



Naukari 1

Software Engineering (Lovely Professional University)

Case Study
On
NAUKRI.COM

BACHELOR OF TECHNOLOGY
in
COMPUTER SCIENCE AND ENGINEERING

By

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DECLARATION STATEMENT

I hereby declare that the case study entitled "NAUKRI.COM" submitted at Lovely Professional University, Phagwara, Punjab is an authentic work and has not been submitted elsewhere.

I understand that the work presented here with is in direct compliance with Lovely Professional University's Policy on plagiarism, intellectual property rights, and highest standards of moral and ethical conduct. Therefore, to the best of my knowledge, the content of this case study represents authentic and honest effort conducted, in its entirety, by me. I am fully responsible for the contents of my case study report.

Signature of Candidate

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The Case, its rational and scope

Naukri.com is an online job portal started by Mr. Sanjeev Bikhchandani in March 1997. The Company has its headquarter in Noida with employee strength of approximately 5000, operating through 56 offices in 42 cities across India and overseas. He quits a lucrative management job at HMM (now Glaxo Smithkline) to start off his own venture. The company first started providing salary review reports. These reports consisted of data from various categories of professions like engineering and management. Further these reports were sold to various companies as per their requirement. Now the company is a fully fledged online recruitment portal and it receives around 3,569,343 unique visitors and 28,554,744 page views per day hailing a Google page rank of 6 out of 10.

Idea of Naukri.com

While Mr. Sanjeev was employed with HMM, he worked in an office premises which was not as luxurious as we have in our present working environment. He used to sit in a hall with his peers and what he noticed is that whenever a Business India magazine comes to his office all were busy in reading it from start to end. In the magazine, there were appointment ads which everyone was keen to know and discuss about, but no one was ready to switch it because everyone was satisfied with the perks and Compensation Company was offering. So, by the conversation surrounded by him, he noticed that “Even if you are not looking for a job, you look for a job. You are constantly looking for a new benchmark and checking if you are missing out on anything” and he also found that not all the vacancies are published in those magazines, some were hidden and those opportunities can only come to you when any headhunter used to call to the selected candidate.

By this entire day to day scenario he analyzed the market and figured out that whatever job opportunities are published they are just the tip of the iceberg. He understood the market potential that was below the surface, highly fragmented and scattered between HR departments and consultant. He came to the conclusion after all market research that this can be a powerful product and one can make good amount of money. So not just he kept his idea on a piece of paper, but also implemented it and you can see where it stands today.

Journey and Growth of Naukri.com

The company began as a bootstrapped start-up when the Internet was in its infancy. Soon after its launch in April 1997, Naukri.com's revenue in the first year was INR 2.35 lacs, having received their first cheque after 6 months of starting the business, simply because they never asked for money earlier. Then in October 1997, they sent out a letter to 3,000 companies about Naukri.com

and its services. Soon, from INR 2.35 lacs, next year when sales rose to INR 18 lacs, Sanjeev realized the huge potential of the business. It obtained some venture capital funding in the year 2000 and has been earning profits since 2002-03.

From an initial beginning as a job listing web page to a full-fledged online recruitment company that has a database of more than 2.5 million resumes, more than 1,500 corporate clients, and projected revenue of INR 400 million. Naukri.com is now a company which has all the potential to grow and compete with other companies in the same domain. Naukri.com earns \$ 28,555 per day and estimated its value as \$ 30,839,400. Naukri is an INR 300 billion brand now and clearly 70% of our revenues and 120% of profit come from Naukri.

List of Acronyms / Abbreviations

1. **Admin** - The authorized person who controls all the network.
2. **Employer/Company** - Who creates vacancies.
3. **Job Seekers** - The person who sell applies for job.

CHAPTER 1: SRS DOCUMENT

1.1 INTRODUCTION:-

In the current scenario, there is a rat race in each and every professional field. It is also true for job market. A job portal is a website dedicated for online information about recruiters as well as job seekers. A job portal helps both the job seekers and recruiters finding the right organization for the employees. The Naukri.com is one such job portal in India which has more than thousands of job listings covering various sections and job profiles. In the case of job seekers, according to their educational qualification, experience and their preferences, it shows the list of companies to the job seeker. And, to the recruiters, provides the suitable candidates from a pool of lacks. Hence, NAUKRI.COM is a perfect online arena, where both the job seekers and the employers find their goal in the pursuit of getting a top notch company for the suitable candidates.

1.2 About project:-

NAUKRI.COM is a web application built in PHP. It provides the candidates, ability to register, search for jobs, and manage their accounts. Each candidate will have an account with their own home page. On the other hand, Employers those are willing to publish the jobs for their company to candidates, can register to the portal and get their own account created and can post jobs to portal's database. Registered Employers can add or remove jobs and these jobs can be seen by various candidates and they can contact the concerned person for the job. Main aim of this portal is to make a user friendly platform where, applicant can search jobs easily and is accessible to everyone who are interested. The Purpose is to provide a Job portal for Job Seekers, to submit their CV and apply for job, where Employer can select best Employees from available candidate profile.

1.3 Modules:-

The main users in the project can be categorized into three modules as follow:

1. Admin
2. Employer
3. Job Seeker

1.4 Definitions, Acronyms and Abbreviations:-

1. Admin - The authorized person who controls all the network.
2. Employer/Company - Who creates vacancies.
3. Job Seekers - The person who sell applies for job.

1.5 REQUIREMENTS ANALYSIS:-

1.5.1 Functional Requirements

Admin:-

Performance

- The performance is best observed above 40 kbps. It is recommended that if the website is to be operated, then minimum of 40kbps speed is needed.
- Also, if user is bugging it bug very proper way it will be convenient to user

Constraints

- Wrong password can be Entered limited times after that user will not be able to log in for next few minutes.

Safety Requirements

- Login and sign up must be authenticated for the pre-existing users
- Data of every user should maintain.

Any bugs should be done in sessions

Software Quality Attributes

- Availability
- Videos
- Achievements
- Customers Review

Maintainability

- Database for Record
- In case of failure, re-initialization of the program will be done.
- Maintenance of website

Reliability

- The system provides storage of all databases on redundant computers with automatic switchover.
- The reliability of overall program depends on the reliability of the separate components

Employer/Company:-

Home

- Input: "home" option
- Output: user is shown with all his/her bug details

Choose work status

- Input: current working status
- Output: enters the status of work.

Experienced

- Input: enter your experience
- Output: saves your experience details.

Education level

- Input: enter your education level.
- Output: saves your education details.

Preferences

- Input: Enter your job preferences
- Output: saves details and helps you to find the related jobs.

Skills

- Input: Enter your skills what you are specialised at.
- Output: saves your skills.

File a bug

- Input: "user preferences"
- Output: it will display the which type of preferences user can use

Search

- Input: Enter the required job details
- Output: Displays the jobs for us.

Complete your profile

- Input: Enter all details which belongs to you
- Output: Successfully updated your profile.

Setup job alerts

- Input: Enter job what we required
- Output: Alerts when it finds for us.

View dashboard

- It shows the instructions for the user.

Code of contact

- Input: code of contact
- Output: it will display the details of the site contact info

Privacy and policy

- Input: privacy and policy
- Output: it will display the all the information of policy and privacy

Browse

- Input: user use it to browse
- Output: it will show all the browse jobs

Job seekers:-

Signing In

- Input: “My Account” option
 - Output: User is required to give his/her email id.
-
- Input: email
 - Output: User is required to confirm the account and create the password.
 - Processing: email provided should be valid and if valid then an Confirmation is sent on that email id.
-
- Input: confirm and “create password” option.
 - Output: user is now required to enter his/her password for the account.
 - Processing: checks whether the OTP entered is valid and entered within the time limit.
-
- Input: Password twice.
 - Output: user is prompted to enter Name, email.
 - Processing: checks whether the entered passwords match or not.
-
- Input: Name, Email and password.
 - Output: User is redirected to his/her main page.
-
- Maintenance of website

Reliability

- The system provides storage of all databases on redundant computers with automatic switchover.
- The reliability of overall program depends on the reliability of the separate components

1.5.2 Non-functional requirements

- Secure access of confidential data (user's details).
- 24 X 7 availability.
- Better component design to get better performance at peak time.
- Flexible servicebased architecture will be highly desirable for future extension.

1.5.3 Hardware requirements

Server Side Requirement

- Processor 2.0GHz
- RAM 2 GB
- Hard Disk 8 GB (free space)

Client Side Requirement

- Processor 1.0GHz
- RAM 1GB
- Hard Disk 2 GB (free space)

1.5.4 Software requirements

Server Side Requirement

- Operating System Window Server 2003 or Any Compatible Operating System
- Web Server IIS6.0
- Runtime Environment. NET framework 4.0
- Back –End Tool Microsoft SQL Server 2008

Client Side Requirement

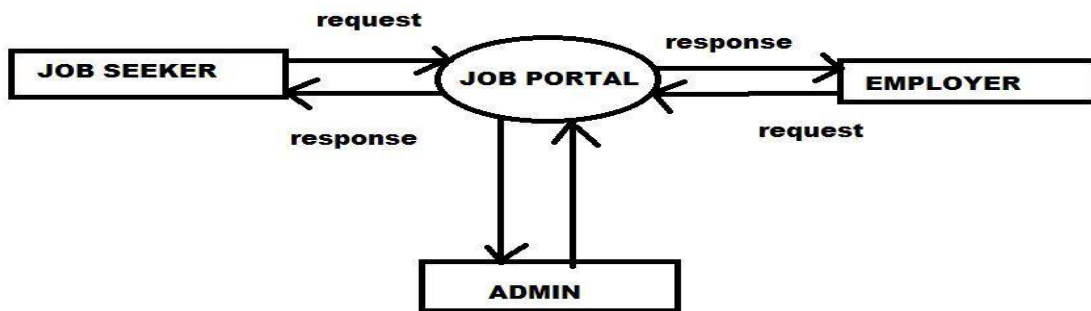
- Operating System Window XP or Any Compatible Operating System
Web Browser Internet Explorer 6.0 or Any Compatible Browser

CHAPTER 2: SOFTWARE DESIGN DESCRIPTION

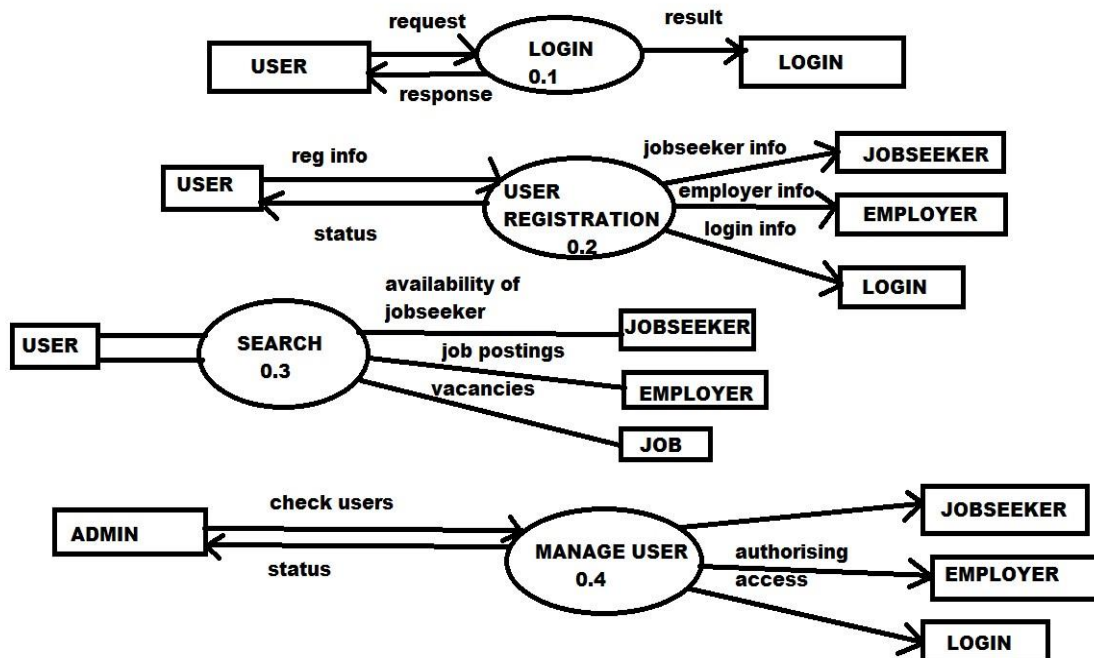
Systems design is the process or art of defining the architecture, components, modules, interfaces, and data for a system to satisfy specified requirements. Object-oriented analysis and design (OOAD) methods are being used for computer system design. The UML has become the standard language used in Object-oriented analysis and design. It is widely used for modeling software systems and is increasingly used for high designing non-software systems and organizations.

DFD (Data Flow Diagram):-

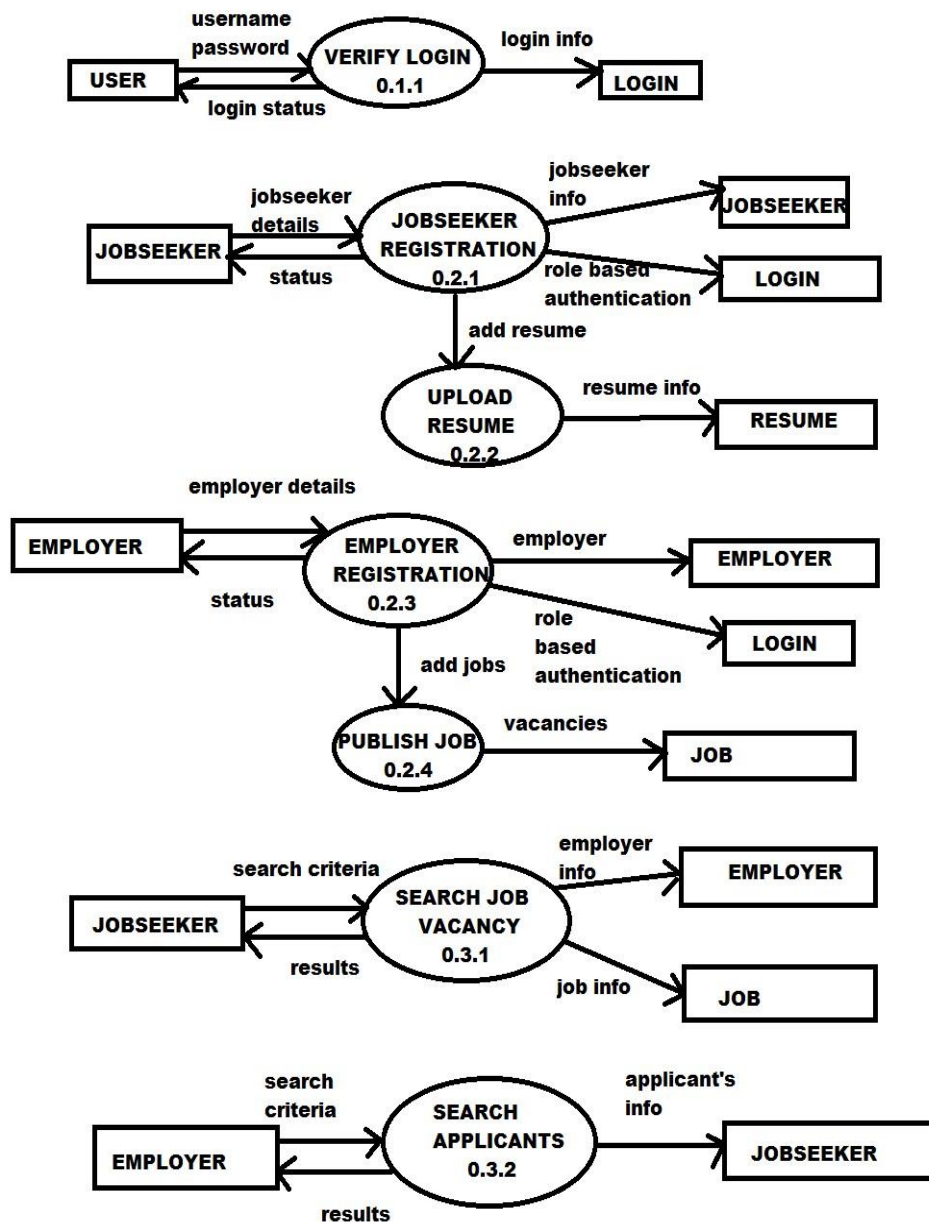
LEVEL 0



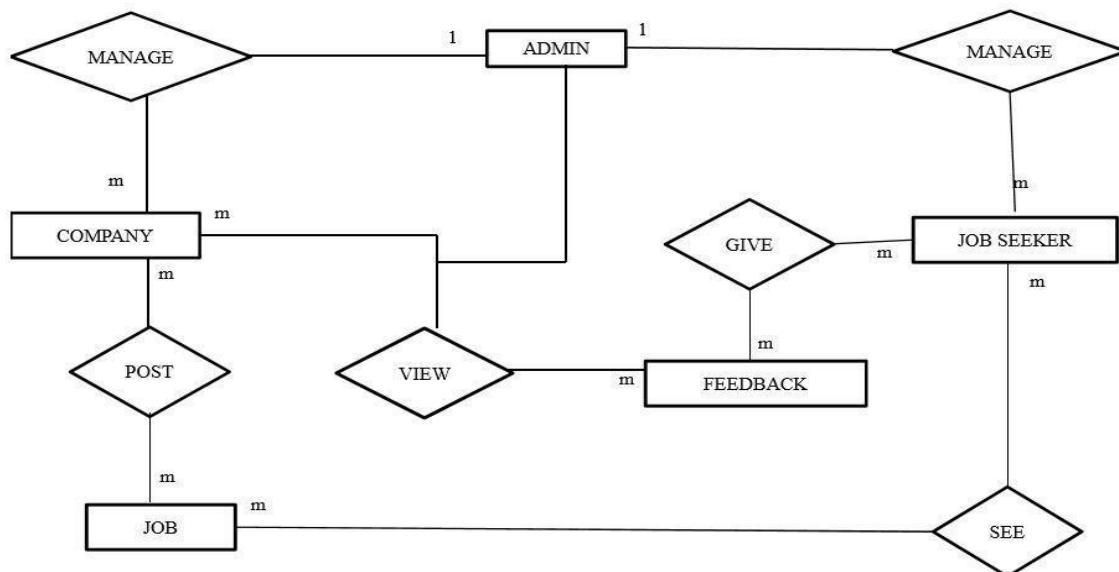
LEVEL 1



LEVEL 2



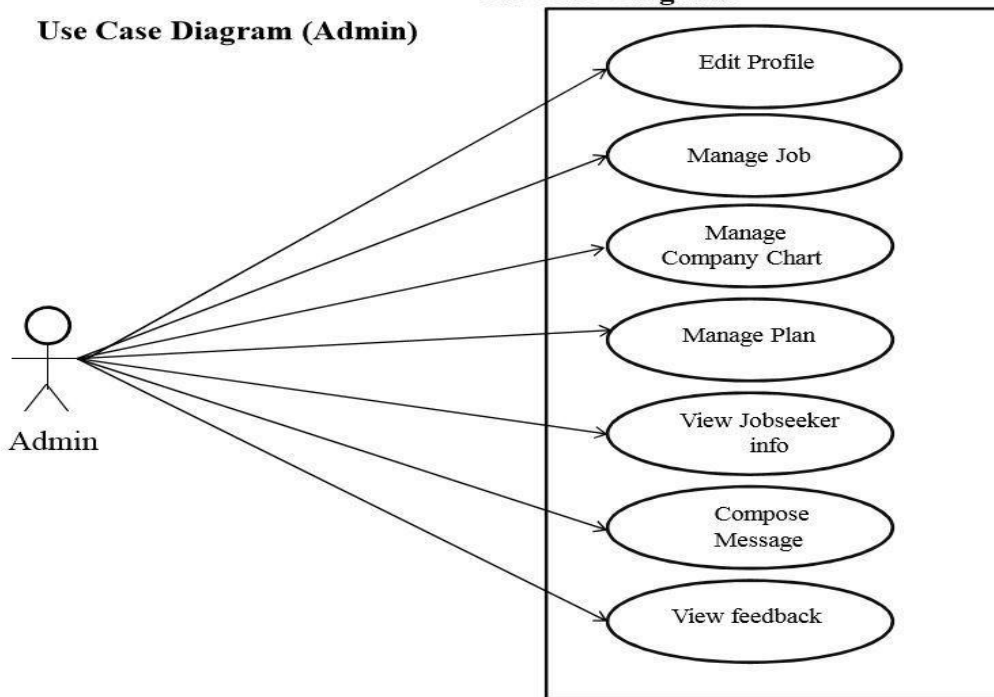
ER Diagram



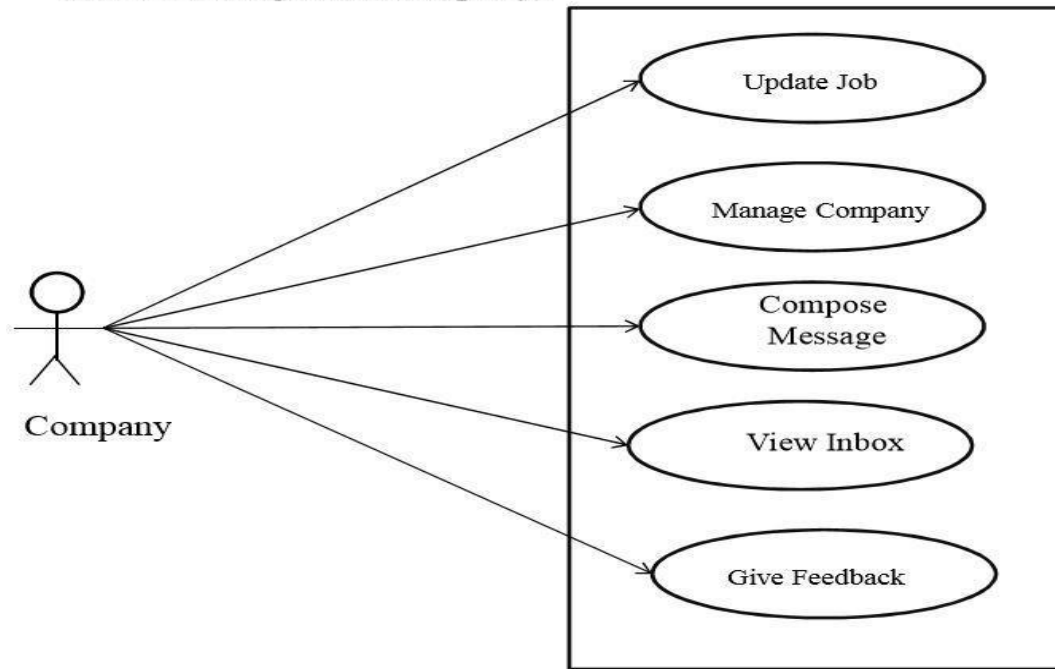
UML Diagram

Use Case Diagram

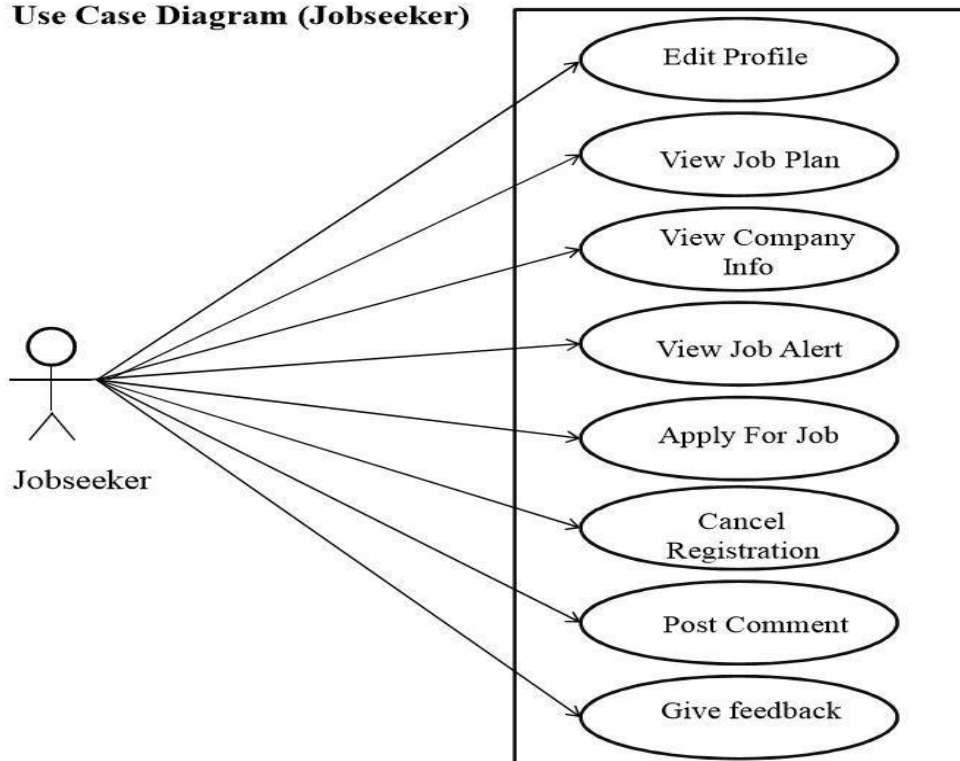
Use Case Diagram (Admin)



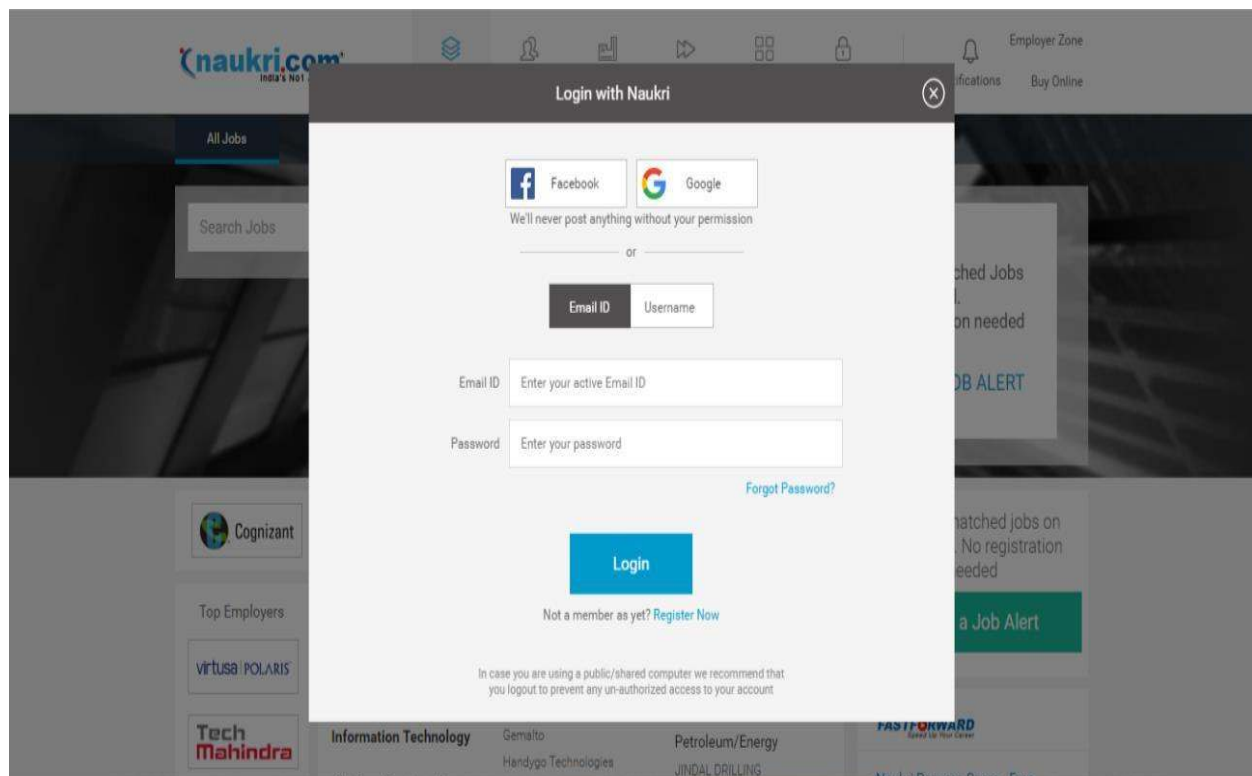
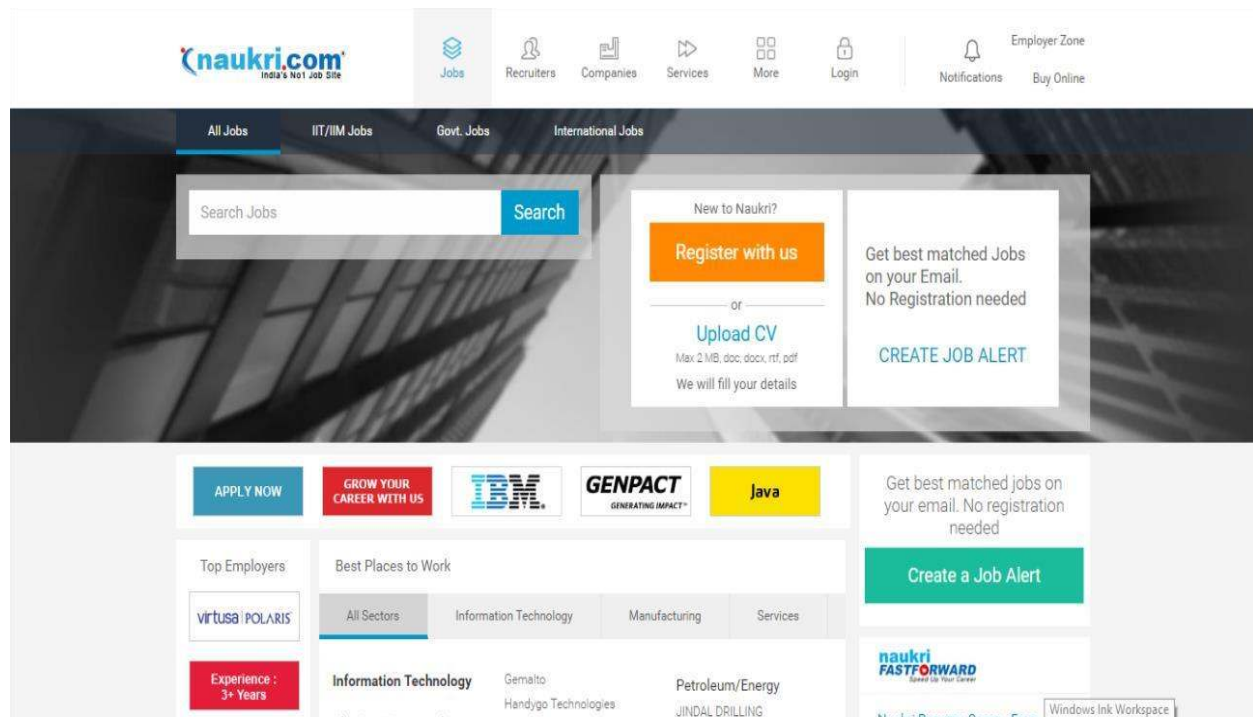
Use Case Diagram (Company)



Use Case Diagram (Jobseeker)



User Interface



CHAPTER 2: MANUAL TESTCASES

CASE ID	TEST CASE	TEST CONDITION	EXCEPTED OUTPUT	ACTUAL OUTPUT	PASS/FAIL
1.	VALIDATION TEST CASE	REQUIRED FIELD VALIDATION	MANDATORY FIELD SHOULD NOT BE BLANK	YOU HAVE TO ENTER VALUE IN MANDATORY FIELD	PASS
		REGULAR EXPRESSION	A PREDEFINED FORMAT SHOULD BE FOLLOWED	CHECK PROPER FORMAT	PASS
		COMPARE VALIDATION	CHECK WITH PREDEFINE CONTROL	COMPARE WITH CONTROL	PASS
2.	REGISTRATION	E-MAIL	EMAIL FORMAT MUST BE INPUT	EMAIL FORMAT MUST BE INPUT	PASS
		CONFIRMATION PASSWORD	PASSWORD AND CONFIRM PASSWORD MATCH	PASSWORD AND CONFIRM PASSWORD MATCH	PASS
		TEXT FIELD	ALL INFORMATION MUST BE INPUT	ALL INFORMATION MUST BE INPUT	PASS
		PIN CODE	PIN CODE MUST BE 6 DIGITS	PIN CODE MUST BE 6 DIGITS	PASS
		MOBILE NO.	MUST BE A DIGIT	MUST BE A DIGIT	PASS
3.	LOGIN	NON-REGISTERED USER	THE SYSTEM WILL NOT ALLOW NON-REGISTERED USER TO LOGIN	NON-REGISTERED USER CANNOT LOGIN	FAIL
		WRONG USERNAME AND PASSWORD	THE SYSTEM DISPLAYS AN ERROR MESSAGE, PREVENTS FROM LOGIN	THE SYSTEM DISPLAYS AN ERROR MESSAGE "INVALID USERNAME OR PASSWORD", PREVENTS FROM LOGIN	FAIL
		ENTER CORRECT USER NAME AND PASSWORD	THE SYSTEM UPDATES SESSION VARIABLES AND REDIRECT TO HOME PAGE	THE SYSTEM DISPLAYS HOME PAGE FOR USER/ADMIN	PASS
4.	PAYMENT PAGE	COMPULSARY FIELD DATA ENTRY	ENTER DATA IN A COMPULSARY FIELD WITH REQUIRED FIELD VALIDATIONS	DATA MUST BE FIELD IN COMPULSARY FIELD OTHERWISE IT DISPLAY MESSAGES	PASS
		PIN NO.	PIN CODE MUST BE 16 DIGITS	PIN CODE MUST BE 16 DIGITS	PASS
5.	CHANGE PASSWORD	CHANGE PASSWORD	IF USER WANTS TO CHANGE PASSWORD, PASSWORD WILL CHANGE	THE SYSTEM UPDATE PASSWORD AFTER VERIFIED OLD PASSWORD	PASS

REFERENCES

1. Google.com
2. Wikipedia – A free encyclopedia.
3. Naukri.com
4. Scribd.com
5. Google Images