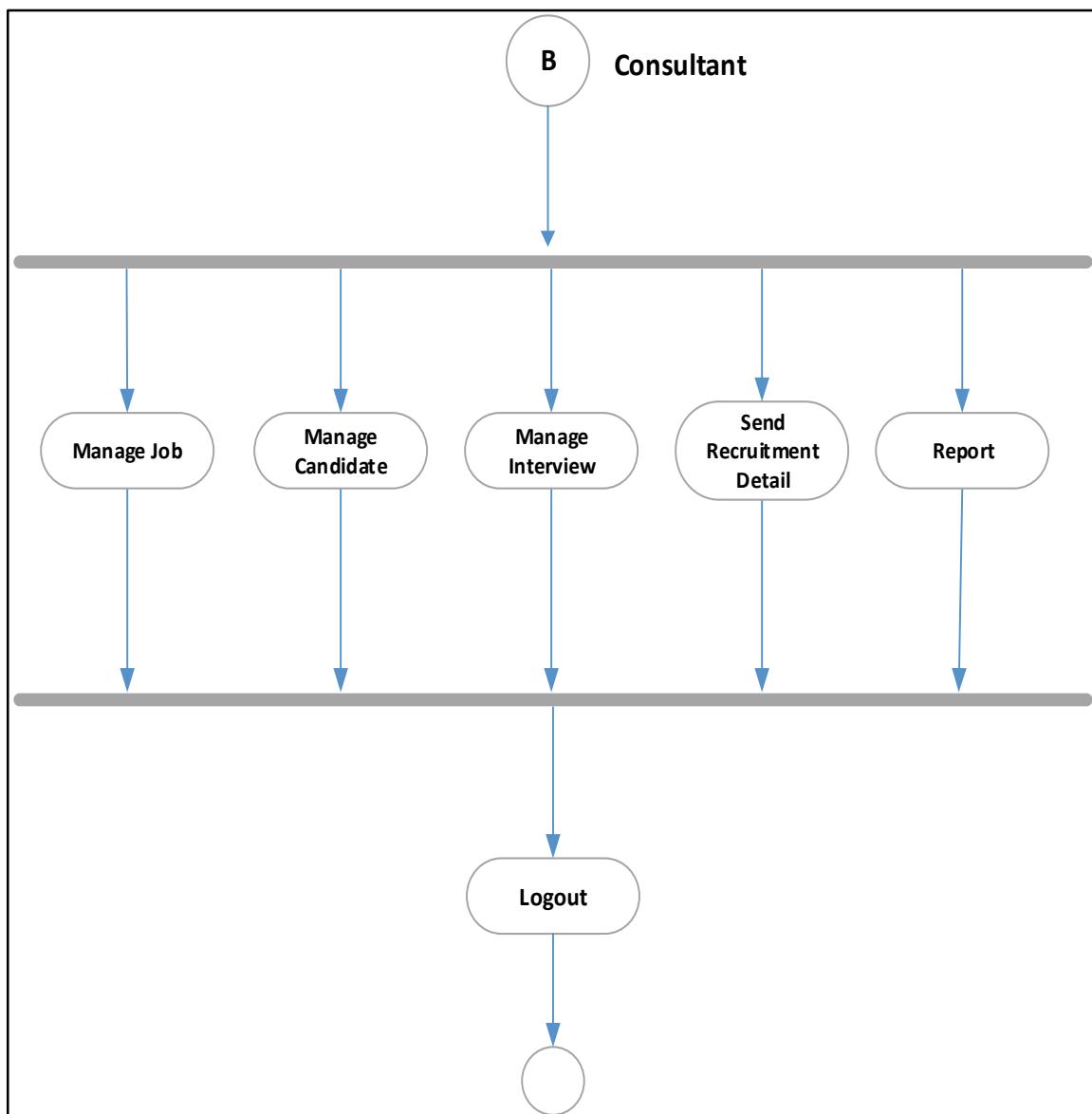


Figure 3.4 Activity diagram for Consultant / Staff

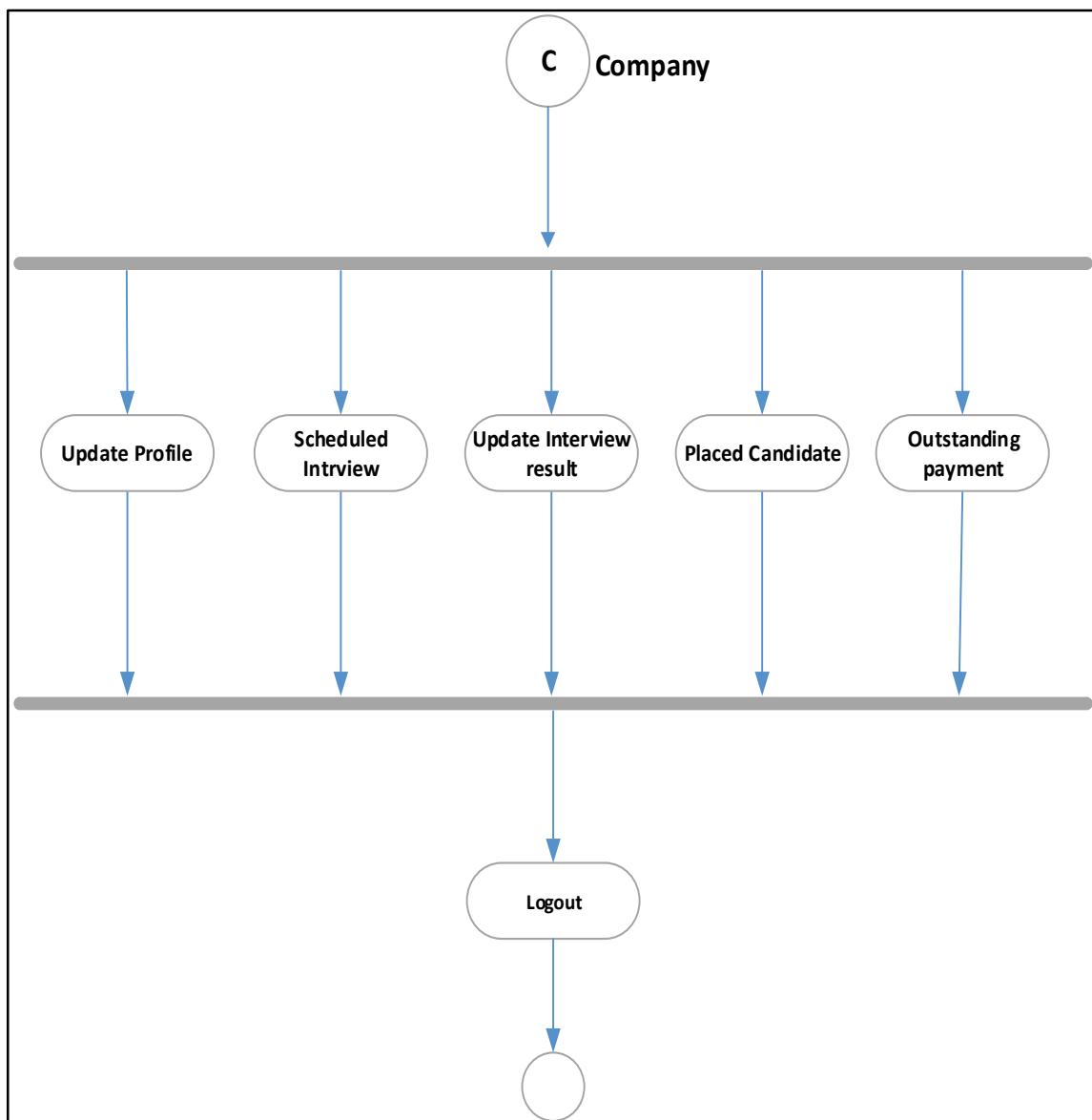


Figure 3.5 Activity diagram for Company

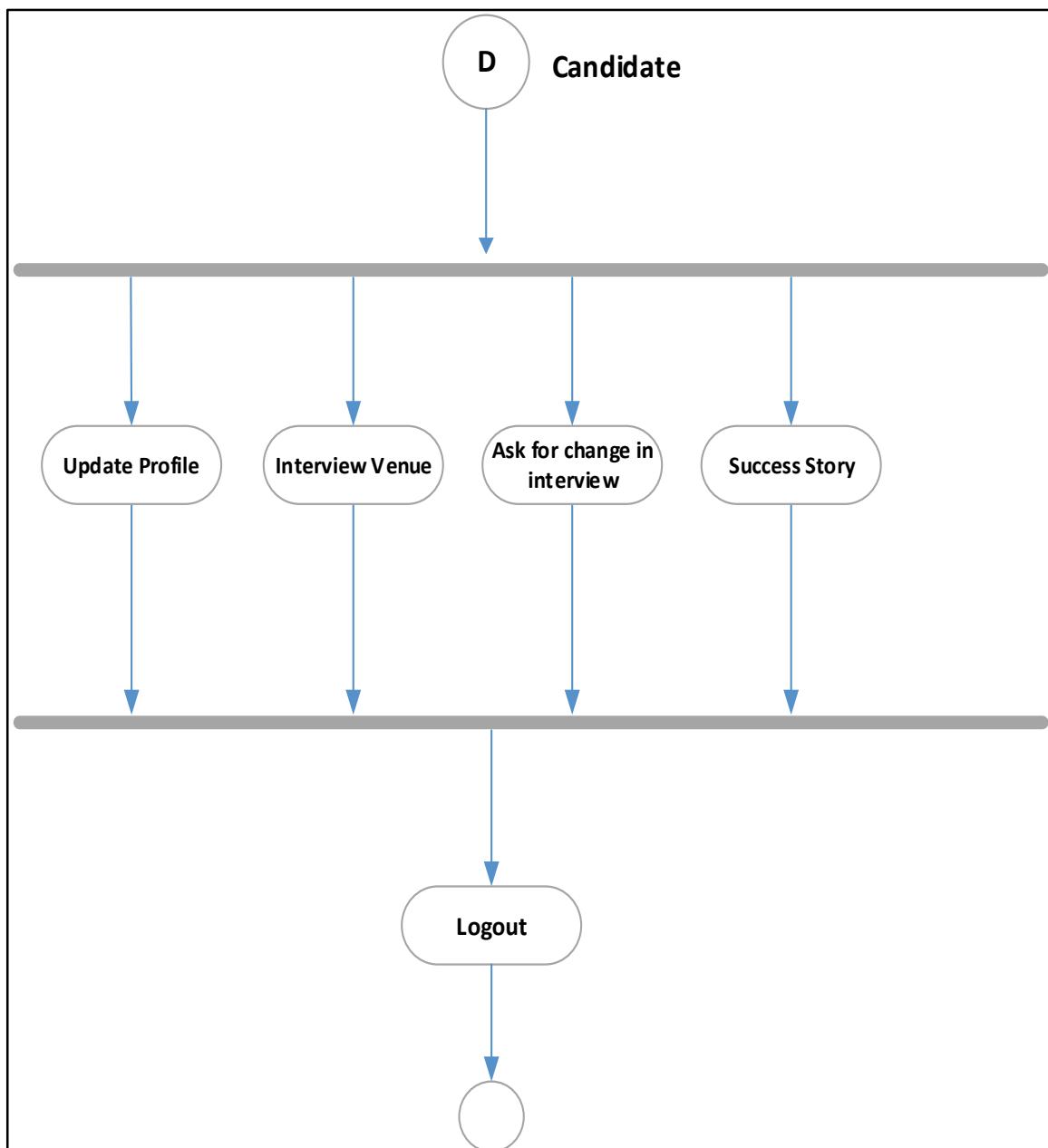


Figure 3.6 Activity diagram for Candidate

3.1.3 DATA FLOW DIAGRAM

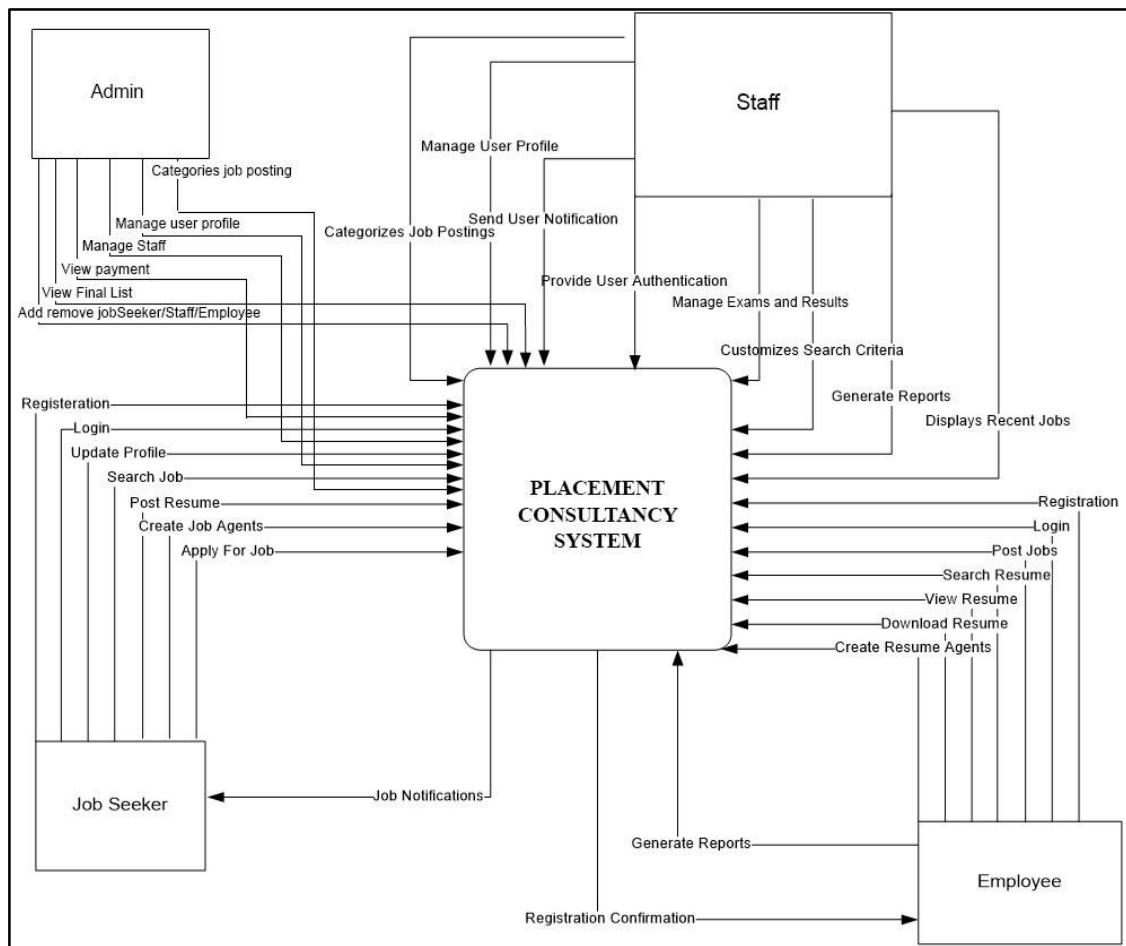


Figure 3.7 Context Diagram

3.1.4 SEQUENCE DIAGRAM

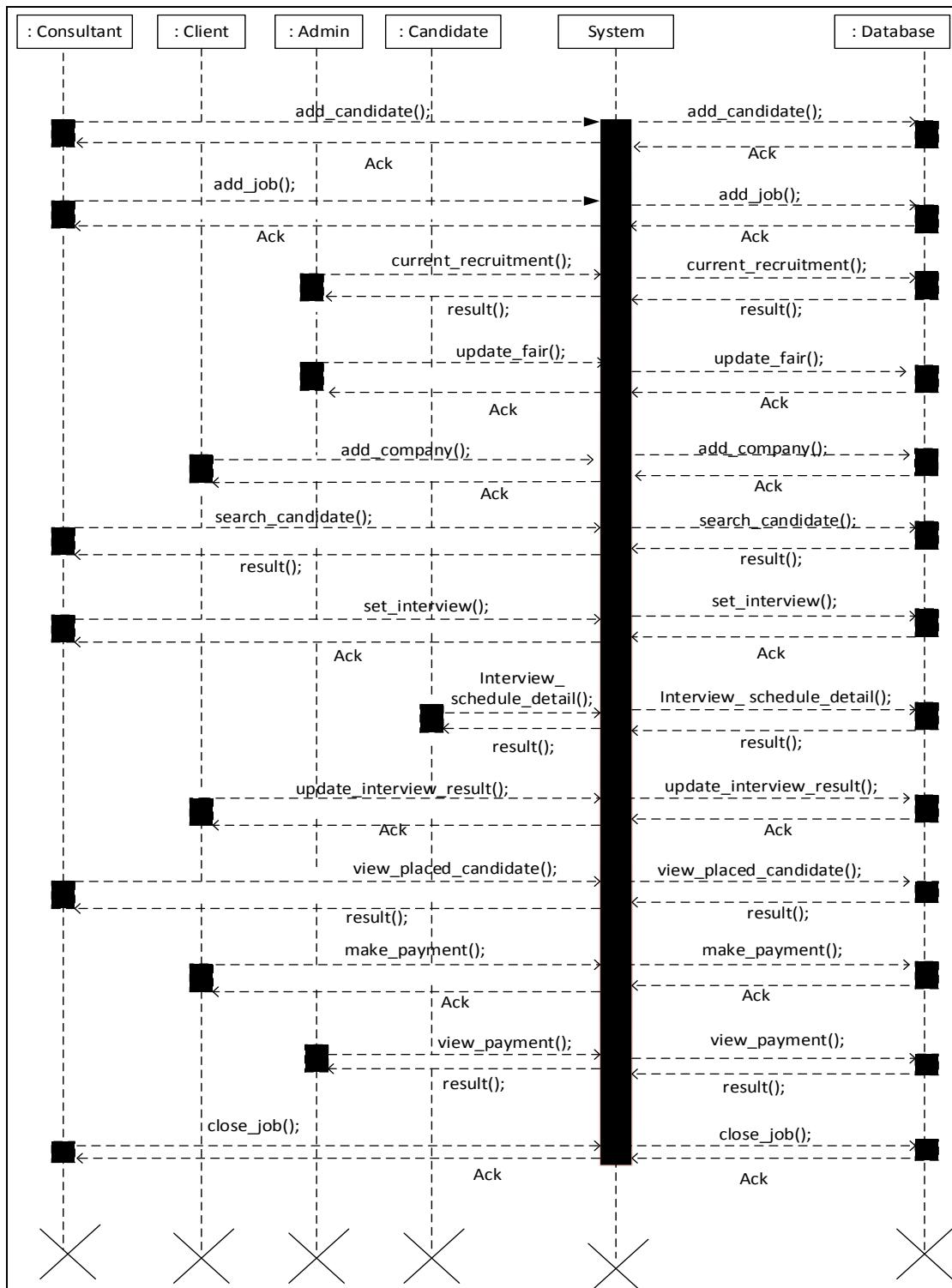
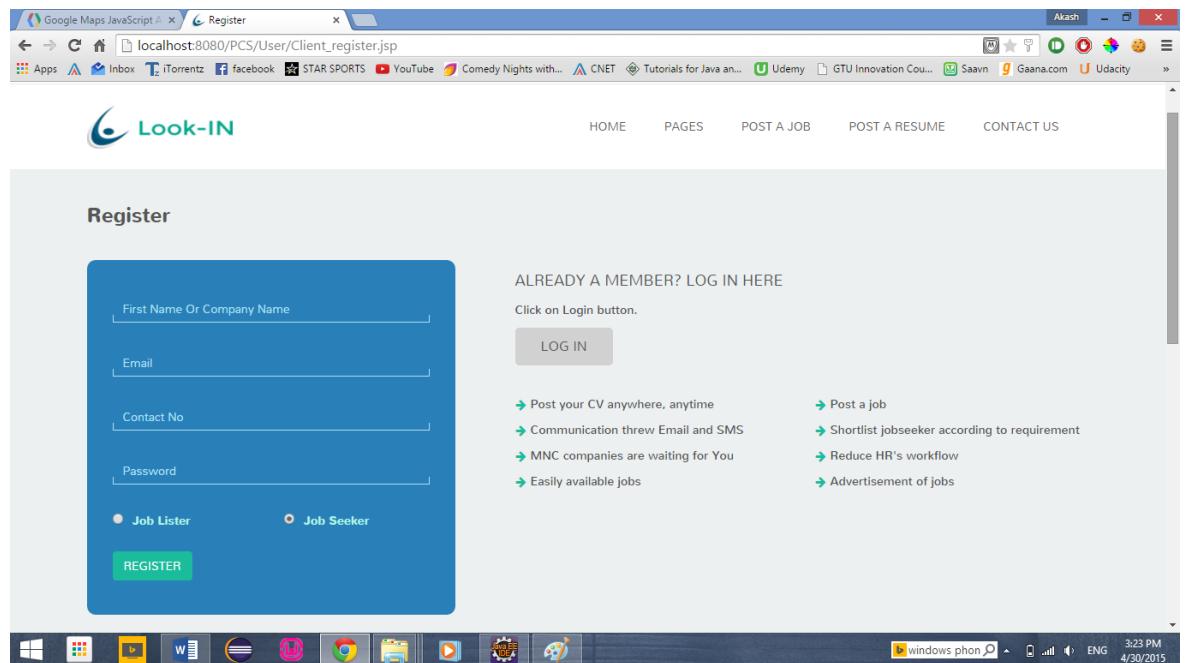


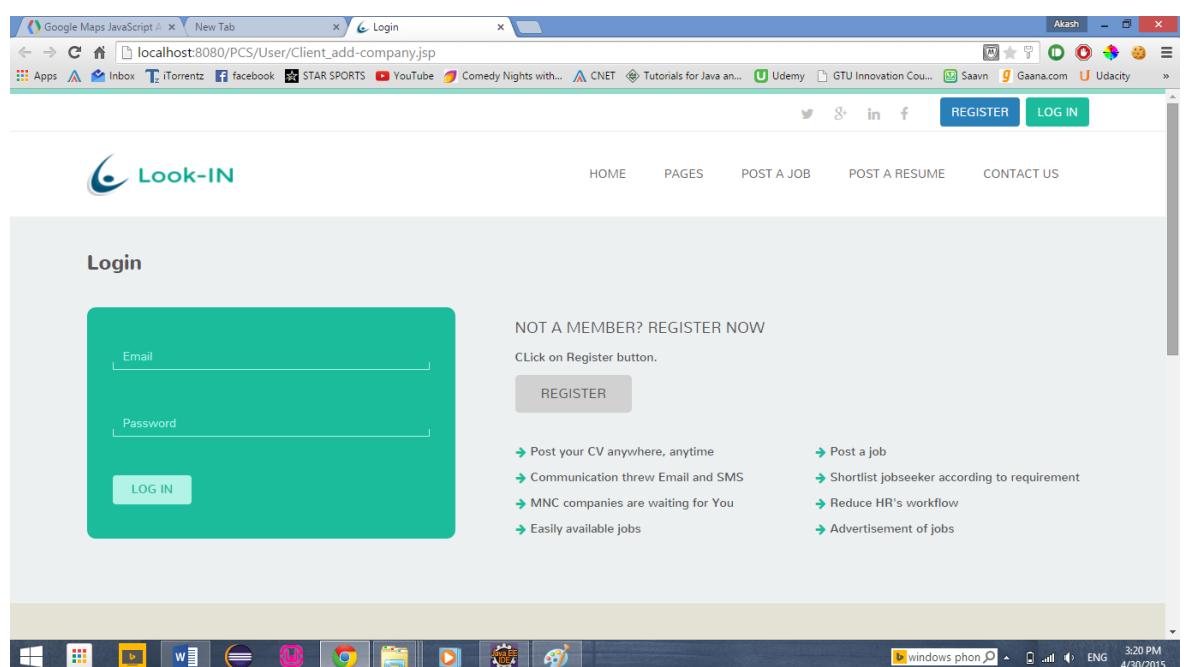
Figure 3.8 Sequence Diagram

3.2 SCREENSHOTS

- Registration page for users (Jobseekers & Companies)



- Login page for users (Admin, Jobseekers & Companies)



- Authentication filter use for preventing from SQL injection

Java EE - PCS/src/filter/AuthenticationFilter.java - Eclipse

File Edit Source Refactor Navigate Search Project Run Window Help

AuthenticationFilter.java

```
* @param uri
public void doFilter(ServletRequest request, ServletResponse response, FilterChain chain) throws IOException, ServletException {
    // TODO Auto-generated method stub
    // place your code here
    HttpSession session =((HttpServletRequest) request).getSession();
    RequestDispatcher requestDispatcher;

    String uri = ((HttpServletRequest)request).getRequestURI();

    System.out.println("link = " + uri);

    if(uri.contains("register")||uri.contains("Register")||uri.contains("login")||uri.contains("contact-us")||uri.contains("controller")||uri.contains("Logout"))
    {
        // pass the request along the filter chain
        chain.doFilter(request, response);
    }
    else if (request.getParameter("flag") != null && request.getParameter("flag").equals("Logout"))
    {
        System.out.println("Logout Successfull!!!!");
        session.invalidate();
        RequestDispatcher rd;
        rd = request.getRequestDispatcher("User/Client_login.jsp");
        rd.forward(request, response);
    }
    else if (uri.contains("abc")) {

        String email = request.getParameter("Email");
        String password = request.getParameter("Password");

        Login_VO login_VO=new Login_VO();
        login_VO.setEmail(email);
        login_VO.setPassword(password);
    }
}
```

- Add company details and update details

Google Maps JavaScript A × Add Company x Akash

localhost:8080/PCS/User/Client_add-company.jsp

Apps Inbox iTorrentz facebook STAR SPORTS YouTube Comedy Nights with... CNET Tutorials for Java an... Udemy GTU Innovation Cou... Saavn Gaana.com Udacity

hi, NetGO

Look-IN

HOME JOB LIST ADD COMPANY RESUME LISTING POST A JOB CONTACT US

ADD COMPANY

Company Name

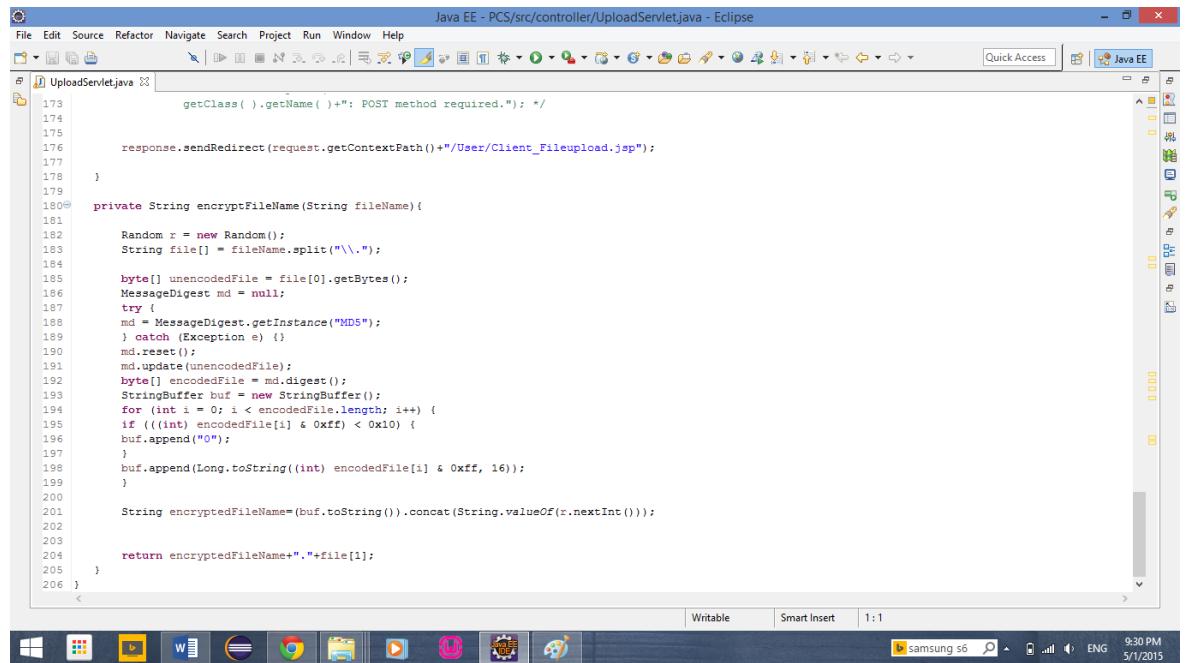
NetGO

Company Logo(Required)

Choose File No file chosen Upload File

Website URL

- File upload on server with MD5 security algorithm

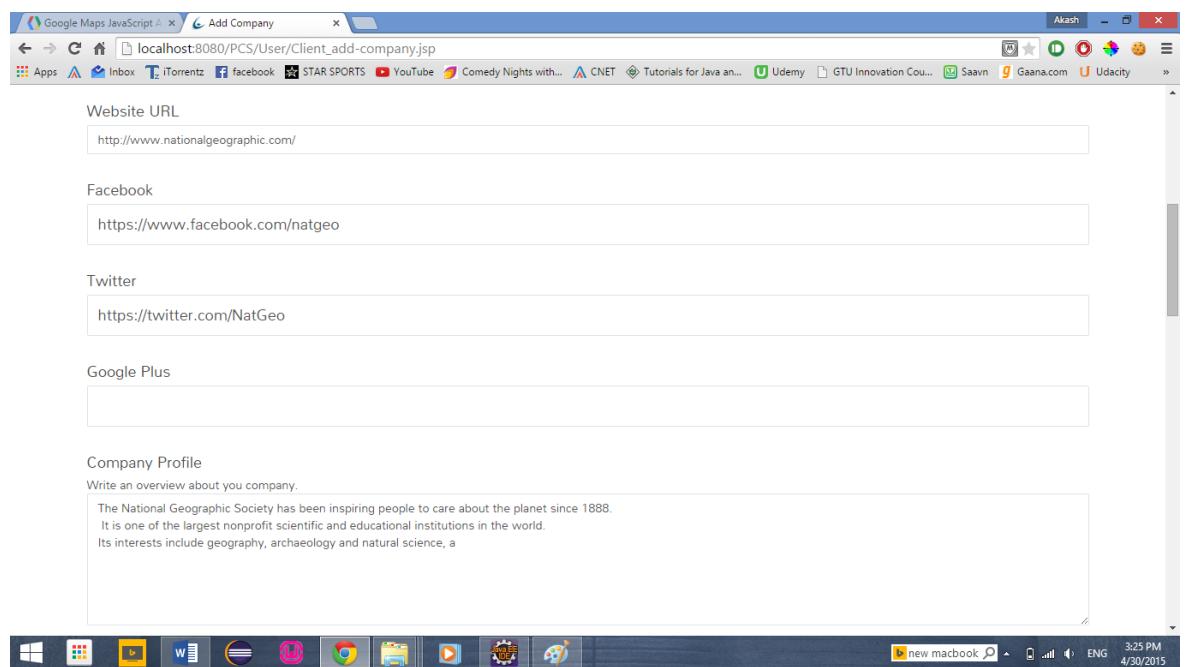


The screenshot shows the Eclipse IDE interface with the Java EE - PCS/src/controller/UploadServlet.java file open. The code implements a POST method to handle file uploads. It uses the MD5 digest algorithm to encrypt the file name. The code includes imports for java.util.Random, java.io.File, and java.security.MessageDigest. It reads the file bytes, initializes an MD5 digest, updates it with the bytes, and then encodes the result into a hex string. The original file name is appended to the end of the encrypted name.

```

173     getClass().getName() +": POST method required."); /*
174
175     response.sendRedirect(request.getContextPath() +"/User/Client_Fileupload.jsp");
176
177 }
178
179 private String encryptFileName(String fileName){
180     Random r = new Random();
181     String file[] = fileName.split("\\\\.");
182
183     byte[] unencodedFile = file[0].getBytes();
184     MessageDigest md = null;
185     try {
186         md = MessageDigest.getInstance("MD5");
187     } catch (Exception e) {}
188     md.reset();
189     md.update(unencodedFile);
190     byte[] encodedFile = md.digest();
191     StringBuffer buf = new StringBuffer();
192     for (int i = 0; i < encodedFile.length; i++) {
193         if (((int) encodedFile[i] & 0xff) < 0x10) {
194             buf.append("0");
195         }
196         buf.append(Long.toString((int) encodedFile[i] & 0xff, 16));
197     }
198     buf.append(Long.toString((int) encodedFile[1] & 0xff, 16));
199
200     String encryptedFileName=(buf.toString()).concat(String.valueOf(r.nextInt()));
201
202
203
204     return encryptedFileName+file[1];
205 }
206

```



The screenshot shows a web browser window titled "Google Maps JavaScript" with the URL "localhost:8080/PCS/User/Client_add-company.jsp". The page displays a form for adding a company profile. The "Website URL" field contains "http://www.nationalgeographic.com/". The "Facebook" field contains "https://www.facebook.com/natgeo". The "Twitter" field contains "https://twitter.com/NatGeo". The "Google Plus" field is empty. Below the fields is a "Company Profile" section with a text area containing the following text:

The National Geographic Society has been inspiring people to care about the planet since 1888. It is one of the largest nonprofit scientific and educational institutions in the world. Its interests include geography, archaeology and natural science, a

Company Expertises

Headline

What happen around us.

Company Expertises

Write expertises with comma as separator.

Travel, Photography, News, Reserch

Company Address

Company Address

Write an address about your company.

10/A, Amarganga soc.
opp H.P. Petrol pump

Company Address

Company Address

Write an address about your company.

10/A, Amarganga soc.
opp H.P. Petrol pump

PhoneOnly Digits are allow

919601432505

Email

akashpatel0509@gmail.com

Country

India(Selected)

State

Gujarat(Selected)

City

Ahmedabad(Selected)

ADD COMPANY

- Add jobseeker's basic details

First Name: Rutvik

Last Name: Patel

Gender: Male

Marital Status: Married

Date of Birth: 09/05/1990

Address: 10/A, Amarganga soc.
opp H.P. Petrol pump,
Jivrajpark, Ahmedabad -51

- Add jobseeker's education details

Type: Full time

Field Specification: Engineering

Specialization (course): Computer Engineering

University: Ahmedabad Institute of Technology

- Add jobseeker's Latest details

Google Maps JavaScript A × Job-seeker's Experience D × localhost:8080/PCS/User/Client_jobseeker_experience_details.jsp

Look-IN

HOME PAGES FIND A JOB POST A RESUME CONTACT US

Experience Details

Latest Experience

Company Name
Times of India

Position
Web Developer

Job profile
Write something about the job duties.

Windows Taskbar icons: File Explorer, Control Panel, File Manager, Task View, Start, Microsoft Edge, Google Chrome, File Explorer, Microsoft Word, Microsoft Excel, Microsoft PowerPoint, Microsoft OneNote, Microsoft Paint, Microsoft Snipping Tool.

System tray: sam smith, ENG, 10:26 AM, 5/1/2015.

- Add jobseeker's resume details

Google Maps JavaScript A × Job-seeker's Resume Data D × localhost:8080/PCS/User/Client_jobseeker_resume_details.jsp

Look-IN

HOME PAGES FIND A JOB POST A RESUME CONTACT US

Resume Details

Resume

Headline/ Title
To work efficiently and delicately for an organization where my logical skills get nourished and to be committed to my work in order to deliver

Resume
File Upload Successfully.

POST A RESUME

Windows Taskbar icons: File Explorer, Control Panel, File Manager, Task View, Start, Microsoft Edge, Google Chrome, File Explorer, Microsoft Word, Microsoft Excel, Microsoft PowerPoint, Microsoft OneNote, Microsoft Paint, Microsoft Snipping Tool.

System tray: samsung s6, ENG, 10:30 AM, 5/1/2015.

- Add jobseeker's project details

Project Details

Latest Project Details

Company Name(Client)

Project Title

Webinar

Working Period on Project

<6 Months 1 Year 2 Years 3 Years 4 Years >5 Years

Project Type

Full time Part time Contractual

Project Summary

Write something about the Project.

Organize event in Times of India

Samsung S6 ENG 5/1/2015

- Add jobseeker's other details

| Language Name | Speak | Read | Write | Mother Tongue |
|---------------|--------------------------|--------------------------|--------------------------|-------------------------------------|
| English | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Gujarati | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Known Language

Language Name

Speak

Read

Write

Mother Tongue

Language Name

Speak

Read

Write

Mother Tongue

Language Name

Speak

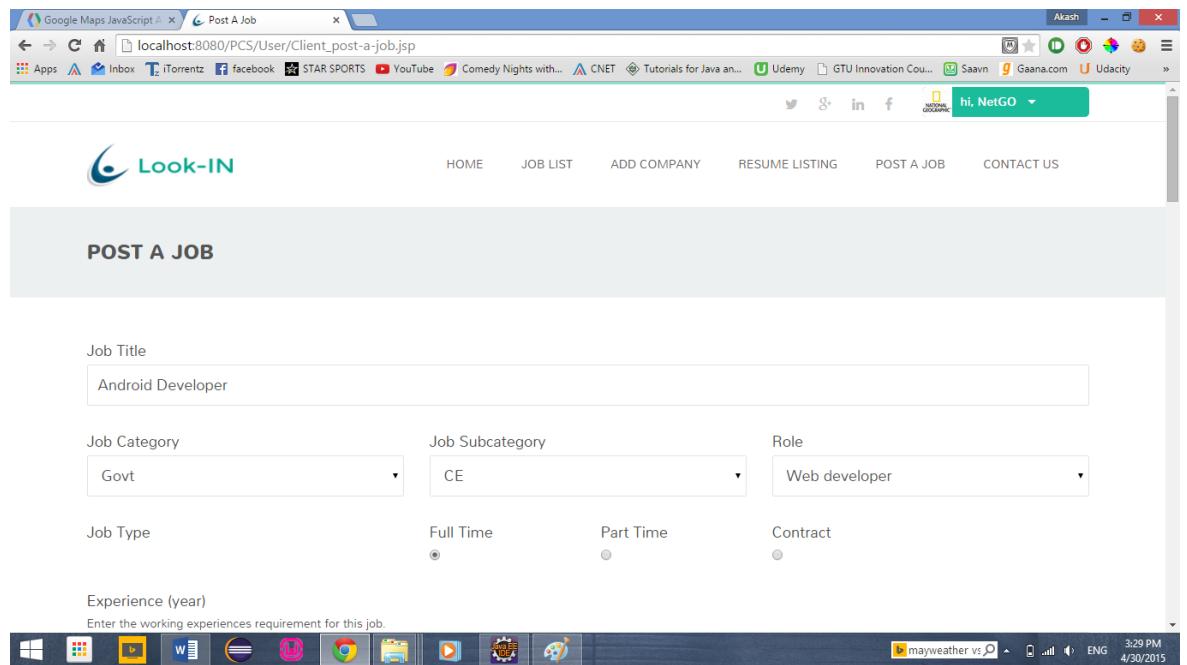
Read

Write

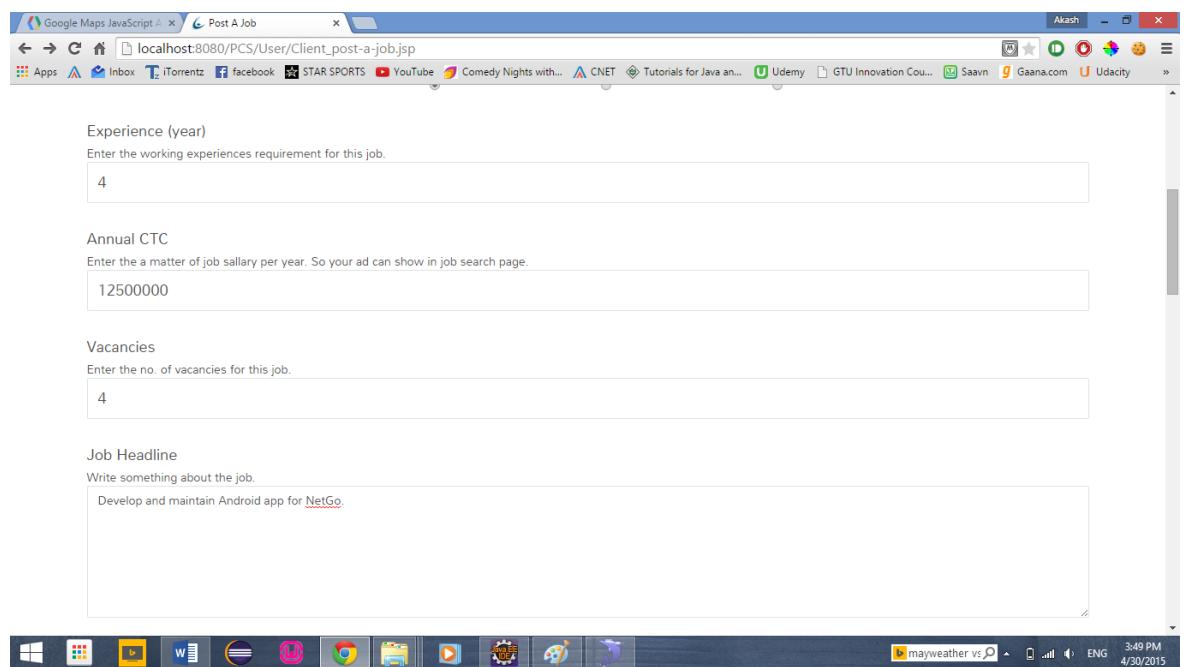
Mother Tongue

samsung galaxy ENG 5/1/2015

- Post a job by company



The screenshot shows the 'Post A Job' page of the Look-IN website. The URL in the address bar is `localhost:8080/PCS/User/Client_post-a-job.jsp`. The page has a header with the Look-IN logo and navigation links for HOME, JOB LIST, ADD COMPANY, RESUME LISTING, POST A JOB, and CONTACT US. Below the header is a section titled 'POST A JOB'. The first field is 'Job Title' with the value 'Android Developer'. Below it are three dropdown menus: 'Job Category' (set to 'Govt'), 'Job Subcategory' (set to 'CE'), and 'Role' (set to 'Web developer'). There are also four radio buttons for 'Job Type': 'Full Time' (selected), 'Part Time', 'Contract', and 'Intern'. The next section is 'Experience (year)' with a placeholder 'Enter the working experiences requirement for this job.' and a dropdown menu showing various icons. The system status bar at the bottom indicates 'Akash' is logged in, the time is 3:29 PM on 4/30/2015, and the battery level is ENG.



This screenshot shows the continuation of the 'Post A Job' form. It includes fields for 'Experience (year)' with the value '4', 'Annual CTC' with the value '12500000', and 'Vacancies' with the value '4'. Below these is a 'Job Headline' field containing the text 'Develop and maintain Android app for NetGo'. The system status bar at the bottom indicates 'Akash' is logged in, the time is 3:49 PM on 4/30/2015, and the battery level is ENG.

Job Status

OPEN

| | | |
|--------------------|---------|-----------|
| Location (Country) | State | City |
| India | Gujarat | Ahmedabad |

Jobseeker Education

Describe Candidate Profile

Write brief description about Candidate Profile.

Candidate must have developed min 3-4 applications in android. Must have following skills:
 Android SDK
 App components (Intents, content providers, Services etc.,)
 SQLite, MySQL, REST, JSON, XML or Json parsing, google map
 Social Media APIs

Advertise Yourself

Contact Person

Akash Patel

Contact No

7405143007

Email (Contact person)

akashpatel0509@gmail.com

POST A JOB



- List of all jobs posted by company

Job Listings

localhost:8080/PCS/User/Client_company_job-listings.jsp

HOME JOB LIST ADD COMPANY RESUME LISTING POST A JOB CONTACT US

JOBS

All Contract **Full Time** Part Time

| | | | | |
|---------------------|--|-----------|-----------|--------------------------|
| NATIONAL GEOGRAPHIC | Java Developer svsvsvs | Ahmedabad | Full Time | View Job |
| NATIONAL GEOGRAPHIC | PHP Developer Develop advertisement section in Website with theme on THE EARTH DAY. | Surat | Full Time | View Job |
| NATIONAL GEOGRAPHIC | Editor Best luck..!! | Ahmedabad | Full Time | View Job |
| NATIONAL GEOGRAPHIC | Android Developer Develop and maintain Android app for NetGo. | Ahmedabad | Full Time | View Job |

localhost:8080/PCS/User/Client_company_job-listings.jsp#full-time-26

- Latest Opening jobs

Job Listings

localhost:8080/PCS/User/Client_company_job-listings.jsp

NATIONAL GEOGRAPHIC

Editor
Best luck..!!

View Job

Ahmedabad Full Time

NATIONAL GEOGRAPHIC

Android Developer
Develop and maintain Android app for NetGo.

View Job

Ahmedabad Full Time

NATIONAL GEOGRAPHIC

Java Developer
svsvsvs

View Job

Ahmedabad Full Time

Hey Friends Any Queries?

We are ready to help you. You should receive a response within 48 hours.

Call: 960 143 2505

- Jobseeker apply for job

Job Details

localhost:8080/PCS/User/Client_jobseeker_show_single_job.jsp

Android Developer
Develop and maintain Android app for NetGo.

Category : Private Salary : 10000000 Experience(s) : 7 Year

OVERVIEW

We are look for that type employer who has experience of mobile development for minimum 7 years. Make a useful, easy, flexible application which support social image share option.

ABOUT NETGO

The National Geographic Society has been inspiring people to care about the planet since 1888. It is one of the largest nonprofit scientific and educational institutions in the world. Its interests include geography, archaeology and natural science, a

Upload Your Resume

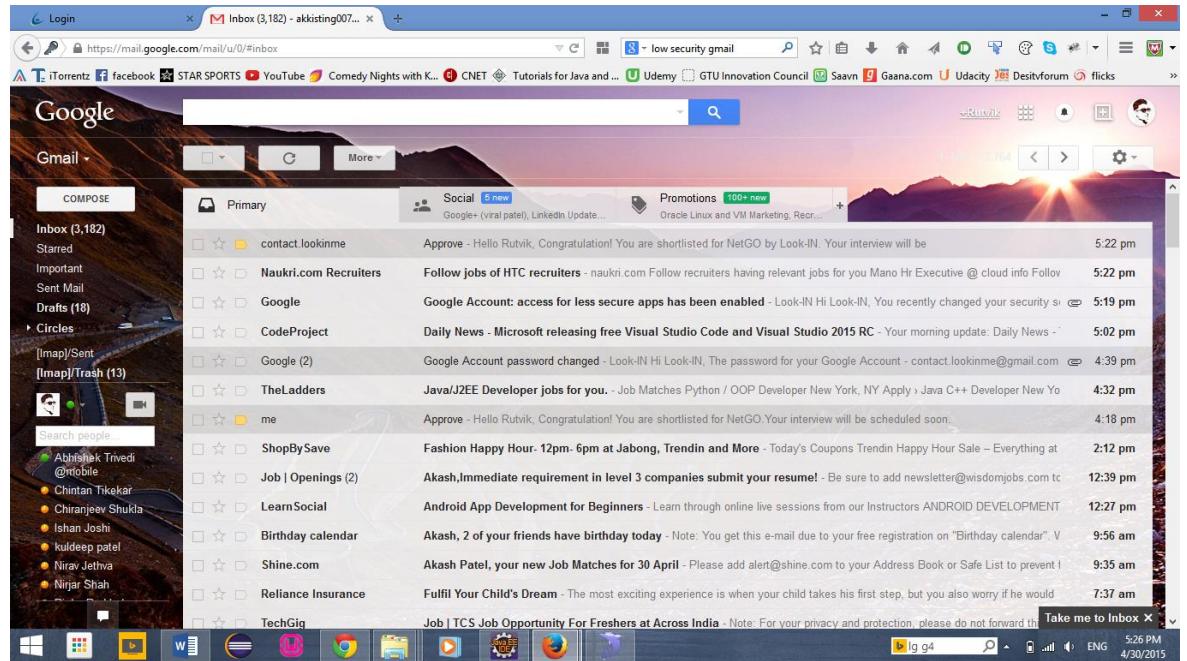
At vero eos et accusamus et iusto odio dignissimos ducimus qui blanditiis praesentium voluptatum deleniti atque corrupti quos dolores et quas molestias

UPLOAD YOUR RESUME

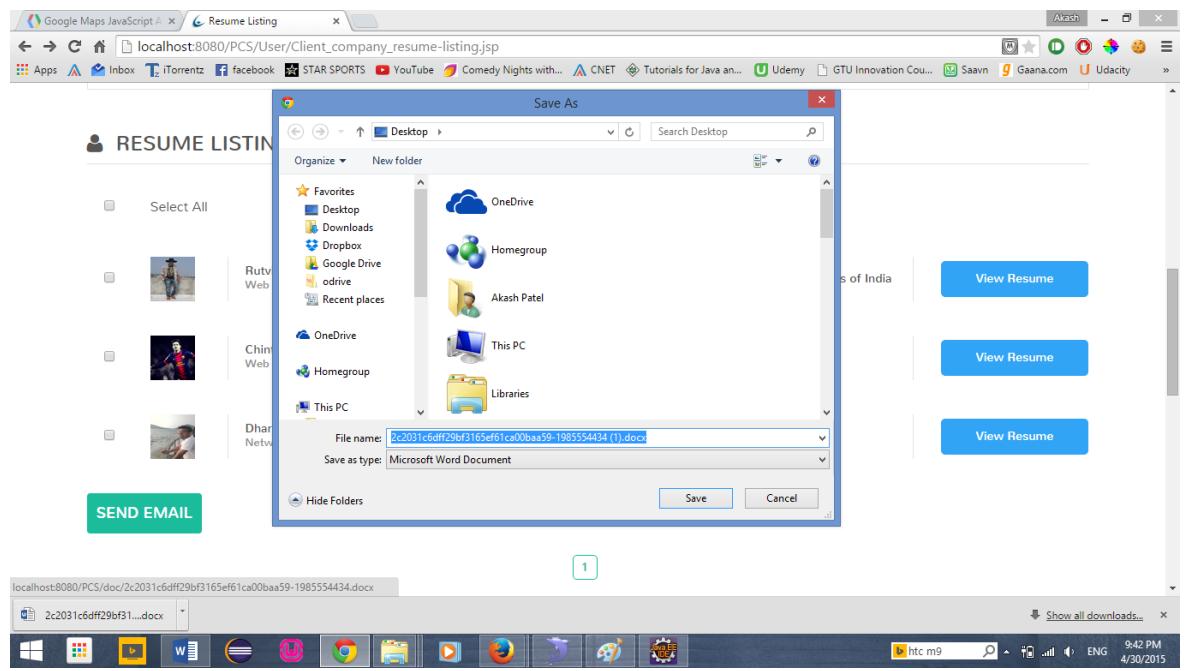
- View all jobseeker who applied for job

| Action | Status | Experience | Current Company | Doctorate course | Masters course | Graduation course | Job-seeker City | Job-seeker Name | Select All |
|---------------|--------------|------------|-----------------|-------------------------------------|------------------|------------------------|-----------------|-----------------|-------------------------------------|
| Send Selected | Not Selected | 12 | Times of India | Principles of Programming Languages | Computer Science | Computer Engineering | Ahmedabad | Rutvik | <input checked="" type="checkbox"/> |
| Send Selected | Not Selected | 0 | | NA | | Computer Engineering | Ahmedabad | Rutang | <input type="checkbox"/> |
| Send Selected | Not Selected | 2 | Nike | Principles of Programming Languages | Computer Science | Computer Engineering | Ahmedabad | Chintan | <input checked="" type="checkbox"/> |
| Send Selected | Not Selected | 0 | TCS | Principles of Programming Languages | Advance Network | Information Technology | Ahmedabad | Dharmesh | <input type="checkbox"/> |

- Approve mail for interview schedule



- Show resume of shortlisted jobseeker by admin



- Schedule interview

The screenshot shows a web-based resume listing application. At the top, there's a header with a user icon and the text 'RESUME LISTING'. Below it, there's a section titled 'Select All' with a checkbox. Three resumes are listed:

- Rutvik Patel**: Web Developer, 12 years, Ahmedabad, Gujarat, Times of India. **View Resume** button.
- Chintan Tikekar**: Web Developer, 2 years, Ahmedabad, Gujarat, Nike. **View Resume** button.
- Dharmesh Patel**: Networking Engineer/Cisco - Adjunct Instructor, 0 years, Ahmedabad, Gujarat, TCS. **View Resume** button.

At the bottom left is a large green 'SEND EMAIL' button. At the bottom right is a download bar showing a file named '2c2031c6dff29bf31...docx'.

- Email API for send notification

```

final String from = "contact.lookinme@gmail.com";
final String username = "Look-IN";
final String password = "lookhereawsm";

String host = "smtp.gmail.com";
Properties props = new Properties();
props.put("mail.smtp.auth", "true");
props.put("mail.smtp.starttls.enable", "true");
props.put("mail.smtp.host", host);
props.put("mail.smtp.port", "587");

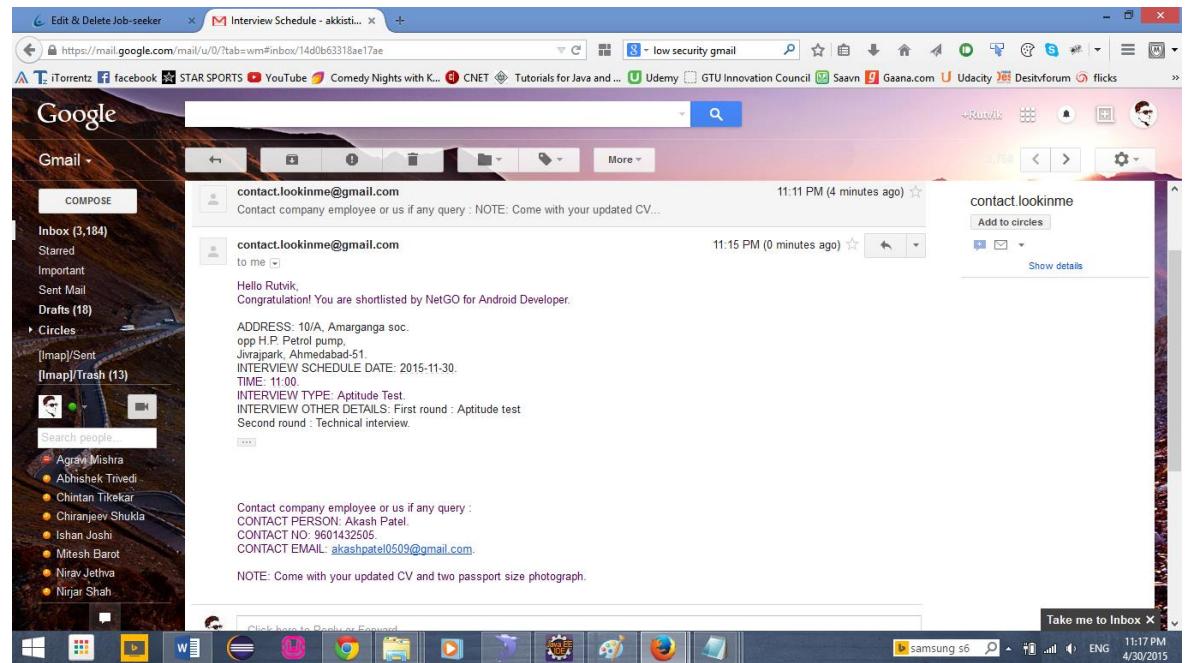
Session session = Session.getInstance(props,
    new javax.mail.Authenticator() {
        protected PasswordAuthentication getPasswordAuthentication() {
            return new PasswordAuthentication(from, password);
        }
});

try {
    Message message = new MimeMessage(session);
    message.setFrom(new InternetAddress(from));
    message.setRecipients(Message.RecipientType.TO,
        InternetAddress.parse(add_apply_VO2.getUser_id().getEmail()));
    message.setSubject("Approve");

    Add_jobseeker_VO add_jobseeker_VO= (Add_jobseeker_VO)add_apply_VO2.getJobseeker_id();
    Add_company_VO add_company_VO=(Add_company_VO)add_apply_VO2.getCompany_id();
    message.setText(" "
        + "Hello "+add_jobseeker_VO.getFirst_name()+""
        + "\n Congratulation! You are shortlisted for " +add_company_VO.getCompany_name()+""
        + " by Lock-IN. Your interview will be scheduled soon. \n Keep in touch!!"
    );
}

```

- Interview confirmation mail by company



- Recruited jobseeker

| Shortlist Job-seekers | | | | | | | | | |
|--|-----------------|-----------------|------------------------|------------------|-------------------------------------|-----------------|------------|--------------|--------------------------------|
| | Job-seeker Name | Job-seeker City | Graduation course | Masters course | Doctorate course | Current Company | Experience | Status | Action |
| <input type="checkbox"/> | Rutvik | Ahmedabad | Computer Engineering | Computer Science | Principles of Programming Languages | Times of India | 12 | Recruited | <button>Send Selected</button> |
| <input type="checkbox"/> | Rutang | Ahmedabad | Computer Engineering | NA | NA | | 0 | Not Selected | <button>Send Selected</button> |
| <input type="checkbox"/> | Chintan | Ahmedabad | Computer Engineering | Computer Science | Principles of Programming Languages | Nike | 2 | Selected | <button>Send Selected</button> |
| <input type="checkbox"/> | Dharmesh | Ahmedabad | Information Technology | Advance Network | Principles of Programming Languages | TCS | 0 | Recruited | <button>Send Selected</button> |
| <input type="checkbox"/> | Rutvik | Ahmedabad | Computer Engineering | Computer Science | Principles of Programming Languages | Times of India | 12 | Not Selected | <button>Send Selected</button> |
| <input type="button" value="Filter"/> <input type="button" value="Filter ,"/> <input type="button" value="Filter J"/> <input type="button" value="Filter G"/> <input type="button" value="Filter h"/> <input type="button" value="Filter Do"/> <input type="button" value="Filter C"/> <input type="button" value="Filter E"/> <input type="button" value="Filter t"/> | | | | | | | | | |
| Showing 1 to 5 of 5 entries | | | | | | | | | |

3.3 TESTING

3.3.1 TESTING PLAN

Unit Testing is a level of the software testing process where individual units/components of a software/system are tested. The purpose is to validate that each unit of the software performs as designed.

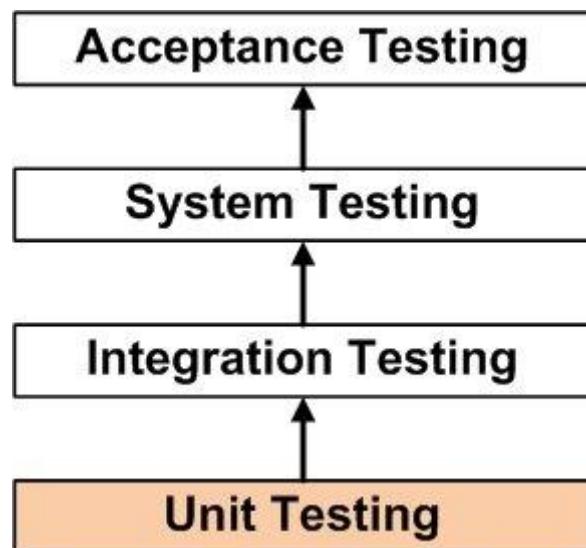


Figure 3.9 Testing method step

A unit is the smallest testable part of software. It usually has one or a few inputs and usually a single output.

Integration Testing is a level of the software testing process where individual units are combined and tested as a group. The purpose of this level of testing is to expose faults in the interaction between integrated units.

System Testing is a level of the software testing process where a complete, integrated system/software is tested. The purpose of this test is to evaluate the system's compliance with the specified requirements.

Acceptance Testing is a level of the software testing process where a system is tested for acceptability. The purpose of this test is to evaluate the system's compliance with the business requirements and assess whether it is acceptable for delivery.

3.3.2 TESTING METHOD

Black Box Testing, also known as Behavioral Testing, is a software testing method in which the internal structure/design/implementation of the item being tested is not known to the tester. These tests can be functional or non-functional, though usually functional.

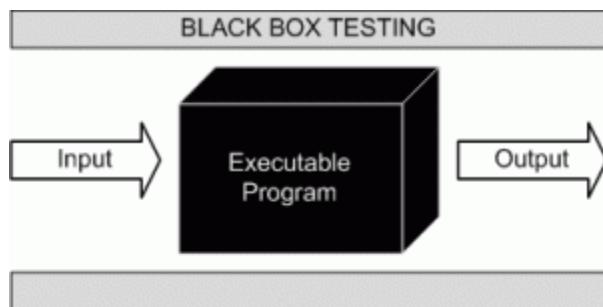


Figure 3.10 Black box testing

White Box Testing (also known as Clear Box Testing, Open Box Testing, Glass Box Testing, Transparent Box Testing, Code-Based Testing or Structural Testing) is a software testing method in which the internal structure/design/implementation of the item being tested is known to the tester. The tester chooses inputs to exercise paths through the code and determines the appropriate outputs. Programming know-how and the implementation knowledge is essential. White box testing is testing beyond the user interface and into the nitty-gritty of a system.

This method is named so because the software program, in the eyes of the tester, is like a white/transparent box; inside which one clearly sees. White Box Testing is contrasted with Black Box Testing. View Differences between Black Box Testing and White Box Testing.

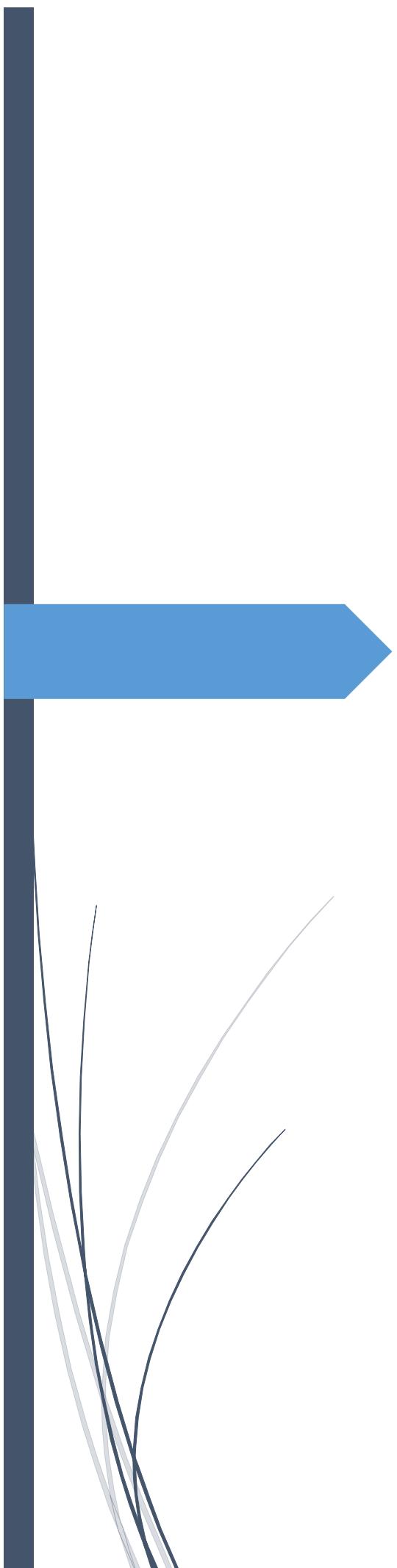
3.3.3 TESTING CASES

| | | |
|------------------|---|---|
| Id | : | 1 |
| Title | : | Login |
| Priority | : | high |
| Execution Result | : | Success |
| Purpose | : | Verified Email and Password with MD5 Encryption |
| Steps | : | Entered Email and Password Click on Login Button |
| Result | : | User is re-directed to its corresponding Login page |

Id : 2
Title : Upload Resume
Priority : high
Execution Result : Success
Purpose : Check the uploaded file is of .doc file only and size must be Less than 5 MB

Steps : 1 Clicked on Browse
2 Searched the document file
3 Select it and click on Upload button
Result : File is successfully uploaded on server

Id : 3
Title : URL Check
Priority : high
Execution Result : Success
Purpose : Verify the URL pattern and username session
Steps : 1 Login using the credential
2 Tried to access admin page
3 Login using the credential
4 Clicked on back button
Result : User is Notified as you are trying to access admin page User is sign out from the session, and he has to re login



CHAPTER: 4

SUMMARY

4.1 ADVANTAGES

- ❖ Manually follow up won't require so much
- ❖ Candidate would have all the detail of interview schedule in email
- ❖ Admin can easily come to know about the ongoing recruitment process
- ❖ Candidate detail are secure and furnished
- ❖ Online web-application allow user to change his/her on data from anywhere, anytime

4.2 SCOPE

The Primary goal of this project is to reduce manual work and provide consultant friendly and convenient environment. This web application will make a job easier for user. By applying this web-application we can reduce error and duplication of data, even we can have all the information at just single click. This web-application will reduce the manual follow up of the client, candidate. We implemented e-mail module, which will allow consultant to send an e-mail instantly, without worrying about template and content of the e-mail.

I Conclude based upon the web-application which I created, it would bring a huge change in work environment and will bring the company to achieve its goals and make it success.

4.3 FEATURES

ADMIN PANEL:

1. Manage registered users (Edit/Active/Inactive)
2. Manage Employers (Edit/Active/Inactive)
3. Manage Top Employers
4. Manage Job seekers
5. Manage Courses (Add/Edit)
6. Manage Specialization Courses (Add/Edit)
7. Manage Institutes (Add/Edit)
8. Manage Job Location (Add/Edit) International based.
9. Mange Functional Area
10. Manage Role Area
11. Manage Roles

12. Job Type (Full Time, Part Time and Contract)
13. Manage Industries
14. Shortlist candidate who had applied already.

COMPANY FEATURES:

1. Account Management
2. Registration & Log In
3. Edit Account
4. Option of including company profile, contact information and logo Update profile at any time
5. Activate or deactivate jobs
6. Refresh jobs the preview job posting option allows you to validate a job posting to check for improper inputs, misspellings
7. View list of job seekers who have been called for interviews
8. Send interview request
9. Post Jobs
10. Search Resumes
11. Save Resumes
12. Contact Candidates
13. Renew account

JOB SEEKERS FEATURES

1. Home Page Design
2. Manage job seeker account
3. Registration – Log In
4. Edit Resume – Email Resume – Print Resume
5. Manage Photograph - Change Password
6. Quick Job Search
7. Add multiple list of qualification and experience
8. Search jobs by location, qualification, category, company, location, experience, keywords and many more parameters
9. View all jobs by a specific employer
10. View company's profile
11. Apply for job
12. Quires Solve fast and easy

4.4 PROJECT BENCHMARK

The Primary goal of this project is to reduce manual work and provide consultant friendly and convenient environment. This web application will make a job easier for user. By applying this web-application we can reduce error and duplication of data, even we can have all the information at just single click. This web-application will reduce the manual follow up of the client, candidate. We implemented e-mail module, which will allow consultant to send an e-mail instantly, without worrying about template and content of the e-mail.

I Conclude based upon the web-application which I created, it would bring a huge change in work environment and will bring the company to achieve its goals and make it success.

4.5 FUTURE ENHANCEMENT

It is unreasonable to consider a computer based information system complete or finished; the system continues to evolve throughout its life cycle, even if it's successful. It is the case with this system too. Due to the creative nature of the design, there remain some lapse-mistaken communications between the users and the developers.

So, certain aspects of the system must be modified as operational experience is gained with it. As users work with the system, they develop ideas for change and enhancements.

- ❖ In future we are planning to implement, Text message service, which will helpful to user to instantly receive notification
- ❖ We are planning to implement voice call facility, from the system too
- ❖ Also in future we had plan to provide a better user interface for candidate, so that they can search up-coming and ongoing job details

REFERENCES

- [1] Cay Horstmann, BIG JAVA, Wiley, 2008
- [2] Kathy Sierra, Head First Java Second Edition, Shroff O Reilly, 2005
- [3] Herb Schildt, Java 2 Complete Reference, McGraw Hill Education (India) Pvt Ltd, 2002
- [4] Info Edge India Ltd. (2008), NAUKRI.com, www.naukri.com, <http://www.naukri.com/> [Accessed 3rd July 2014]
- [5] [Recruit Co. Ltd](#) (2012), INDEED.com, <http://www.indeed.co.in/> , [Accessed 3rd July 2014]
- [6] Intercontinental Exchange (1999), [MONSTER.com](#), <http://www.monster.com/> [Accessed 5th September 2014]
- [7] Genuine Consultants Ltd. (2005), <http://www.geniusconsultant.com/> [Accessed 11th November 2014]
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Appendix 1

Periodic Progress Report

❖ Periodic Progress Report:

- Periodic Progress Report – 1
- Periodic Progress Report – 2
- Periodic Progress Report – 3
- Periodic Progress Report – 4

Periodic Progress Report: First PPR

Project:

Placement Consultancy System

Status: Reviewed (Freeze)

What Progress you have made in the Project?

- 1) Admin panel almost ready with designing and code with proper format.
- 2) Except from Paypal and feedback admin panel is ready for deployment.
- 3) On the other side - user side, I'm working on it.

What challenge you have faced?

- 1) Excellent Look and feel on user side.
- 2) Search various details in Admin panel with HQL queries.
- 3) Multiple file upload on website
- 4) Integration AJAX with current website

What support you need?

- 1) Finalize features, which I could apply in my web-application.
- 2) Various security levels will integrate in Java web - application

Which literature you have referred?

- 1) Head First Java, 2nd Edition
- 2) W3schools - <http://www.w3schools.com/>
- 3) Tutorial point <http://www.tutorialspoint.com/>

Comment by Internal Guide:

The work done by Akash is very good,nice concept in project,reporting is always on time,he had given fullon efforts for this project, around 70% work is completed.

Periodic Progress Report: Second PPR**Project:**

Placement Consultancy System

Status: Reviewed (Freeze)

What Progress you have made in the Project?

- 1) Add Authentication filter
- 2) Advance Search in SQL tables
- 3) Small bug fixes

What challenge you have faced?

- 1) Add authentication Security to Web application with a filter
- 2) Intermediate level SQL Queries

What support you need?

- 1) Filter learnt and applied in web application myself
- 2) Online materials was enough for me for this PPR

Which literature you have referred?

- 1) Tutorial point - online material
- 2) Head First Java - Book
- 3) Some other YouTube videos

Comment by Internal Guide:

Some of the bugs that were coming previously are solved now, nice progress in project

Periodic Progress Report: Third PPR**Project:**

Placement Consultancy System

Status: Reviewed (Freeze)

What Progress you have made in the Project?

- 1) Fix few bugs
- 2) Add new features like encryption in file upload

What challenge you have faced?

- 1) Work with MD5 algorithm for file uploading
- 2) Foreign key deletion in Database

What support you need?

Some importance guidance from mentor

Which literature you have referred?

- 1) Tutorialpoint - website
- 2) Some materials of MYSQL on Internet

Comment by Internal Guide:

Applied MD5 algorithm for uploading a file, only some work is remaining in project now

Periodic Progress Report: Forth PPR**Project:**

Placement Consultancy System

Status: Reviewed (Freeze)

What Progress you have made in the Project?

- 1) Email notification for each and every step of the placement
- 2) Password recovery
- 3) OTP password is also is their
- 4) Google Maps integration

What challenge you have faced?

- 1) Email notification using network protocol
- 2) Configure AIP for send mail

What support you need?

- 1) Guideline for configure various API in running system

Which literature you have referred?

- 1) Some online materials
- 2) <http://www.studytonight.com/> - website
- 3) Tutorial Point - offline

Comment by Internal Guide:

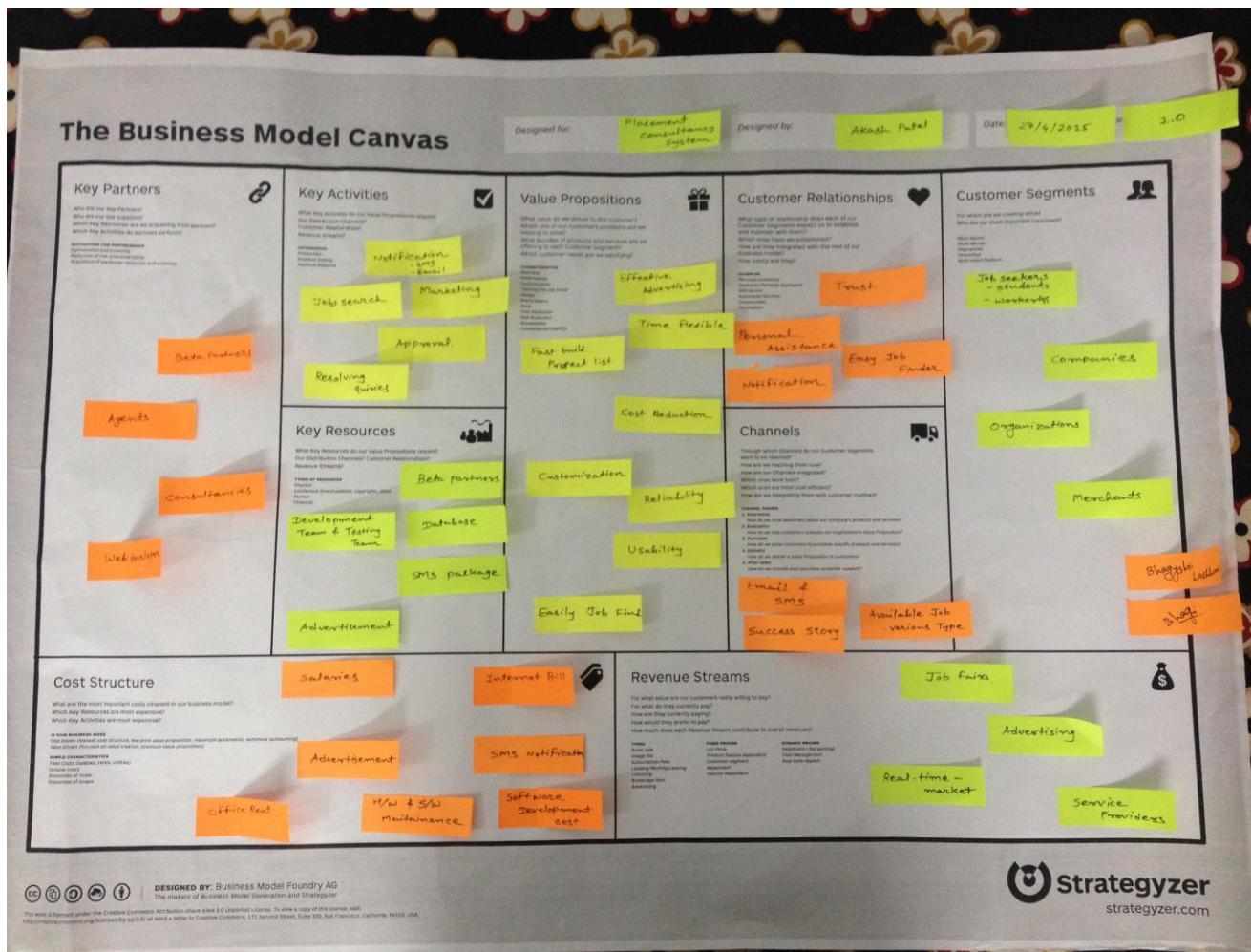
All the functionalists are implemented and project is successfully prepared, nice work done, very hard working and nice work done.

Appendix 2

Business Model Canvas

Business Model Canvas

- Customer Segments
- Customer Relationships
- Channels
- Value Propositions
- Key Activities
- Key Resources
- Cost Structure
- Revenue Streams



Business Model Canvas

1 CUSTOMER SEGMENTS

There are various types of user or customers in my web application. One of the type is jobseeker and other which are those want to recruit jobseekers like companies, organization, merchants.

2 CUSTOMER RELATIONSHIP

Whenever we talk about positive relationship there is a trust behind the bonding.

Customer have trust on the service provider.

Professional assistance also play a huge role in my web app and it is an attractive features, which is included in my web service.

Notification and easy job finder is a backbone of my project.

3 CHANNEL

We can easily notify user by the email and SMS.

User can write a success story of them so that we can built trust.

According to requirement various types of jobs are available.

4 VALUE PROPOSITION

Various features provide flexibility, Customization, Reliability, Usability

User can write a success story of them so that we can built trust.

According to requirement various types of jobs are available.

Easily find job and shortlists candidates threw web service.

5 KEY ACTIVITIES

Notifications are provide by email and SMS also.

Job search easily and find MNC companies as well.

Applications are filter by the website and company so company have furnished data and provide satisfaction.

Developer and tester team work for solve the Problems, which were faced by the user and other queries also solved by them

6 KEY RESOURCES

Developer and tester team are the key partner for any web services.

Database which is used in web-application.

Beta partners and advertisement are also useful resource.

7 KEY RESOURCES

Developer and tester team are the key partner for any web services.

Database which is used in web-application.

Beta partners and advertisement are also useful resource.

8 KEY RESOURCES

Developer and tester team are the key partner for any web services.

Database which is used in web-application.

Beta partners and advertisement are also useful resource.

9 KEY PARTNERS

Companies will perform major part in my website.

Agents make a useful for make website advance.

Database which is used in web-application.

Beta partners and advertisement are also useful resource.

10 COST STRUCTURE

H/W and S/W maintenance, Electricity bill, Internet bill, Office Rent, third party service pack, Software Development cost, etc.

11 REVENUE STREAMS

Real-time market, Job fairs, Advertising etc.

GTU Innovation Council

Patent Drafting Exercise (PDE)

FORM 1
THE PATENTS ACT 1970
(39 OF 1970)
&
THE PATENTS RULES, 2003
APPLICATION FOR GRANT OF PATENT

(FOR OFFICE USE ONLY)
Application No:
Filing Date:
Amount of Fee paid:
CBR No: _____

1. Applicant(s) :

| ID | Name | Nationality | Address | Mobile No. | Email |
|----|-----------------------|-------------|---|------------|--------------------------|
| 1 | Akash Jadavbhai Patel | Indian | Computer Engineering , Ahmedabad Institute Of Technology, Gota, Ahmedabad , Gujarat Technologycal University. | 9601432505 | akashpatel0509@gmail.com |

2. Inventor(s):

| ID | Name | Nationality | Address | Mobile No. | Email |
|----|-----------------------|-------------|---|------------|--------------------------|
| 1 | Akash Jadavbhai Patel | Indian | Computer Engineering , Ahmedabad Institute Of Technology, Gota, Ahmedabad , Gujarat Technologycal University. | 9601432505 | akashpatel0509@gmail.com |

3. Title of Invention/Project:

Placement Consultancy System

4. Address for correspondence of applicant/authorized patent agent in india

Name: Akash Jadavbhai Patel

Address: Computer Engineering , Ahmedabad Institute Of Technology, Gota, Ahmedabad , Gujarat Technological University.

Mobile: 9601432505

Email ID: akashpatel0509@gmail.com

5. Priority particulars of the application(S) field in convention country

| Country | Application No. | Filing Date | Name of the Applicant | Title of the Invention |
|---------|-----------------|-------------|-----------------------|------------------------|
| N/A | N/A | N/A | N/A | N/A |

6. Particulars for filing patent co-operation treaty (pct) national phase Application

| | |
|----------------------------------|---|
| International application number | International filing date as allotted by the receiving office |
| N/A | N/A |

7. Particulars for filing divisional application

| | |
|------------------------------------|--|
| Original(First) Application Number | Date of filing of Original (first) application |
| N/A | N/A |

8. Particulars for filing patent of addition

| | |
|------------------------------------|--|
| Original(First) Application Number | Date of filing of Original (first) application |
| N/A | N/A |

9. DECLARATIONS:**(i) Declaration by the inventor(s)**

I/We, the above named inventor(s) is/are true & first inventor(s) for this invention and declare that the applicant(s).

herein is/are my/our assignee or legal representative.

Date : 1 - May - 2015

Name

Signature & Date

1 Akash Jadavbhai
Patel

(ii) Declaration by the applicant(s) in the convention country

I/We, the applicant (s) in the convention country declare that the applicant(s) herein is/are my/our assignee or legal representative.applicant(s)

(iii) Declaration by the applicant(s)

I/We, the applicant(s) hereby declare(s) that:-

- I am/We in possession of the above mentioned invention.
- The provisional/complete specification relating to the invention is filed with this application.
- The invention as disclosed in the specification uses the biological material from India and the necessary permission from the competent authority shall be submitted by me/us before the grant of patent to me/us.
- There is no lawful ground of objection to the grant of the patent to me/us.
- I am/we are the assignee or the legal representative of true & first inventors.
- The application or each of the application, particulars of each are given in the para 5 was the first application in the convention country/countries in respect of my/our invention.
- The application or each of the application, particulars of each are given in the para 5 was the first application in the convention country/countries in respect of my/our invention.
- I/we claim the priority from the above mentioned applications(s) filed in the convention country/countries & state that no application for protection in respect of invention had been made in a convention country before that date by me/us or by any person
- My/Our application in India is based on international application under Patent Cooperation Treaty (PCT) as mentioned in para 6
- The application is divided out of my/our application(s) particulars of which are given in para 7 and pray that this application may be treated as deemed to have been filed on _____ under section 16 of the Act.
- The said invention is an improvement in or modification of the invention particulars of which are given in para 8.

10. Following are the attachments with the application:

- (a) Provisional specification/Complete specification
- (b) Complete specification (In confirmation with the international application) / as amended before International Preliminary Examination Authority (IPEA), as applicable (2 copies), No. of pages.. claims.....
- (c) Drawings (In confirmation with the international application)/as amended before the International Preliminary Examination Authority (IPEA), as applicable (2 copies), No. of sheets....
- (d) Priority documents
- (e) Translations of priority documents/specification/international search reports
- (f) Statement and undertaking on Form 3
- (g) Power of Authority
- (h) Declaration of inventorship on Form 5
- (i) Sequence listing in electronic Form
- (j) Fees Rs.XXX in Cash /Cheque/Bank Draft bearing No.XXX Date: XXX on Bank.

I/We hereby declare that to the best of my /our knowledge, information and belief the facts and matters stated herein are correct and I/We request that a patent may be granted to me/us for the said invention.

Dated this 1 day of May , 2015

Name

Signature & Date

- 1 Akash Jadavbhai
Patel



FORM 2
THE PATENTS ACT, 1970
(39 OF 1970)
&
THE PATENTS RULES, 2003
PROVISIONAL SPECIFICATION

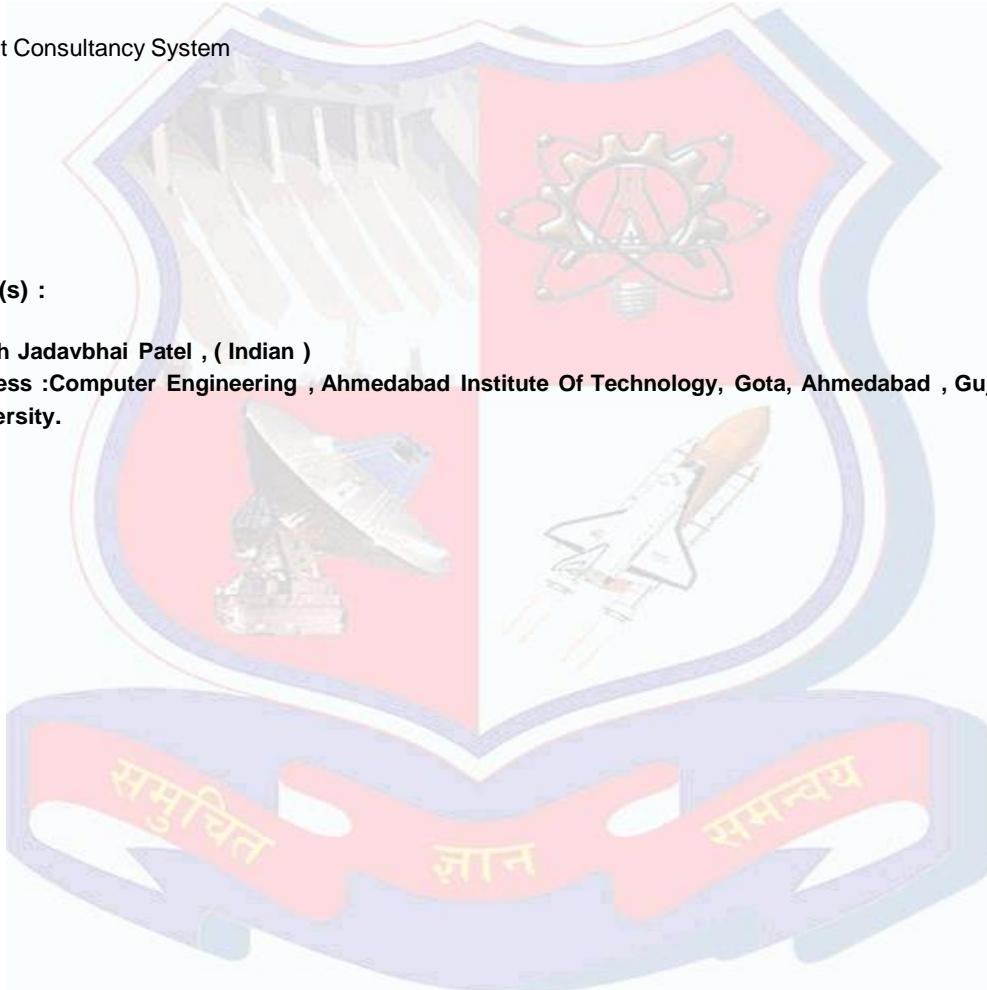
1. Title of the project/invention :

Placement Consultancy System

2. Applicant(s) :

Akash Jadavbhai Patel , (Indian)

Address :Computer Engineering , Ahmedabad Institute Of Technology, Gota, Ahmedabad , Gujarat Technologyc University.



3. Preamble to the description :

The following specification describes the invention.

4. Description :

a. Field of Application / Project / Invention :

Computer Engineering

b. Prior Art / Background of the Invention / References :

Aim of the application is to reduce HR's workflow. In our proposed Look-IN job portal, we are focusing on providing a platform for the ICT expert to provide their expertise to the employers among the regional by easily get the information from the portal. The type of information provided is the basic design of the portal. The information of the expert or employers should meet the needs of each other. Email alert, Security like file upload and authentication are there in web application.

c. Summary of the Invention/Project :

This finding is significant because the cost for e-recruitment is much cheaper than the traditional hiring process. A research found that a usable e-recruiting system reduces the hiring time by two-third and lower costs by 90%. Project aim is to provide to make easy relationship between job-seeker and companies.

Shortlist candidate and Schedule their interview , all these recruitment process are here.

d. Objects of the Invention/Project :

Object of the application is to reduce HR's workflow.

Provide various jobs to the job-seeker and make satisfaction on both end like job-seekers and companies.

- 1) We can directly communicate with company member and can show our full portfolio with available number of candidate and total placed candidate
- 2) We can have fully furnished student data with specialized skill
- 3) Easily communicate to a group of candidate who has applied to a specific job
- 4) Sending the Interview venue detail and communicate to a candidate is easy
- 5) Candidate can ask for change in interview in schedule by online
- 6) Candidate can send resume online and can edit anytime , anywhere
- 7) Company member can fill its company detail and portfolio so that candidate can have detail about the company in which he has applied
- 8) We can generate report by providing different criteria
- 9) Admin can have a detail about ongoing recruitment process and outstanding payment of company/Client

e. Drawing(s) :

f. Description of the Invention

Placement and selection is the major function of the Placement Consultancy System and recruitment process is the first step towards creating the competitive strength and the strategic advantage for the organization.

Core Components of the web-application is Consultant, administrator , Job-seeker.

Here I had briefly explained the workflow of consultant.

PROCESS:

1. Identifying the vacancy

The recruitment process begins with the human resource department receiving requisition for recruitment from any department of the company.

These Contains:

- Posts to be filled
- Number of person
- Duties to be performed.
- Qualification required
- Experience (if required)

2. Creating job Description

• Before the recruitment process begins a job description should be created indicating various aspects which are important to the position being advertised.

3. Advertising the job description

• Advertisement should be open for 2-4 weeks allowing candidate reasonable time period to respond.

Advertisement can be done internally & externally as follows

- Internal : notice boards, public spaces in the company, communicated verbally through meetings
- External : Publishing post on web-application, local newspaper

4. Determine the appropriate selection process

• The selection process will vary depending on the level of job you are recruiting for

For Example: if you are recruiting managerial position, you may have a panel to interview applicants. If you are applying for developer post, than it might have skills test. That is depend upon the job for which you had applied and recruiter company's policy

5. Assess short listed candidate

- Candidate are short listed by team member of our placement consultancy
- Generally we individually call to candidate who are seeking for a job and get the conformation

6. Schedule interview

• Candidate who are interested for a job and wants to apply, than we schedule an interview for them

• This schedule are subject of conformation by candidate.

7. Finalize candidate

• When candidate clear all interview round, than we get the final confirmation from company's end

g. Examples

h. Unique Features of the Project

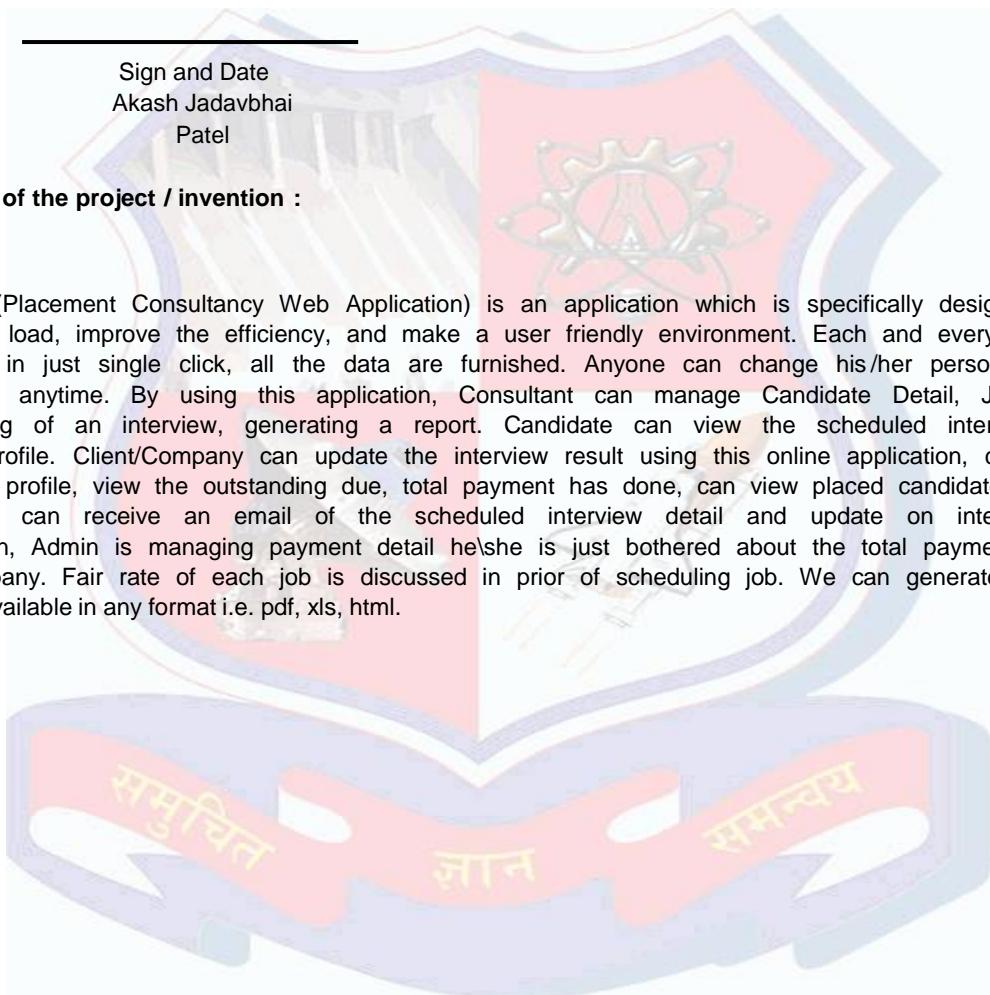
Efficient Local job search according to Maps location.

5. Date & Signature :

Sign and Date
Akash Jadavbhai
Patel

6. Abstract of the project / invention :

Look-IN (Placement Consultancy Web Application) is an application which is specifically designed to reduce the work load, improve the efficiency, and make a user friendly environment. Each and every information is available in just single click, all the data are furnished. Anyone can change his/her personal detail from anywhere anytime. By using this application, Consultant can manage Candidate Detail, Job Detail and Scheduling of an interview, generating a report. Candidate can view the scheduled interview and can update profile. Client/Company can update the interview result using this online application, can update the company profile, view the outstanding due, total payment has done, can view placed candidate detail. Even, candidate can receive an email of the scheduled interview detail and update on interview. In this application, Admin is managing payment detail he/she is just bothered about the total payment received by the company. Fair rate of each job is discussed in prior of scheduling job. We can generate a report and make it available in any format i.e. pdf, xls, html.



Drawing Attachments :



Note : This is just a mock Patent Drafting Exercise (PDE) for semester 8, BE students of GTU.
These documents are not to be submitted with any patent office.

FORM 3
THE PATENTS ACT, 1970
(39 OF 1970)
&
THE PATENTS RULES, 2003
STATEMENT AND UNDERTAKING UNDER SECTION 8

1. Declaration :

I/We, Akash Jadavbhai Patel ,

2. Name, Address and Nationality of the joint Applicant :

Akash Jadavbhai Patel (Indian)

Address : Computer Engineering , Ahmedabad Institute Of Technology,
 Gota, Ahmedabad , Gujarat Technological University.

Here by declare:

- (i) that I/We have not made any application for the same/substantially the same invention outside India.
- (ii) that the right in the application(s) has/have been assigned to,

| Name of the Country | Date of Application | Application Number | Status of the Application | Date of Publication | Date of Grant |
|---------------------|---------------------|--------------------|---------------------------|---------------------|---------------|
| N/A | N/A | N/A | N/A | N/A | N/A |

- (iii) that I/We undertake that up to the date of grant of patent by the Controller , I/We would keep him inform in writing the details regarding corresponding application(s) for patents filed outside India within 3 months from the date of filing of such application.

Dated this 1 day of May , 2015.

3. Signature of Applicants :

 Sign and Date
 Akash Jadavbhai Patel

To
 The Controller of Patent
 The Patent Office, at **Mumbai**.

Appendix 3

Patent Drafting Exercise

❖ Patent Drafting Exercise:

Appendix 1

Prior Art Search

❖ Prior Art Search:

- Prior Art Search – 1
- Prior Art Search – 2
- Prior Art Search – 3
- Prior Art Search – 4



GTU - Prior Art Search

29-April-2015

Patent Search & Analysis Report (PSAR)

Team Id : 12627
Name : PATEL AKASH JADAVBHAI

Part - I : PATENT SEARCH TECHNIQUE USED

Patent Search Database Used : Google Patents
Keywords Used for Search : job portal website patent, ,job portal India, patent of documentation for job portal,job portal website template, job portal India, patent of documentation for job portal
Search String Used : job portal website patent
Number of Results/Hits getting : 906

Part - II : BASIC DATA OF PATENTED INVENTION/BIBLIOGRAPHIC DATA

Category/Field of Invention : job portal
Invention is Related to/Class of Invention : Web based job portal
Title of Invention : Partner portal solution for financial sector
Patent No. :
Application No. : 13/519,536
Date of Filing/Application : 20/08/2012
Priority Date : -
Publication/Journal Number - (Issue No. of Journal in which Patent is published) :
Publication Date : -
First Filled Country :
Also Published as :

| Country | Patent No |
|---------|------------|
| | 61/573,105 |
| | 13/519,536 |

Applicant for Patent is : Company



GTU - Prior Art Search

- INVENTOR DETAIL

| Name of Inventor | Address/City/Country of Inventor |
|-----------------------------|----------------------------------|
| Ram Sharma Konduri | United States |
| Rajshekara VisWesWara maiye | Bangalore |

- APPLICANT/ASSIGNEE DETAIL

| Name of Applicant/Assignee | Address/City/Country of Applicant |
|----------------------------|-----------------------------------|
| Ram Sharma Konduri | United States |
| INFOSYS LIMITED | Bangalore |



Part - III : TECHNICAL PART OF PATENTED INVENTION

Limitation of Prior Technology/Art :

Here we have many types of user so we have to manage them is very complicated task.
it create over workload on application.

Specific Problem Solved/Objective of Invention :

Here we have many types of user so we have to manage them is very complicated task.
it create over workload on application.

Brief about Invention :

We have to fulfill requirement of users (employee and job seeker).
We create various log in table and entry so that we can easily manage user.
Various job seeker details manage by the shortlist candidate.

Key Learning Points :

We can manage the user and provide satisfaction at both end.
How to efficient website work with speedy and specific layout.

Summary of Invention :

We can manage the user and provide satisfaction at both end.
How to efficient website work with speedy and specific layout.
Various job seeker details manage by the shortlist candidate.

Number of Claims : 27

Patent Status : Published Application

How much this invention is related with your IDP/UDP? : 71 to 90%

Do you have any idea to do anything around the said invention to improve it? :

I is very much OK. I don't want to edit this patent.



Patent Search & Analysis Report (PSAR)

Team Id : 12627
Name : PATEL AKASH JADAVBHAI

Part - I : PATENT SEARCH TECHNIQUE USED

Patent Search Database Used : Google Patents
Keywords Used for Search : job portal website patent,patent of documentation for job portal,job portal India patent,job portal website patent,job portal website patent,patent of documentation for job portal
Search String Used : job portal website patent
Number of Results/Hits getting : 906

Part - II : BASIC DATA OF PATENTED INVENTION/BIBLIOGRAPHIC DATA

Category/Field of Invention : job portal
Invention is Related to/Class of Invention : Web base job portal
Title of Invention : METHOD AND SYSTEM FOR WEB BASED JOB PORTAL
Patent No. :
Application No. : 13/573,220
Date of Filing/Application : 30/08/2012
Priority Date : -
Publication/Journal Number - (Issue No. of Journal in which Patent is published) :
Publication Date : -
First Filled Country :
Also Published as :

| Country | Patent No |
|---------------|------------|
| United States | 13/573,220 |

Applicant for Patent is : Individual



GTU - Prior Art Search

- INVENTOR DETAIL

| Name of Inventor | Address/City/Country of Inventor |
|--------------------|----------------------------------|
| Ram Sharma Konduri | United States |

- APPLICANT/ASSIGNEE DETAIL

| Name of Applicant/Assignee | Address/City/Country of Applicant |
|----------------------------|-----------------------------------|
| Ram Sharma Konduri | United States |



GTU - Prior Art Search

Part - III : TECHNICAL PART OF PATENTED INVENTION

Limitation of Prior Technology/Art :

When we provide prepaid service and if satisfaction is not provided then refund procedure create tedious task.

Specific Problem Solved/Objective of Invention :

1. Job Seekers and Employers are thoroughly screened before they can start using the new Job Portal;
2. Real jobs are displayed, and hence Job Seekers have to spend minimal time in finding new opportunities;
3. Screened Job Seekers and screened Employers are connected directly; reducing the multiple middle layers and multiple postings for a single job;
4. Senior Job Seekers are allowed to register as interviewers. A senior Job Seeker can earn revenue for each interview specified by the new Job Portal;
5. Once a Job Seeker accepts an offer from an Employer, the new Job Portal hides the profile from other recruiters for a specified brief period; as a result other Job Seekers Will have a better chance in finding new opportunities;
6. The new Job Portal Will allow a Job Seeker either as an individual or as a representative of a group to offer consulting services. As a result a Job Seeker or the group can bid for the projects posted by Employers. Because of these options, a Job Seeker can earn on temporary basis;
7. The new Job Portal Will refund the registration fee to the Job Seeker, after finding new job opportunities through the new Job Portal; as a result registration Will be free for the Job Seeker;
8. An Employer does not need to go through much ordeal With multiple sources to find a job seeker;
9. Screened profiles of a Job Seeker With verification reports are displayed to the Employer for better decision process;
10. The new Job Portal Will allow an Employer to download the pre-screened reports of a Job Seeker; as a result an Employer can avoid repeated background verification of a Job Seeker;
11. An Employer can advertise projects in the new Job Portal to attract Job Seekers to bid for the projects; as a result the Employers can reduce project expenditure and Job Seekers can increase their earnings.

Brief about Invention :

1. Field of Invention
[0005] This invention relates to a Web based recruiting process normally known as "Job Portal". The Job Portal and its



GTU - Prior Art Search

method Will establish credibility for both Job Seekers and Employers by authentic veri?cation in human resource recruiting process.

[0006] 2. PriorArt

[0007] The prior art Job Portals are inadequate for employers to ?nd real experienced Job Seekers. An employer is forced to take the help of multiple sources such as Sta?ing Companies, Employee Referrals, Social Media, third party Human Resource Software applications and other job portals to ?nd a Job Seeker.

[0008] Prior art Job Portals have a very limited functionality to ?ll staf?ng needs. The disadvantages of them are:

1. Proper investigation of Job Portal users such as Employers and Job Seekers does not exist;
2. A Job Seeker can post a misleading resume;
3. A particular job is often displayed by multiple Sta?ing Companies; as a result the Job Seeker is misled by the number of job opportunities and the reality of an Employer;
4. Many Employers post ?ctitious jobs, resulting in misleading opportunities for a Job Seeker;
5. A Job seeker has no earning model other than ?nding employment;
6. Job Seeker's profile continues to remain visible to other employers, even after accepting a job offer from a new employer;
7. There is no facility for a Job Seeker to bid for projects directly;
8. Employers have to go through much ordeal in multiple ways to ?nd an experienced Job Seeker, resulting in wastage of time;
9. Since Employers have no credible Web based Job Portal, Employers incur heavy expenditure to ?nd a Job Seeker;
10. A Job Seeker negotiates with multiple Employers, before reporting to a new Employer. As a result Employer is not sure about the Job Seeker joining the company, even after Job Seeker accepts the job offer;
11. Employers face difficulties to reduce the expenditure on Information Technology projects, as there is no facility for employers to post projects in job portals so that Job Seekers may bid for the projects;
12. To reduce the expenditure on projects, Employers outsource to work in other countries..

Key Learning Points :

The new Job Portal reduces complexity and establishes credibility in Web based recruiting process. A Job Seeker can earn in addition to seeking job opportunities. An Employer does not need to depend on multiple sources for their staf?ng need. An Employer can ?nd credible Job Seekers with ease in addition to reducing the cost for projects. As a result an Employer Will save time, expenditure and avoid outsourcing the Work.



GTU - Prior Art Search

Summary of Invention :

The neW Job Portal reduces complexity and establishes credibility in Web based recruiting process. A Job Seeker can earn in addition to seeking job opportunities. An Employer does not need to depend on multiple sources for their staf?ng need. An Employer can ?nd credible Job Seekers With ease in addition to reducing the cost for projects. As a result an Employer Will save time, expenditure and avoid outsourcing the Work.

Number of Claims : 4

Patent Status : Published Application

How much this invention is related with your IDP/UDP? : 71 to 90%

Do you have any idea to do anything around the said invention to improve it? :

It is very much ok. I don't want to edit in this patent.



Patent Search & Analysis Report (PSAR)

Team Id : 12627
Name : PATEL AKASH JADAVBHAI

Part - I : PATENT SEARCH TECHNIQUE USED

Patent Search Database Used : Google Patents
Keywords Used for Search : job portal website patentjob portal India patent of documentation for job portaljob portal websi, job portal India patent of documentation for job portal, patent of documentation for job portal
Search String Used : job portal website patent
Number of Results/Hits getting : 906

Part - II : BASIC DATA OF PATENTED INVENTION/BIBLIOGRAPHIC DATA

Category/Field of Invention : job portal
Invention is Related to/Class of Invention : advertisement in job portal
Title of Invention : EMPLOYMENT PORTAL ENABLING INTERACTIVE MOBILE CONTACT FEEDBACK AND ADVERTISMENT
Patent No. :
Application No. : 13/137,591
Date of Filing/Application : 29/08/2011
Priority Date : -
Publication/Journal Number - (Issue No. of Journal in which Patent is published) :
Publication Date : -
First Filled Country :
Also Published as :

| Country | Patent No |
|---------------|------------|
| United States | 13/137,591 |

Applicant for Patent is : Individual



GTU - Prior Art Search

- INVENTOR DETAIL

| Name of Inventor | Address/City/Country of Inventor |
|------------------|----------------------------------|
| Nadimur Rahman | United States |

- APPLICANT/ASSIGNEE DETAIL

| Name of Applicant/Assignee | Address/City/Country of Applicant |
|----------------------------|-----------------------------------|
| Nadimur Rahman | United States |



Part - III : TECHNICAL PART OF PATENTED INVENTION

Limitation of Prior Technology/Art :

previous technology has a static website adv. here we have dynamic advertisement so that we can easily manage advertisement..
traditional system doesn't support dynamic structure.

Specific Problem Solved/Objective of Invention :

The present invention is related to an interne based employment portal having real time interactive capability betWeen a job seeker and a prospective employer and job related feedback from the portal to the job seeker. The invention further alloWls a job provider to target job seekers Who match a job by directly advertising to the job seeker.

Brief about Invention :

Web based employment portals facilitate employers and job applicants by creating a store of applicant information submitted by applicants With access by employers to select and process relevant candidates. Once selected, the prospective applicant may be contacted by a number of means includ ing phone, email and traditional posts. An attempt to contact the candidate the ?rst time by phone may not be successful unless the client can expect a call at a certain time or the client just ansWers the phone. Similarly, an email sent may be replied to later. In order to reduce the chances of a ?rst time contact being received and responded Without a lag, a com munication capability enabling real time response is needed that can also potentially prepare the job seeker to expect a contact With an employer right at the at the time of resume submission.

[0004] One example of a real time interactive recruitment is that given by US patent application With publication number 20030125970. Here the invention provides for real time online interactive recruitment, Whereby a recruiter is able to contact a job seeker in real time When the job seeker is most interested in a job. The recruiter Who can be company recruiter can further employ Web enabled chat session (on a PC or mobile) to discuss With the job seeker his or her pref erences to ascertain the candidacy of the job seeker. HoWever, a restriction is there that the job seeker be logged onto a Website Where his or her resume information is being submit ted. Any action of the job seeker on the Website triggers a recruiter administrator to compile a relevant job search and contact an available recruiter. Only then an available recruiter can interact With a job seeker Whose is currently on the Web site having the resume information. The present invention overcomes this kind of tWo Way online availability of the job provider or recruiter and job seeker.

[0005] An application process through a portal can become more meaningful When the applicant is able to see some



GTU - Prior Art Search

details of the competing candidates. The present invention provides a way for the applicant to assess the competition at hand.

Key Learning Points :

The present invention is a computer network implemented method, a system and a computer program product to Dec. 22, 2011

enable real time interaction between an employer and a job seeker. The job seeker submits his or her resume information on an employment portal and may further preauthorize a chat session option should a prospective employer request one. As such the job seeker may download a chat software module on his or her computer as well as a wireless mobile device. An employer posts a job on the employment portal website where a website agent processes limited number of best matches for the posted job from the database of applicant resumes. When an employer or a recruiter, while reviewing applicant resumes for the posted job on the employment portal, wants to contact a matched job seeker he or she may send a chat request that activates on the downloaded chat software module on a computer or a mobile device of the job seeker without the job seeker logged on the job portal website. The employer or recruiter may also be enabled to chat via a similar downloaded chat client as the job seeker. The jobseeker, while applying for a job may be provided with job related feedback statistics before or after the application is made.

[0007] One aspect of the present invention is a computer implemented method for enabling real time interaction for recruitment between a job seeker and a job provider via an internet based employment portal, the method comprising; said job provider posting a job on the employment portal; said job seeker applying for a posted job on the employment portal and enabling a chat functionality by checking a check box and downloading a chat client; said job seeker further checking a check box to access a feedback of job related statistics; said job seeker being provided with the feedback of job related statistics for the posted job; the job provider sending a request for a chat session with the job seeker; and the job provider interacting real time with the job seeker with a downloaded chat client.

[0008] Another aspect of the present invention is a system for enabling real time interaction for recruitment between a job seeker and a job provider via an internet based employment portal, via a computer network, comprising: a first data receiving component, adapted to receive computer readable data, representing information pertaining to a job, is provided by a job provider via said computer network; the data receiving component, adapted to receive computer readable data, representing information pertaining to a job seeker is provided by the job seeker via said computer network, the information in part comprised of an enabled chat functionality a first checked off check box as well as a second checked off check box to enable job seeker access to a feedback of job



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related statistics; a chat client downloaded by the job seeker to a computer as well as a mobile device; the data receiving component, adapted to receive computer readable data, representing information pertaining to a request from the job provider for a chat session with the job seeker; and an activated chat client at a second computing device enabling real time interaction between the job provider and the jobseeker. [0009] Another aspect of the same invention is computer implemented method for advertising a job posting on an employment portal hosted by an employment portal server the method comprising: a job provider posting a job on the employment portal hosted by the employment portal server; registered job seekers creating a landing pages on the employment portal; and the job provider advertising the job posting on landing pages of matching registered job seekers. In addition the said job provider can check a box on the job posting to advertise the job posting on all registered job seekers with the portal that match the job posting. The job provider as such

US 2011/0313941A1

is registered with the employment portal. Additionally a job seeker is notified of a job advertisement on the job seeker landing page. Over time, when a job provider has posted a few advertisements and received responses, the portal may suggest useful tips to the job provider to make a new job description more targeted for better targeting of potential candidates. This tips suggestion may also be provided to newly registered job providers that have no history of advertising their jobs within the portal. Additionally, the job seekers may also be advised in form of useful tips to get their profiles better suited for getting matched to job posting advertisements.

Summary of Invention :

The present invention is a computer network implemented method, a system and a computer program product to Dec. 22, 2011 enable real time interaction between an employer and a job seeker. The job seeker submits his or her resume information on an employment portal and may further preauthorize a chat session option should a prospective employer request one. As such the job seeker may download a chat software module on his or her computer as well as a wireless mobile device. An employer posts a job on the employment portal website where a website agent processes limited number of best matches for the posted job from the database of applicant resumes. When an employer or a recruiter, while reviewing applicant resumes for the posted job on the employment portal, wants to contact a matched job seeker he or she may send a chat request that activates on the downloaded chat software module on a computer or a mobile device of the job seeker without the job seeker logged on the job portal website. The employer or recruiter may also be enabled to chat via a similar downloaded chat client as the job seeker. The jobseeker, while applying for a job may be provided with job related feedback statistics before or after the application is made.



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[0007] One aspect of the present invention is a computer implemented method for enabling real time interaction for recruitment betWeen a job seeker and a job provider via an internet based employment portal, the method comprising; said job provider posting a job on the employment portal; said job seeker applying for a posted job on the employment portal and enabling a chat functionality by checking a check box and doWnloading a chat client; said job seeker further checking a check box to access a feedback of job related statistics; said job seeker being provided With the feedback of job related statistics for the posted job; the job provider sending a request for a chat session With the job seeker; and the job provider interacting real time With the job seeker With a doWnloaded chat client.

[0008] Another aspect of the present invention is a system for enabling real time interaction for recruitment betWeen a job seeker and a job provider via an internet based employment portal, via a computer netWork, comprising: a ?rst data receiving component, adapted to receive computer readable data, representing information pertaining to a job, is provided by a job provider via said computer netWork; the data receiving component, adapted to receive computer readable data, representing information pertaining to a job seeker is provided by the job seeker via said computer netWork, the information in part comprised of an enabled chat functionality a ?rst checked off check box as Well as a second checked off check box to enable job seeker access to a feedback of job related statistics; a chat client doWnloaded by the job seeker to a computer as Well as a mobile device; the data receiving component, adapted to receive computer readable data, representing information pertaining to a request from the job provider for a chat session With the job seeker; and an activated chat client at a second computing device enabling real time interaction betWeen the job provider and the jobseeker.

[0009] Another aspect of the same invention is computer implemented method for advertising a job posting on an employment portal hosted by an employment portal server the method comprising: a job provider posting a job on the employment portal hosted by the employment portal server; registered job seekers creating a landing pages on the employment portal; and the job provider advertising the job posting on landing pages of matching registered job seekers.

Number of Claims : 4

Patent Status : Published Application

How much this invention is related with your IDP/UDP? : < 70 %

Do you have any idea to do anything around the said invention to improve it? :

I just want to suggest provide bid in the advertisement for create revenue.



Patent Search & Analysis Report (PSAR)

Team Id : 12627
Name : PATEL AKASH JADAVBHAI

Part - I : PATENT SEARCH TECHNIQUE USED

Patent Search Database Used : Google Patents
Keywords Used for Search : job portal website patent,patent of documentation for job portal, job portal India
Search String Used : job portal website patent
Number of Results/Hits getting : 906

Part - II : BASIC DATA OF PATENTED INVENTION/BIBLIOGRAPHIC DATA

Category/Field of Invention : job portal
Invention is Related to/Class of Invention : web base job portal
Title of Invention : INTELLIGENT JOB MATCHING SYSTEM AND METHOD INCLUDING PREFERENCE
Patent No. :
Application No. : 11/441,638
Date of Filing/Application : 25/05/2006
Priority Date : -
Publication/Journal Number - (Issue No. of Journal in which Patent is published) :
Publication Date : -
First Filled Country :
Also Published as :

| Country | Patent No |
|---------------|------------|
| United States | 11/441,638 |

Applicant for Patent is : Company



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- INVENTOR DETAIL

| Name of Inventor | Address/City/Country of Inventor |
|------------------|----------------------------------|
| Adam Hyder | United states |
| Changsheng chen | United States |

- APPLICANT/ASSIGNEE DETAIL

| Name of Applicant/Assignee | Address/City/Country of Applicant |
|----------------------------|-----------------------------------|
| Yahoo Inc | Sunnyvale/CA/US |



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Part - III : TECHNICAL PART OF PATENTED INVENTION

Limitation of Prior Technology/Art :

Here various types off job categories so to manage job is difficult.
job criteria is various with the skill and to manage skill specific is complex.
We have a many skill and job categories is create large cost of the project.

Specific Problem Solved/Objective of Invention :

We mange these with using various types of database.
We can create the portion of the job in various part so to manage them was easy.
Large skill manage by the database source or vendor.

Brief about Invention :

We mange these with using various types of database.
We can create the portion of the job in various part so to manage them was easy.
Large skill manage by the database source or vendor.
We can manage job seeker and employer and make communication batter.

Key Learning Points :

We mange these with using various types of database.
We can create the portion of the job in various part so to manage them was easy.
Large skill manage by the database source or vendor.
We can manage job seeker and employer and make communication batter.

Summary of Invention :

We mange these with using various types of database.
We can create the portion of the job in various part so to manage them was easy.
Large skill manage by the database source or vendor.
We can manage job seeker and employer and make communication batter.

Number of Claims : 19

Patent Status : Published Application

How much this invention is related with your IDP/UDP? : > 91 %

Do you have any idea to do anything around the said invention to improve it? :

Here this patent is very specific so that it will manage things very effectively.
Here it manage job with exceptionally well and i think here i could not find bug or error so i think it's perfect.



Patent Search & Analysis Report (PSAR)

Team Id : 12627
Name : PATEL AKASH JADAVBHAI

Part - I : PATENT SEARCH TECHNIQUE USED

Patent Search Database Used : Google Patents
Keywords Used for Search : job portal website patent,job portal India,patent of documentation for job portal
Search String Used : job portal website patent
Number of Results/Hits getting : 906

Part - II : BASIC DATA OF PATENTED INVENTION/BIBLIOGRAPHIC DATA

Category/Field of Invention : job portal
Invention is Related to/Class of Invention : web based job portal
Title of Invention : METHOD FORA JOB SEEKER LANDING PAGE
Patent No. :
Application No. : 13/859,232
Date of Filing/Application : 09/04/2013
Priority Date : -
Publication/Journal Number - (Issue No. of Journal in which Patent is published) :
Publication Date : -
First Filed Country :
Also Published as :

| Country | Patent No |
|---------------|------------|
| United States | 13/859,232 |

Applicant for Patent is : Individual



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- INVENTOR DETAIL

| Name of Inventor | Address/City/Country of Inventor |
|---------------------------|----------------------------------|
| Christophe de Rassenfosse | Belgium |

- APPLICANT/ASSIGNEE DETAIL

| Name of Applicant/Assignee | Address/City/Country of Applicant |
|----------------------------|-----------------------------------|
| STEPSTONE GMBH | DEutschland (Germany) |



Part - III : TECHNICAL PART OF PATENTED INVENTION

Limitation of Prior Technology/Art :

with the traditional invention relates to the listing advertisement is not possible it is a major drawback when company claim for revenue.

There is no solution for list out and to manage web advertisement and also track the user data so new system provide this facility.

Specific Problem Solved/Objective of Invention :

The present invention relates to the listing advertisement.

There is a solution for list out and to manage web advertisement and also track the user data so new system provide this facility.

Brief about Invention :

Advertising using traditional media, such as television, radio, newspapers and magazines, is well known. Unfortunately, even when armed with demographic studies and entirely reasonable assumptions about the typical audience of various media outlets, advertisers recognize that much of their ad budget is simply wasted. Moreover, it is very difficult to identify and eliminate such waste. Recently, advertising over more interactive media has become popular. For example, as the number of people using the Internet has exploded, advertisers have come to appreciate media and services offered over the Internet as a powerful way to advertise. Some websites provide an information search functionality that is based on query keywords entered by the user seeking information. This user query can be used as an indicator of the type of information of interest to the user. By comparing the user query to a list of keywords specified by an advertiser, it is possible to provide some form of targeted advertisements to these search service users. Query keyword targeting has been used by search engines to deliver relevant ads. For example, the Ad Words advertising system by Google®, delivers ads targeted to keywords from search queries.

Current internet technologies for listing career opportunities or open job positions include, at least, listing available positions on a company's own website and/or listing the job for a fee on websites that specialize in posting job listings (i.e., job boards), such as StepStone®, Monster®, CareerBuilder®, HotJobs®, etc., or posting on other sites. Potential candidates frequently use search engines (such as Google® or Yahoo!®) to perform job related searches. Indeed, thousands of searches are performed daily to locate jobs. Companies (and job boards) are competing for candidate traffic from these major search engines to drive candidates to their posted jobs. Whether posted on their own corporate website or on a website that specializes in posting job listings for a fee, companies competing for candidate traffic to their career websites can use a "Pay per click" (PPC)



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advertising option.

PPC (also called "cost per click") is an Internet advertising model used to direct traffic to Websites, Where advertisers pay the publisher (typically a Website owner). When the ad is clicked. With search engines, advertisers typically bid on keyWord phrases relevant to their target market. This is called a campaign. Using pay-per-click advertising, a company pays for ads for their job links to be displayed at the top of a search engine results page. The company further pays for each user that clicks on each advertisement. Websites that utilize PPC ads will display an advertisement when a key Word query matches an advertiser's keyWord list, or when a content site displays relevant content. Such advertisements are called sponsored links or sponsored ads, and appear adjacent to or above organic results on search engine results pages, or anywhere a Web developer chooses on a content site. For each campaign it is important to target users as closely as possible.

Common used terms in internet marketing are the clickthrough and conversion rate. The clickthrough rate of an advertisement is defined as the number of clicks on an ad divided by the number of times the ad is shown (impressions), expressed as a percentage. The conversion rate is the ratio of visitors who convert casual content views or Website visits into desired actions, which might include making an online purchase, submitting a form to request additional information or applying for a job.

In general, ads on content networks have a much lower click-through rate (CTR) and conversion rate (CR) than ads found on search engine results pages (SERPs) and consequently are less highly valued. Content network properties can include Websites, newsletters and e-mails.

A problem with links on SERPs leading to landing pages of a job site is that these landing pages show non relevant and/or bad matching results related to the search query that was typed out at the search site. It is in the interest of the job seeker to quickly find useful and relevant job listings. For the owner of the landing page, a high CTR and high CR is important for the landing page to be displayed at the top of a search engine results.

Document US 2009/0063468 A1 discloses a method which involves establishing base information, and creating a job site. A category page is created on the site, and a keyWord is created. The keyWord is associated with the category page, and the base information is associated with the category page, where a characteristic of the category page remains static regardless of the base information. The base information associated with the category page is optimized. An apply button is provided on a job listing page. The apply button is linked to an application page on a client site. However, the invention from US 2009/0063468 A1 does not provide a means to list up-to-date jobs. This way,



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recently created job listings are not available yet and cannot be provided at the landing page, from the moment they are added on the system database. When recent added job listings are not shown on the landing page, eventual higher conversion or click rates are lost and thereby also the profit.

Also, the invention from US 2009/0063468A1 does not provide a means to list popular jobs, i.e. the jobs that are clicked the most by the job seekers. Again, displaying popular (or more interesting) job listings on the landing page, increases conversion or click rates. The chance that job seekers apply for a job increases and hereby profit is gained.

The aim of the present invention is to provide a solution to overcome at least part of the above mentioned disadvantages. The invention thereto aims to provide that job listings are taken from an updated database of job listings as described in claim 1. In particular, the invention provides that the landing page can be updated to show the newest or most popular job listings and this every time the landing page is refreshed.

Key Learning Points :

The present invention relates to the listing advertisement.

There is a solution for listing out and to manage web advertisement and also track the user data so new system provide this facility.

Summary of Invention :

The present invention provides in one embodiment, a computer implemented method for advertising job listings on an employment portal hosted by an employment portal server. The method comprises the creation of a URL based on a domain name and country of the creator of the landing page and preferably dependent on a set of predefined keywords. The method further comprises the creation of a landing page preferably comprising metadata related to said set of keywords, said landing page comprising at least one method for displaying at least one set of job listings. The method further comprises that said set of job listings is preferably renewable and preferably said set of job listings is renewed each time said landing page is refreshed, thereby providing at least one up-to-date set of job listings.

The methods of the present invention have several advantages. In particular, the invention provides that the landing page can be updated to show the newest or most popular job listings and this every time the landing page is refreshed. This provides the job seeker up-to-date information on finding a job.

While multiple embodiments are disclosed, still other embodiments of the present invention will become apparent to those skilled in the art from the following detailed description, which shows and describes illustrative embodiments of the invention. As will be realized, the invention is capable of modifications in various obvious aspects, all without departing from the spirit and scope of the present invention. Accordingly, the drawings and detailed description are



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to be regarded as illustrative in nature and not restrictive.

Number of Claims : 15

Patent Status : Published Application

How much this invention is related with your IDP/UDP? : Other

Do you have any idea to do anything around the said invention to improve it? :

I'm using this area according to my space and i have used a static marquee for web advertisement and for security proposed i didn't use the session track mechanism.

Listing job adv. is very affecting when we work on large project .