

# **WORKLORD**

PROJECT REPORT

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the APJ Abdul Kalam Technological University in partial fulfillment of the requirements  
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of

*Master of Computer Applications*



**Department of Management Studies Computer Applications**

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## DECLARATION

I undersigned here by declare that the project report “**WORKLORD**”, submitted for partial fulfillment of the requirements for the award of degree of Master of Computer Applications of the APJ Abdul Kalam Technological University, Kerala is a bonafide work done by me under supervision of Mr. Ajayakumar K K. This submission represents my ideas in my own words and where ideas or words of others have been included, I have adequately and accurately cited and referenced the original sources. I also declare that I have adhered to ethics of academic honesty and integrity and have not misrepresented or fabricated any data or idea or fact or source in my submission. I understand that any violation of the above will be a cause for disciplinary action by the institute and/or the University and can also evoke penal action from the sources which have thus not been properly cited or from whom proper permission has not been obtained. This report has not been previously formed the basis for the award of any degree.

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### **CERTIFICATE**

This is to certify that the report entitled WORKLORD submitted by MOHAMMED ALTHAF T (LKMC18MCA026), ANJUSHA BJ (KMC18MCA002) to the APJ Abdul Kalam Technological University in partial fulfillment of the requirements for the award of the Degree of Master of Computer Applications is a bonafide record of the project work carried out by him under our guidance and supervision. This report in any form has not been submitted to any other University or Institute for any purpose.

Internal Supervisor

Project Coordinator

External Evaluator

HEAD OF THE DEPT

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## **ABSTRACT**

Technology has changed the way job seekers search for jobs and employers find qualified employees. While employers still advertise job openings through traditional advertising mediums, today employers and job seekers turn to online job portals to find employment matches. Job seekers can advertise their skills and search for available positions and employers can announce employment openings through job portals.

The proposed system "WORK LORD" is a web based application to give the job seekers a platform for finding right and satisfactory job according to their qualification and skills. It also connect the job seekers with the major companies. This application is mainly focused on the applicants, who are seeking jobs in CS (Computer Science) field. Job seekers can register themselves with resume at the website where as the employers register in the website and put job vacancies at their company. Employers can also browse through the posted resumes and user performance. The system provides jobs catalogue and information to members. The Admin and employers can keep the catalogue updated all the time so that the job seekers get the updated information all the time.

There are many job portals that claims to provide you the best job, but none of them address the issues faced by the job seekers. They face issues because of work experience, because Companies give more priority for experienced job seekers. And they are not calculating the skill level of the job seekers. In this project we provide the Job Seeker to express their skills by completing the tests provided by admin which helps employer to understand their skills in their fields easily. Also they will be getting tasks to complete for measuring their performance. Most scored/skilled persons will be highlighted top and gets faster job opportunities such as preferred employer, preferred technology should be there. Calculating skills will be a great option for freshers to seek jobs. The issues faced by freshers can solved by implementing these features in the web application. The priority based opportunities can be avoided by this. In our project we will be focusing on changing such attitude towards freshers.

# Chapter 1

## INTRODUCTION

The quality of people hired for a specific job is usually the key issue when measuring the effectiveness of the employment. However, in certain circumstances the speed of hiring is also an issue and also contribute to quality hiring. The rationale of a hiring process is to stretch out to potential employees and bring out the specific kind of required skills and experiences in the field organization. Online job portal system is fundamental in removal of paper works and introduction of workflow systems that connect job seekers and employers. At a very low cost, the internet offers employers and job searchers access to detailed and up-to-date information about job vacancies in different locations around the world.

WORKLORD project is aimed at developing a job portal friendly for non-experienced and experienced job seekers. The system project is an online web application which can be accessed from anywhere only with a proper login verification. Job seekers should be able to login and upload their resume and update their contact details. There are many job portals that claims to provide you the best job, but none of them address the real issues faced by the non-experienced job seekers. Companies give higher priority for experienced job seekers. They failes calculate the skill level of the job seekers.

In this project we insist the Job Seeker to complete specific tests provided by the admin which helps employer to understand job seeker's skills and performance in their fields. Also they will be getting tasks to express their performance and efficiency. Most scored/skilled persons will be getting more priorities, Options such as top scored candidate, preferred employer, preferred technology should be there. Calculating skills will be a great option for freshers to seek jobs. The issues faced by the new job seekers to find a perfect job with their skills is difficult. In our project we will try to change such attitude from companies towards freshers. This system gives the company to search for the best candidate available on the fields.

# Chapter 2

## LITERATURE SURVEY

### 2.0.1 Job Procurement

Old and New Ways Job seeking usually involves different ways to look for jobs such as through personal contacts, direct telephone calls to employers, job agency office, scanning online job listings etc. Before the Internet, became widely uses as a method of seeking jobs, jobseekers spent a lot of time using various methods to look for job openings. Today, jobseekers use online methods which are very convenient and save a lot of time. Eleanna Galanaki lists the following methods to be the traditional (old) ways for recruitment:

- Employment recruitment agencies
- Job fairs
- Advertising in the mass media such as newspapers
- Advertisement in television and radio
- Management Consultants
- Existing employee contacts
- Schools colleges or universities students services department
- Workers or professional referrals

These old job seeking methods are too slow, stressful, challenging and also lack quality. In addition, the applicants have to consider the cost and the amount of time to get the information they need, and other preparations they have to make. Finding all available job vacancies is a main step at in the job-seeking process. The Internet is now a powerful tool that jobseekers can use. Today, there are many sites that advertise job positions to be filled by people with certain skills in various fields. The Internet plays an important role in the area of human resource planning and development. Most organizations are now using computer technology and the Internet for staff recruitment. Although the Internet has facilitated the process of job-seeking, it has not replaced the traditional methods, completely.

## **2.0.2 Importance of Job Portals**

In the age of technology, the Internet has become the main source of information for jobseekers. Large corporations, institutions, and universities include information on career prospects on their websites. According to a survey, 70% of the workforce uses websites or portals on the Internet to search for jobs in France. These websites or portals provide a search engine to access information on job opportunities. The most employers are keen to use online recruitment methods of getting staff. It mentions that the online recruitment methods have the ability to identify the best applicants. That is the reason why more developed countries such as Malaysia have started to use online job portal as one of the important way to recruit people to fill job vacancies. A study done in 2006, found that 21% of internet users in the EU used the web to search for jobs or to send job applications. In 2007, this had increased to 67% for unemployed people.

## **2.0.3 Features of Job Portals**

One of the ways to improve employment mobility is to provide online job offer services. Online job portals can help jobseekers as they contain all required information about available vacancies in a single point. Such portals enhance efficiency in job recruitment as applicants can match their qualifications and skills to the requirements of employers. Generally, searching for jobs on the internet involves a process of information collecting because the job seeker gathers information contained in the job portals, during the search. A good job portal shares information and experiences with its members/users. This save time and efforts and better decisions can be made. Job openings requirements can be matched to an applicant's qualification and skills. In this way, job portals return not only the precise matches but also return the most similar match. The members of the European Commission (EC) stated that online job portals should have quite similar characteristics that include an online searchable database of positions for job searcher, facilities to send CVs to the website, email alerts of jobs which match the users profile, extra instruction, for example, about working in foreign countries or career guidance, the capability to manage job applications, employers must have the ability to publish and manage job positions, search the CV database, and have online contact with potential jobseekers.

## **2.0.4 References**

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# Chapter 3

## SYSTEM ANALYSIS

### 3.1 Existing system

The traditional hiring of employees starts with the processing of application forms, describe the job for each position, verify application forms and lastly evaluate the best person for the job. The whole process from advertisement to hiring a quality applicant takes a lot of time, effort and also has more weakness. The advertisement itself is costly especially when done through print media. therefore, the publication of the job adverts will only last for a very short time and in that case few people will have seen the job vacancy. Thus, the traditional recruitment process is not be the best in today's competitive job market.

The question here is how this could be made efficient and possible. This question or problem solved by an online job portal system which is set to transform the way in which companies and other employers recruit their employees. The Job seeker Functions concentrates on the consistent information that is practically, part of the organizational activities and which needs proper authentication for the data collection. The users can perform some tasks without registering or without entering into the application. He can search for the jobs in the site. He can view the information which is available for the job seekers. Also view the walk-in details. The job seeker can perform some tasks only after entering into the application. In any situation the job seeker needs to change his password then he can change on his own. He can view the details of his own profile and he can modify his details in his profile. The employer can view his own profile and they can also post new job vacancies and they can view the candidates resumes applied for jobs. The admin functions concentrates on maintain the functionality of site. Proper management of complete job seeker section and employer section is his responsibility.



## 3.2 Proposed system

The proposed system "WORKLORD" is a web based application is to give the job seekers a platform for finding right and satisfactory job according to their qualification and skills. It also connect the job seekers with the major companies. Job Portal is a platform that joins recruiters and the job seekers to complete their goals and requirements. Recruiters look for a right candidate who has the right qualification to handle the responsibilities efficiently. On the other hand, job seekers want a job where they can apply their skills and knowledge to grow their professional career. Most of the jobseekers who're actively seeking new employment opportunities are believed to be registered on multiple job portals. Finding a job opportunity per your choice and qualification through a job portal is relatively easier. There are many job portals that claims to provide you the best job, but none of them address the issues faced by the new job seekers. Most of portals give higher priority for experienced job seekers.

Job portals requires features like profile management, view notifications and other filtering options to match with the company with their skills. The users can perform some tasks without registering like he can search for the job vacancies, walk-in details which available in the notifications section. The job seeker can perform some tasks only after registration. After registering he can attend for tests and complete tasks. He can also view and modify his profile and also he can change his password. The employer can view their profile and they can post new job vacancies. They can also view the candidates resumes applied for jobs. The admin functions concentrates on maintaining the functionality of site. Proper management of complete job seeker section and employer section is his responsibility. He also provides tasks and updates test datas. Users analytics shows you a compiled listing of all users and the time they have spent using their Skills. Users analytics is one of the more important analytics sets when they are trying to calculate skills relating to an individual. We can check into a particular individual's performance and see how they are performing. Many companies prefer employees with good experiences and reputation in their previous job rather than freshers. This causes issues with finding jobs for freshers with right skills. In this project we will be trying to change such attitude towards freshers. This system facilitate the company to search for the best candidate available and employ them as employers to improve efficiency on the employment sector.

## **3.3 Module Description**

### **3.3.1 User**

- Search for Job Posts
- Apply Online for Job Posts
- Attend Exams in the website
- Complete Tasks
- Update Profile and Resume
- Send Reply to Applied Job's Company
- View Application's Status
- View Scores in Exams and Task

### **3.3.2 Company**

- Add Job Posts
- Review Applications
- Download Applicant's Resume
- Contact Applicant
- View Messages from User
- View Exams and Task Scores

### **3.3.3 Admin**

- Manage Active Jobs
- Manage Users
- Manage Companies
- Add Exams and Update Questions
- Add Tasks
- Review Task
- View Task/Exam Scores

## **3.4 Feasibility Study**

### **3.4.1 Operational Feasibility**

This Project is beneficial to people who wants to meet the qualifications of theirs and company's requirements. There's not much difficulty in, implementing the proposed system, It is so more effective, user friendly and functionally reliable to everyone. WORK-LORD job portal is beneficial for every new job seekers, They can access this web portal from any where. This website can be accessed from any devices like laptop or smartphone with internet connection. Any of the user with good internet connection can register the website and complete tests and wait for right company to pick them up, users can make use of this portal by completing tasks which improves their skills.

### **3.4.2 Technical Feasibility**

Technical Feasibility study deals with the hardware as well as software requirements. We have to determine whether the project done with the current technology has been examined in the feasibility study. The proposed system requires software like gedit and web server solution application called Xampp both are available for free. The website can also be easily upgraded to the higher level with less effort and maintenance. This website can be easily accessed with user's smartphone from anywhere with internet connection and portal is very much user friendly. Hence the Proposed system is technically feasible.

### **3.4.3 Economic Feasibility**

Economic feasibility determines whether the proposed system is capable of generating profit for an organization. It involves cost incurred on the development team, estimated cost of hardware and cost of performing feasibility study and so on, this website was developed with the available resources. Since cost of input for the system is almost zero. The output of the website is always a profit for the user and we see this as a service. This website doesn't cost any charge from the job seeker who is accessing it. Since the website can be accessed from any device with internet connection there is no need for a specific hardware. Hence it is economically feasible.

## **3.5 System Environment**

- Back-end : PHP,MYSQL(Database)
- Front-end : Javascript,Bootstrap,Html,CSS

### **3.5.1 Minimum Requirements (User)**

- Computer/Laptop/Mobile
- Any OS with Updated Browser
- Stable Internet Access

### **3.5.2 Minimum Requirements (Developer)**

- Processor : Intel Pentium/Celeron or newer
- Memory : 2 GB RAM
- Storage : 20 GB HDD/SSD (Recommended)
- Operating System : Linux
- Text Editor : Gedit
- Web server solution : Xampp
- Browser : Chrome
- Other Utils : Git
- Stable Internet Access

## **3.6 Actor and Their Roles**

### **3.6.1 User**

- Register
- Login
- Attend Tests
- Complete Task
- Edit User details
- Apply for Jobs
- Reply Messages from Company
- View Scores

### **3.6.2 Company**

- Register
- Login
- Edit Company details
- View qualified users
- Add Job Posts
- Review Job Applications
- Download Resumes
- Send Messages to Applicants

### **3.6.3 Admin**

- Login
- View/Edit Users
- Approve Companies
- View/Edit Jobs
- Add Exams and Update Questions
- Add New Tasks
- Review Tasks

# **Chapter 4**

## **METHODOLOGY**

### **4.1 Introduction**

This project follows Agile methodology. Agile software development comprises various approaches to software development under which requirements and solutions evolve through the collaborative effort of self organizing and cross-sectional teams and their customers/end users. It advocates adaptive planning, evolutionary development, early delivery and continuous improvement and it encourage rapid and flexible response to change.

## 4.2 UML Diagrams

### 4.2.1 Activity Diagram

- USER

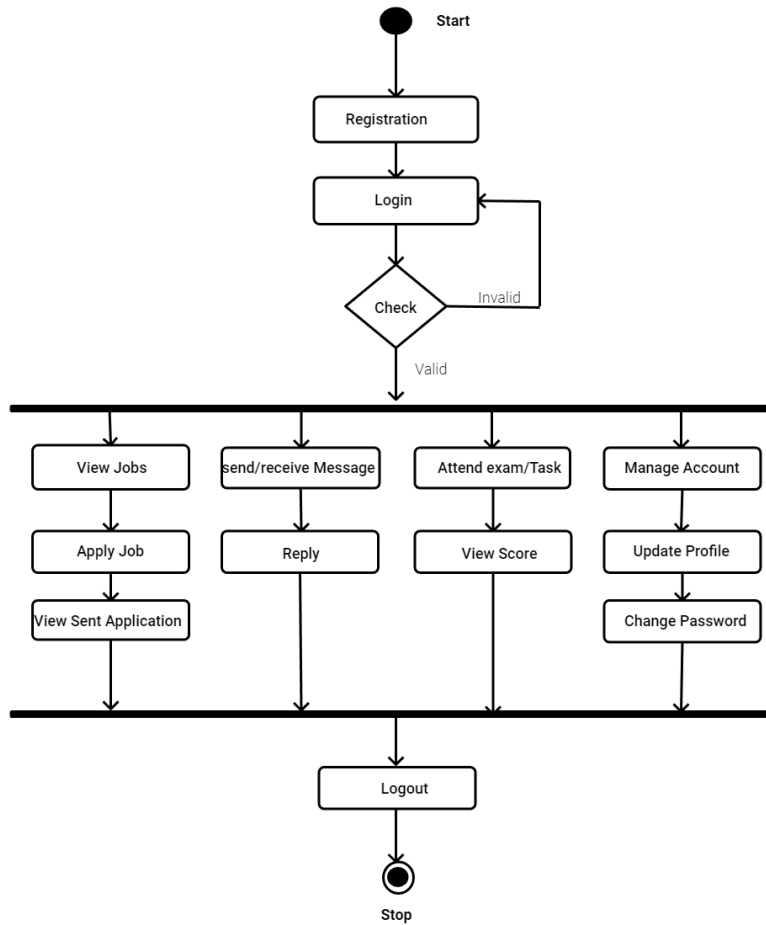


Figure 4.1: User's Activity Diagram

## - COMPANY

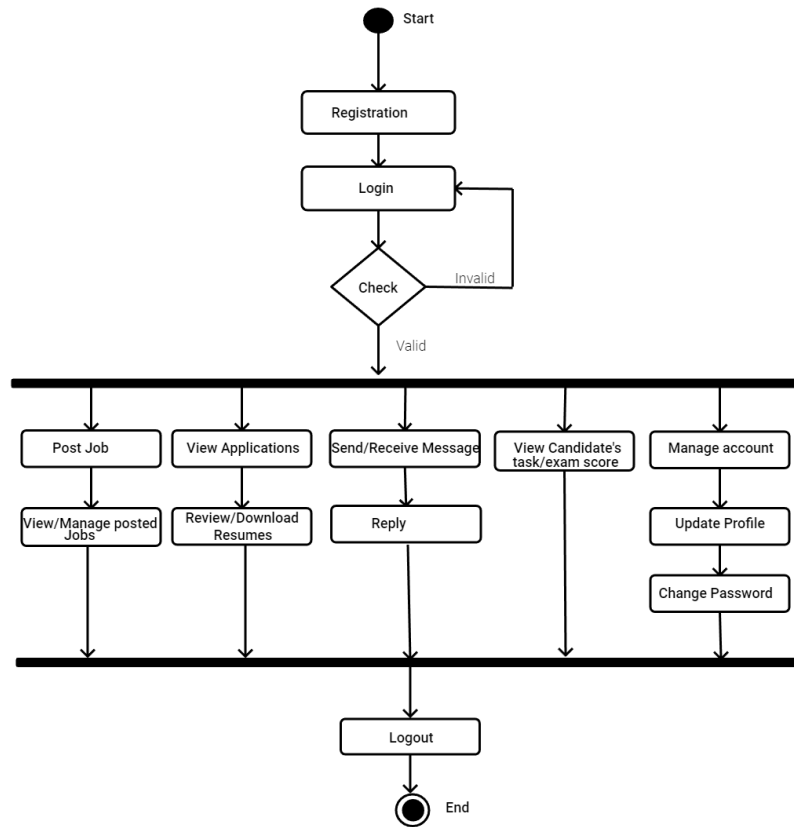


Figure 4.2: Company's Activity Diagram



**- ADMIN**

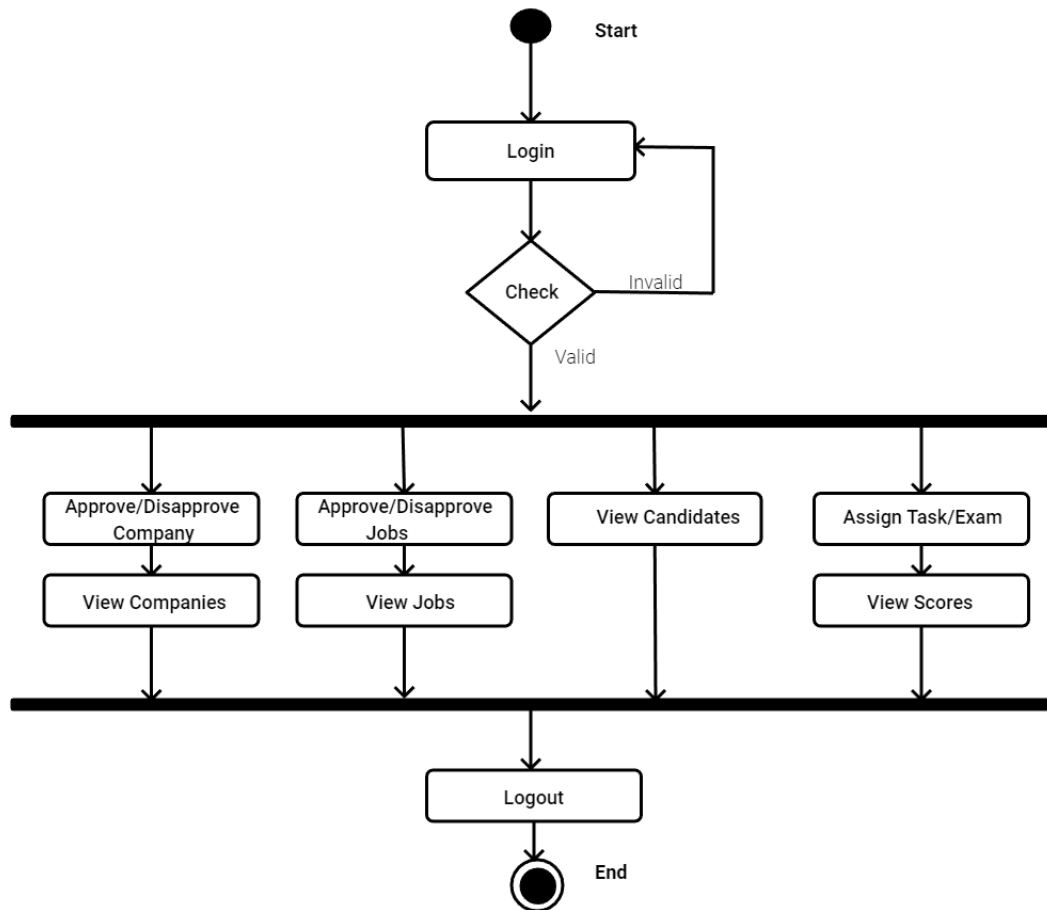


Figure 4.3: Admin's Activity Diagram

## 4.2.2 UseCase Diagrams

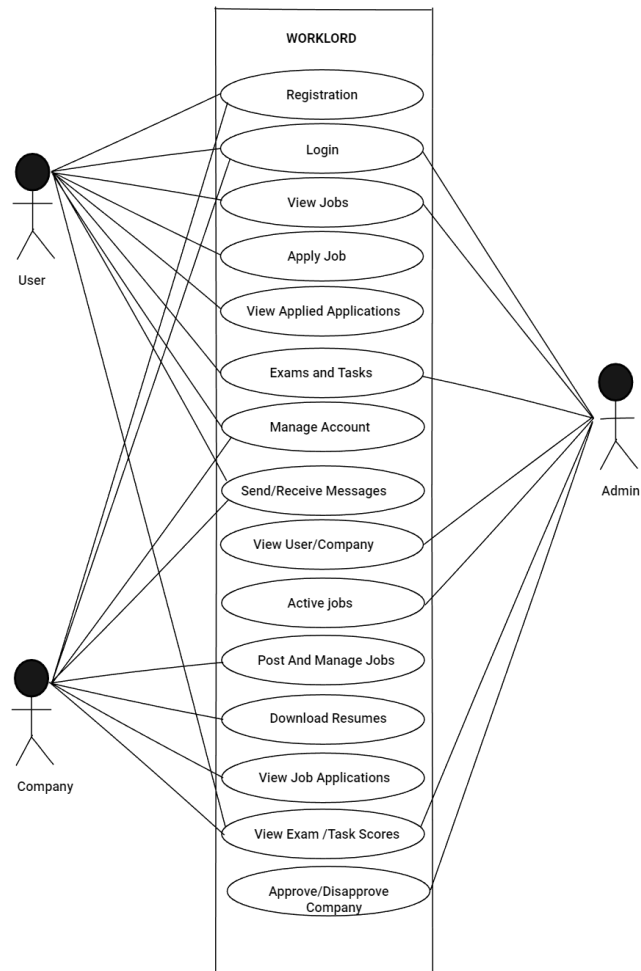


Figure 4.4: UseCase Diagram

### 4.3 User Story

User story ID	As a <Type of Users>	I want to <Perform some task>	So that I can <Achieve some goal >
1	Admin/User/Company	Home Page	Go to other activities
2	Admin/User/Company	Login	Access the system
3	User/Company	Registration	Access the system
4	Admin	Approve/Disapprove company	Manage companies
5	Admin	View companies	View companies
6	Company	Post jobs	Add Job vaccancies
7	Admin	Delete Jobs	Manage jobs
8	Admin/User	View jobs	View jobs
9	Company	View posted jobs	Manage posted jobs
10	Admin	View candidates	View candidates
11	User	Apply job	Apply for job
12	User	View applications	View applied jobs
13	Company	View applications	View job applications
14	Company	Download resumes	Download applied candidates resumes
15	Admin	Create exams	Create exams
16	Admin	Assign tasks	Assign tasks
17	User	Attend exam	Attend exam
18	User	Attend task	Attend task
19	Admin/User/Company	View exam or task scores	Understand knowledge or skills of candidates
20	User/Company	Send and Receive Messages	Send/Receive Messages
21	User/Company	Manage account	Update Profile
22	User/Company	Manage account	Change Password

Figure 4.5: User Story

## 4.4 Product Backlog

USER STORY ID	PRIORITY (LOW,HIGH, MEDIUM)	SIZE	SPRINT	STATUS (PLANNED, PRO-GRESSED, COM-PLETED)	RELEASE DATE	RELEASE GOAL
1	HIGH	8	1	Planned	15-09-2020	Login to the system
2	HIGH	7		Planned	17-09-2020	Access the system
3	HIGH	8		Planned	20-09-2020	Access the account
4	HIGH	8		Planned	24-09-2020	Manage companies
5	MEDIUM	5		Planned	27-09-2020	View companies
6	HIGH	7	2	Planned	30-09-2020	Add job vacancies
7	HIGH	6		Planned	03-10-2020	Manage jobs
8	MEDIUM	6		Planned	06-10-2020	View jobs
9	HIGH	10		Planned	09-10-2020	Manage posted jobs
10	MEDIUM	6		Planned	11-10-2020	View Candidates
11	HIGH	9	3	Planned	15-10-2020	Apply for job
12	MEDIUM	6		Planned	16-10-2020	View applied jobs
13	HIGH	6		Planned	17-10-2020	View job applications
14	MEDIUM	6		Planned	19-10-2020	Download applied candidates resumes
15	HIGH	10		Planned	23-10-2020	Create exams

<b>USER STORY ID</b>	<b>PRIORITY (LOW,HIGH, MEDIUM)</b>	<b>SIZE</b>	<b>SPRINT</b>	<b>STATUS (PLANNED, PRO-GRESSED, COM-PLETED)</b>	<b>RELEASE DATE</b>	<b>RELEASE GOAL</b>
16	MEDIUM	7	3	Planned	26-10-2020	Assign task
17	HIGH	8	4	Planned	31-10-2020	Attend exam
18	HIGH	8		Planned	01-11-2020	Attend task
19	MEDIUM	7		Planned	02-11-2020	Understand knowledge or skills of candidates
20	MEDIUM	6		Planned	05-11-2020	Send/Receive Messages
21	MEDIUM	7		Planned	07-11-2020	Update profile
22	MEDIUM	7		Planned	08-11-2020	Change pass-word

Figure 4.6: Product Backlog

## 4.5 Project Plan

USER STORY ID	TASK NAME	START DATE	END DATE	DAYS	STATUS ( TO BE FILLED BY SCRUM MASTER )
1	SPRINT 1	14-09-2020	15-09-2020	2	
2		16-09-2020	17-09-2020	2	
3		18-09-2020	20-09-2020	3	
4		21-09-2020	24-09-2020	4	
5		25-09-2020	27-09-2020	3	
6	SPRINT 2	29-09-2020	30-09-2020	2	
7		01-10-2020	03-10-2020	3	
8		04-10-2020	06-10-2020	3	
9		07-10-2020	09-10-2020	3	
10		10-10-2020	11-10-2020	2	
11	SPRINT 3	13-10-2020	15-10-2020	3	
12		16-10-2020	16-10-2020	1	
13		17-10-2020	17-10-2020	1	
14		18-10-2020	19-10-2020	2	
15		20-10-2020	23-10-2020	4	
16	SPRINT 4	24-10-2020	26-10-2020	3	
17		28-10-2020	31-10-2020	4	
18		01-11-2020	01-11-2020	1	
19		02-11-2020	02-11-2020	1	
20		03-11-2020	04-11-2020	2	
21		05-11-2020	06-11-2020	2	
22		07-07-2020	08-07-2020	2	

Figure 4.7: Project Plan

## 4.6 Sprint Backlog Planned

### 4.6.1 Sprint 1

Backlog items	Completion date	Original Estimated hours	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8	Day 9	Day 10	Day 11	Day 12	Day 13	Day 14
			14/9/2020	15/09/2020	16/09/2020	17/09/2020	18/09/2020	19/09/2020	20/09/2020	21/09/2020	22/09/2020	23/09/2020	24/09/2020	25/09/2020	26/09/2020	27/09/2020
User Story 1			Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours
Form Design	15-09-2020	4	2	2												
Table Creation	15-09-2020	3	1	2												
Coding	15-09-2020	2		2												
Testing	15-09-2020	1		1												
User Story 2																
Form Design	16-09-2020	3			3											
Table Creation	17-09-2020	4			2	2										
Coding	17-09-2020	2			1	1										
Testing	17-09-2020	1				1										
User Story 3																
Form Design	19-09-2020	5					3	2								
Table Creation	20-09-2020	4					2	1	1							
Coding	20-09-2020	3					1	2								
Testing	20-09-2020	1							1							
User Story 4																
Form Design	23-09-2020	6								3	3					
Table Creation	22-09-2020	3								2	1					
Coding	24-09-2020	3									2		1			
Testing	24-09-2020	1											1			
User Story 5																
Form Design	26-09-2020	4												2	2	
Table Creation	27-09-2020	2													1	1
Coding	27-09-2020	2												1		1
Testing	27-09-2020	1														1

Figure 4.8: Login

## 4.7 Database Design

### 4.7.1 Admin Table

This Table stores login details of Admins

No.	FIELD NAME	TYPE	CONSTRAINTS	DESCRIPTION
1	adminid	INT(11)	PRIMARY KEY	Admin's ID
2	username	VARCHAR(50)	UNIQUE	Admin's Username
3	password	VARCHAR(50)	NOTNULL	Admin's Password
4	email	VARCHAR(20)	UNIQUE	Admin's Email

Table 4.1: Admin Table

### 4.7.2 Company Table

This Table stores Login and Company details

No.	FIELD NAME	TYPE	CONSTRAINTS	DESCRIPTION
1	companyid	INT(11)	PRIMARY KEY	Company ID
2	companyname	VARCHAR(50)	NOTNULL	Company Name
3	email	VARCHAR(20)	UNIQUE	Company Email
4	password	VARCHAR(20)	NOTNULL	Company Password
5	country	VARCHAR(50)	NOTNULL	Company Country
6	city	VARCHAR(50)	NOTNULL	Company City
7	state	VARCHAR(10)	NOTNULL	Company State
8	contactno	VARCHAR(50)	NOTNULL	Company Phone Number
9	website	VARCHAR(50)	NOTNULL	Company Website
10	aboutme	VARCHAR(100)	NOTNULL	About Company
11	logo	VARCHAR(100)	NOTNULL	Company Logo Name

Table 4.2: Company Table



### 4.7.3 User Table

This Table stores Login details and User details

No.	FIELD NAME	TYPE	CONSTRAINTS	DESCRIPTION
1	userid	INT(11)	PRIMARY KEY	User's ID
2	firstname	VARCHAR(50)	NOTNULL	User's Firstname
3	lastname	VARCHAR(50)	NOTNULL	User's Lastname
4	email	VARCHAR(20)	UNIQUE	User's Email
5	password	VARCHAR(20)	NOTNULL	User's Password
6	address	VARCHAR(50)	NOTNULL	User's Address
7	city	VARCHAR(50)	NOTNULL	User's City
8	state	VARCHAR(10)	NOTNULL	User's State
9	contactno	VARCHAR(50)	NOTNULL	User's Phone Number
10	qualifications	VARCHAR(50)	NOTNULL	User's Qualifications
11	stream	VARCHAR(20)	NOTNULL	User's Course
12	passingyear	VARCHAR(10)	NOTNULL	User's Year Of Passing
13	dob	DATE	NOTNULL	User's Date Of Birth
14	age	VARCHAR(50)	NOTNULL	User's Age
15	designation	VARCHAR(50)	NOTNULL	User's Preferred Designation
16	aboutme	VARCHAR(100)	NOTNULL	About User
17	skills	VARCHAR(50)	NOTNULL	User's Skills
18	resume	VARCHAR(100)	NOTNULL	User's Resume Name

Table 4.3: User Table

#### 4.7.4 Job Post Table

This Table stores Job Posts provided by the Companies

No.	FIELD NAME	TYPE	CONSTRAINTS	DESCRIPTION
1	postid	INT(11)	PRIMARY KEY	Post ID
2	companyid	INT(11)	FOREIGN KEY	Company ID
3	jobtitle	VARCHAR(20)	NOTNULL	Job Title
4	description	VARCHAR(20)	NOTNULL	About Job
5	minimumsalary	VARCHAR(50)	NOTNULL	Minimum Salary
6	maximumsalary	VARCHAR(50)	NOTNULL	Maximum Salary
7	experience	VARCHAR(10)	NOTNULL	Experience State
8	qualifications	VARCHAR(50)	NOTNULL	Job Qualifications

Table 4.4: Job Post Table

#### 4.7.5 Job Apply Table

This Table stores Applied User's details and status of Application

No.	FIELD NAME	TYPE	CONSTRAINTS	DESCRIPTION
1	applyid	INT(11)	PRIMARY KEY	Job Application Apply ID
2	jobpostid	INT(11)	NOTNULL	Job Post ID
4	userid	INT(11)	NOTNULL	User's ID
5	status	INT(11)	NOTNULL	Application Status

Table 4.5: Job Apply Table

#### 4.7.6 Exams Table

This Table stores Exam details

No.	FIELD NAME	TYPE	CONSTRAINTS	DESCRIPTION
1	examid	INT(11)	PRIMARY KEY	Exam ID
2	category	VARCHAR(50)	NOTNULL	Exam Category
3	examname	VARCHAR(50)	NOTNULL	Exam Name
4	date	DATE	NOTNULL	Exam Date
5	passmark	INT(10)	NOTNULL	Exam Passmark
6	duration	TIME	NOTNULL	Exam Duration
7	terms	VARCHAR(50)	NOTNULL	Exam Terms

Table 4.6: Exams Table

#### 4.7.7 Exam Questions Table

This Table stores Questions for each Exams

No.	FIELD NAME	TYPE	CONSTRAINTS	DESCRIPTION
1	questionid	INT(11)	PRIMARY KEY	Question ID
2	examid	VARCHAR(50)	FOREIGN KEY	Exam ID
3	category	VARCHAR(50)	NOTNULL	Question Category
4	question	LONGTEXT	NOTNULL	Question
5	option1	VARCHAR(50)	NOTNULL	Question Option 1
6	option2	VARCHAR(50)	NOTNULL	Question Option 2
7	option3	VARCHAR(50)	NOTNULL	Question Option 3
8	option4	VARCHAR(50)	NOTNULL	Question Option 4
9	answer	VARCHAR(50)	NOTNULL	Question Answer

Table 4.7: Exam Questions Table

#### 4.7.8 Exam Score Table

This Table stores Applied User's details and status of Application

No.	FIELD NAME	TYPE	CONSTRAINTS	DESCRIPTION
1	scoreid	INT(11)	PRIMARY KEY	Record ID
2	userid	VARCHAR(50)	FOREIGN KEY	User's ID
3	examname	VARCHAR(20)	UNIQUE	Exam Name
4	score	VARCHAR(50)	NOTNULL	User's Score
5	date	VARCHAR(50)	NOTNULL	Exam Date

Table 4.8: Exam Score Table

#### 4.7.9 Task Table

This Table stores Task Details

No.	FIELD NAME	TYPE	CONSTRAINTS	DESCRIPTION
1	taskid	INT(11)	PRIMARY KEY	Task ID
2	category	VARCHAR(50)	NOTNULL	Task Category
3	taskdetails	LONGTEXT	NOTNULL	Task Details

Table 4.9: Task Table

#### 4.7.10 Task Submit Table

This Table stores Submitted task details, Status and Scores

No.	FIELD NAME	TYPE	CONSTRAINTS	DESCRIPTION
1	taskid	INT(11)	PRIMARY KEY	Task ID
2	userid	INT(11)	FOREIGN KEY	Candidate ID
3	tasksubmitstatus	INT(10)	NOTNULL	Task Submit Status
4	taskreviewstatus	INT(10)	NOTNULL	Task Review Status
5	tasklink	VARCHAR(100)	NOTNULL	Task Github Link
6	taskscore	INT(10)	NOTNULL	Task Status

Table 4.10: Tasks Submit Table

#### 4.7.11 MailBox

This Table stores Mail Send to User/Company

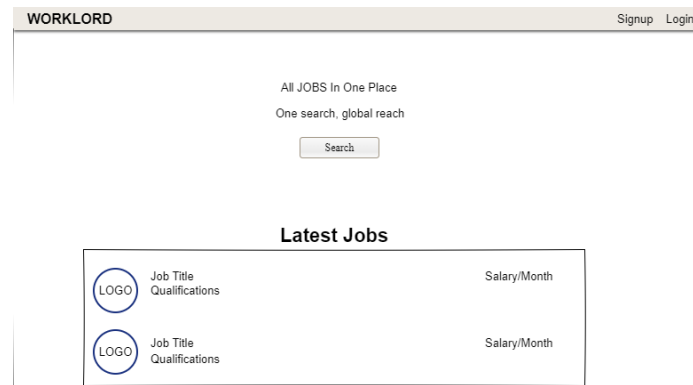
No.	FIELD NAME	TYPE	CONSTRAINTS	DESCRIPTION
1	idmailbox	INT(11)	PRIMARY KEY	Mail ID
2	idfromuser	INT(11)	FOREIGN KEY	ID of user send message
3	fromuser	VARCHAR(10)	NOTNULL	Type of user who send
4	idtouser	INT(10)	NOTNULL	The id of user to be send
5	subject	VARCHAR(100)	NOTNULL	Message subject
6	message	INT(10)	NOTNULL	Message
6	date	DATE	NOTNULL	Date of message creation

Table 4.11: Tasks Submit Table

## 4.8 User Interface Design

### 4.8.1 Homepage

Homepage of Worklord Website



The screenshot shows the homepage of the 'WORKLORD' website. The header bar contains the site name 'WORKLORD' on the left and 'Signup Login' on the right. The main content area features the tagline 'All JOBS In One Place' and 'One search, global reach' above a 'Search' button. Below this is a section titled 'Latest Jobs' which displays two job listings. Each listing includes a circular 'LOGO' placeholder, the job title and qualifications, and the salary/month.

Latest Jobs		
LOGO	Job Title Qualifications	Salary/Month
LOGO	Job Title Qualifications	Salary/Month

Figure 4.9: Homepage

### 4.8.2 Login

Login Page for admin,company and users



The screenshot shows a login window titled 'Login'. It contains two input fields: 'User Name' with the placeholder text 'Enter Your User Name' and 'Password' with the placeholder text 'Enter Your Password'. Below these fields is a 'Login' button.

Login	
User Name	Enter Your User Name
Password	Enter Your Password
Login	

Figure 4.10: Login

### 4.8.3 Job Search

Helps to Search Available Jobs in the website

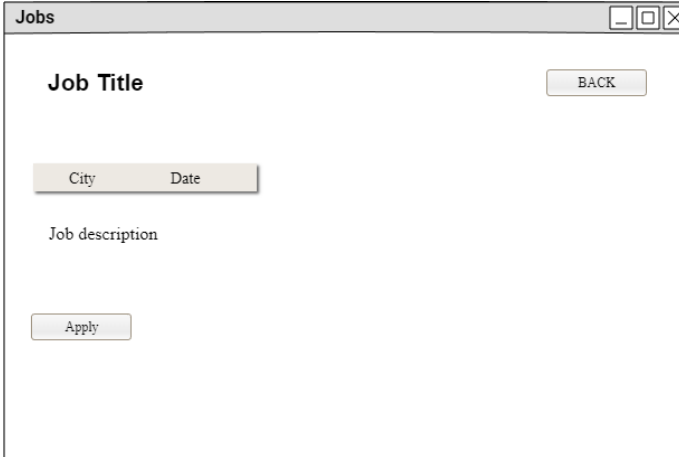


A window titled "Jobs" with a search interface. The window has a title bar with standard minimize, maximize, and close buttons. The main content area is titled "Latest Jobs" in bold. Below the title is a search bar with the placeholder text "Search job" and a "Go!" button to its right.

Figure 4.11: Job Search

### 4.8.4 Jobs

Job Details



A window titled "Jobs" displaying job details. The window has a title bar with standard minimize, maximize, and close buttons. The main content area is titled "Job Title" in bold. To the right of the title is a "BACK" button. Below the title is a table with two columns: "City" and "Date". Below the table is the text "Job description". At the bottom left is an "Apply" button.

Figure 4.12: Jobs

## 4.8.5 Mailbox

View messages from User/Company and Compose messages to User/Company



Figure 4.13: MailBox

## 4.8.6 View Mailbox

View messages from User/Company and Reply to those messages

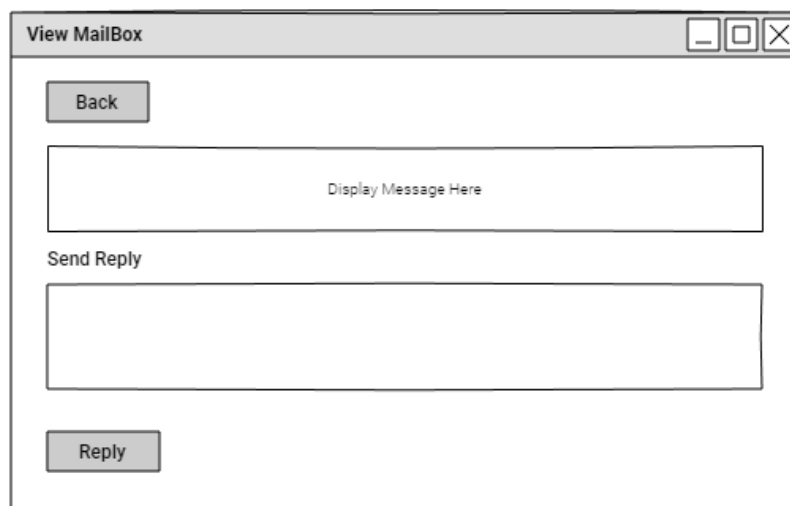
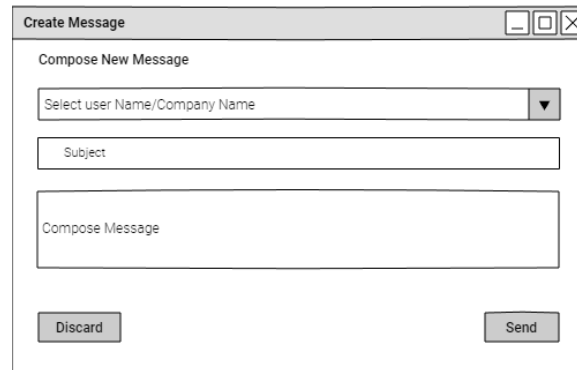


Figure 4.14: View MailBox



### 4.8.7 Compose Message

Compose Messages to User or Company (Shows users Applied for Jobs)

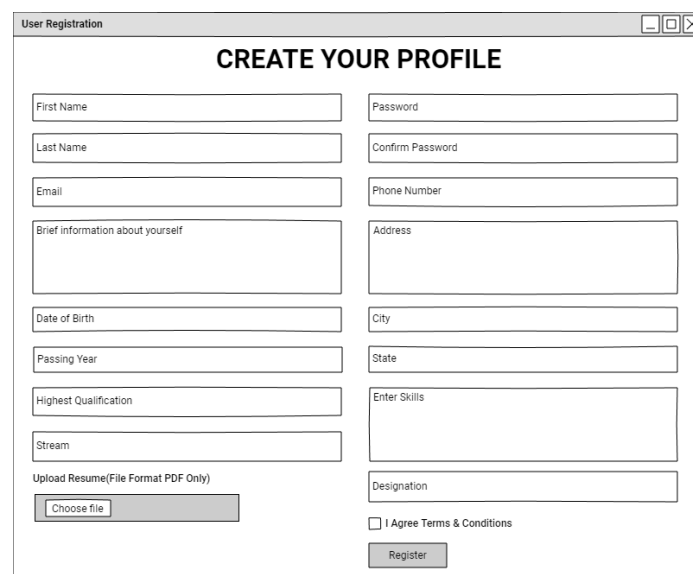


The 'Create Message' dialog box features a title bar with standard window controls. The main area is titled 'Compose New Message' and contains a dropdown menu for 'Select user Name/Company Name', a 'Subject' text field, and a larger 'Compose Message' text area. At the bottom, there are 'Discard' and 'Send' buttons.

Figure 4.15: Compose Message

### 4.8.8 User Registration

Registration form for User



The 'User Registration' form, titled 'CREATE YOUR PROFILE', is a comprehensive registration form. It includes fields for 'First Name', 'Last Name', 'Email', 'Date of Birth', 'Passing Year', 'Highest Qualification', 'Stream', 'Password', 'Confirm Password', 'Phone Number', 'Address', 'City', 'State', 'Enter Skills', and 'Designation'. There is also a section for 'Upload Resume(File Format PDF Only)' with a 'Choose file' button. At the bottom, there is a checkbox for 'I Agree Terms & Conditions' and a 'Register' button.

Figure 4.16: User Registration

## 4.8.9 Dashboard

Dashboard for Users, Shows available functions for user

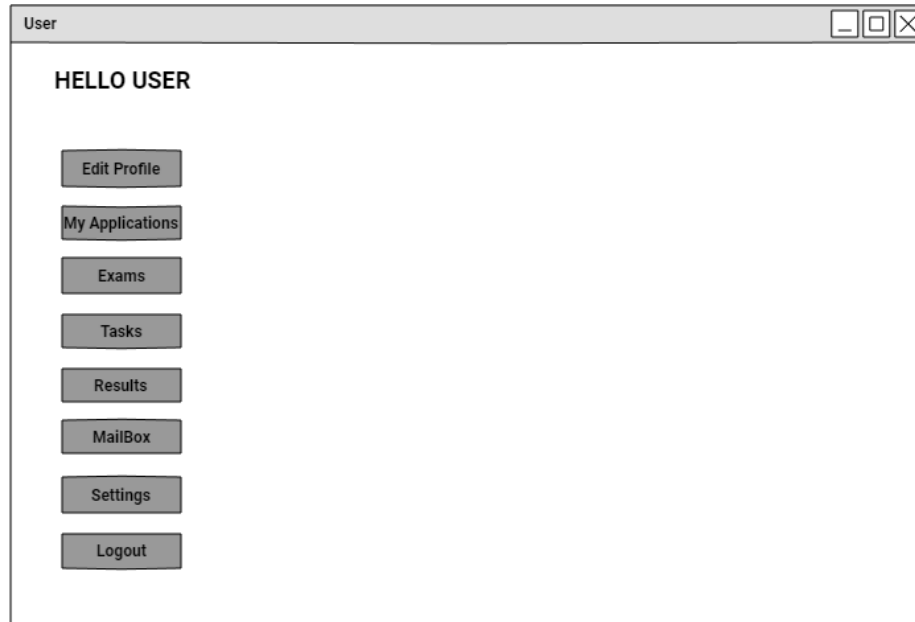


Figure 4.17: Dashboard

## 4.8.10 My Applications

Applied Job's Details and Status

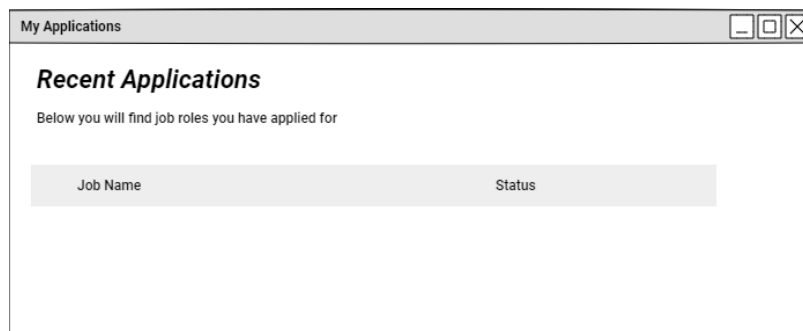
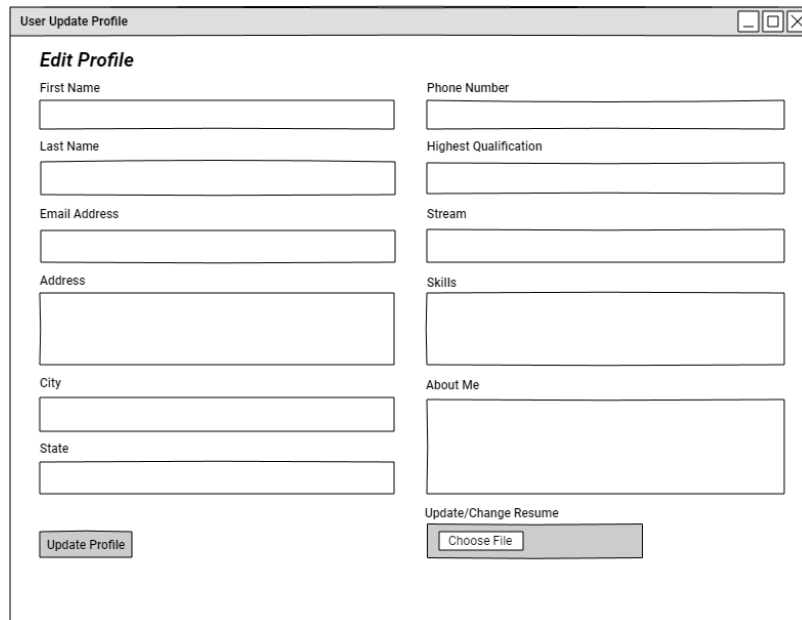


Figure 4.18: My Applications

## 4.8.11 Update Profile

Update User's Details and Resume



The 'User Update Profile' window contains an 'Edit Profile' section with the following fields:

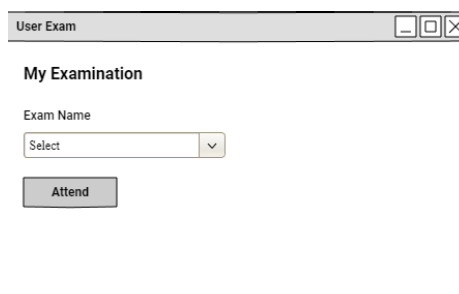
- First Name
- Last Name
- Email Address
- Address
- City
- State
- Phone Number
- Highest Qualification
- Stream
- Skills
- About Me

At the bottom, there is an 'Update Profile' button and an 'Update/Change Resume' section with a 'Choose File' button.

Figure 4.19: Update Profile

## 4.8.12 Exams

Attend Exams and View scores



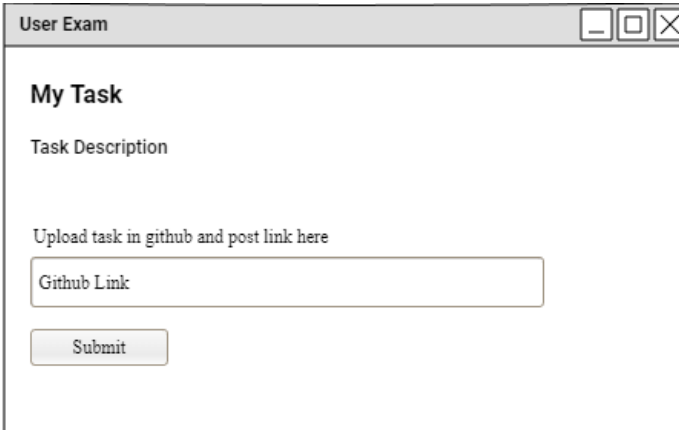
The 'User Exam' window displays a 'My Examination' section with the following elements:

- Exam Name: A dropdown menu with 'Select' as the current value.
- Attend: A button below the dropdown menu.

Figure 4.20: Exams

### 4.8.13 Tasks

Attend Tasks

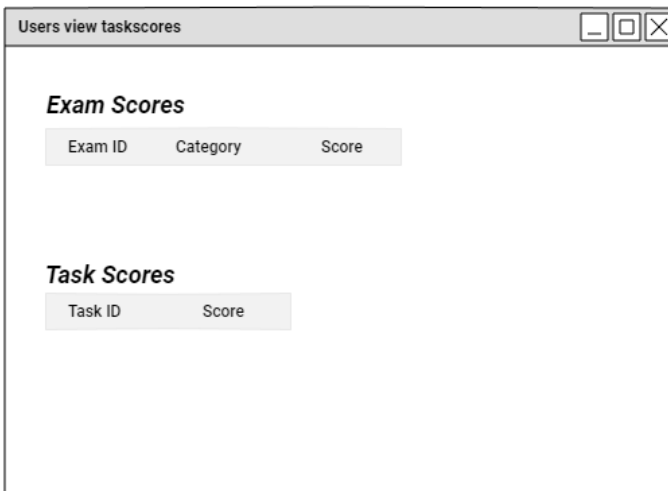


The image shows a window titled "User Exam". Inside, there is a section titled "My Task". Below this, the text "Task Description" is followed by a large text area containing the instruction "Upload task in github and post link here". Below the text area is a text input field labeled "Github Link". At the bottom of the form is a "Submit" button.

Figure 4.21: Tasks

### 4.8.14 Results

View Scores for Task and Exams



The image shows a window titled "Users view taskscores". It contains two sections: "Exam Scores" and "Task Scores". Each section has a table with columns for ID, Category, and Score.

Exam Scores		
Exam ID	Category	Score

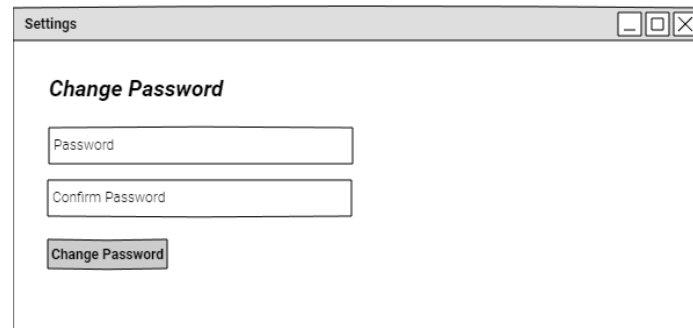
  

Task Scores	
Task ID	Score

Figure 4.22: Results

## 4.8.15 Settings

Change Password or Delete Account

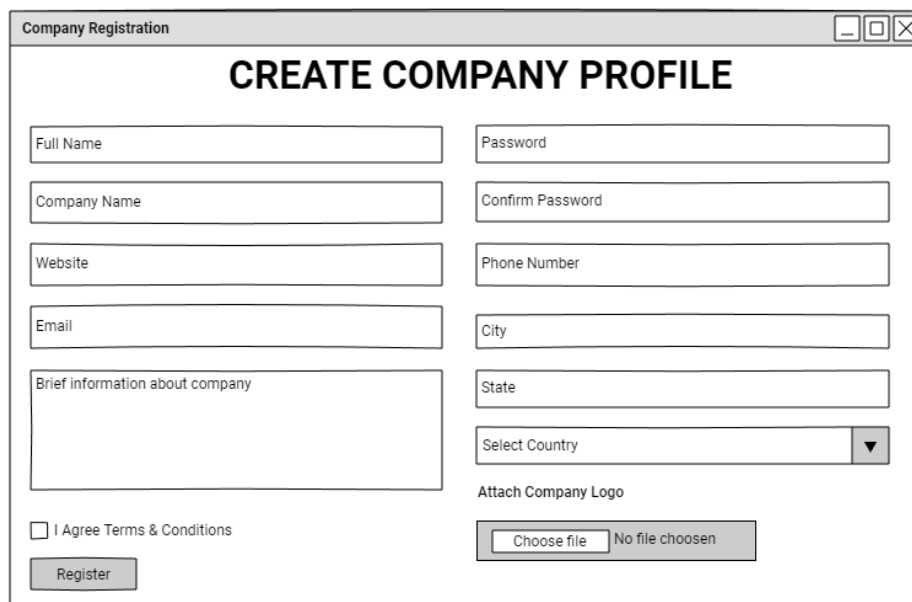


The screenshot shows a window titled "Settings" with standard window controls (minimize, maximize, close) in the top right corner. Inside the window, the heading "Change Password" is displayed. Below the heading are two text input fields: "Password" and "Confirm Password". At the bottom of the form is a button labeled "Change Password".

Figure 4.23: Settings

## 4.8.16 Company Registration

Registration form for company



The screenshot shows a window titled "Company Registration" with standard window controls (minimize, maximize, close) in the top right corner. Inside the window, the heading "CREATE COMPANY PROFILE" is displayed. The form is organized into two columns of input fields. The left column contains: "Full Name", "Company Name", "Website", "Email", and a larger text area for "Brief information about company". The right column contains: "Password", "Confirm Password", "Phone Number", "City", "State", and a "Select Country" dropdown menu. At the bottom left, there is a checkbox labeled "I Agree Terms & Conditions" and a "Register" button. At the bottom right, under the heading "Attach Company Logo", there is a "Choose file" button and a "No file choosen" button.

Figure 4.24: Company Registration

## 4.8.17 Dashboard

Dashboard for company

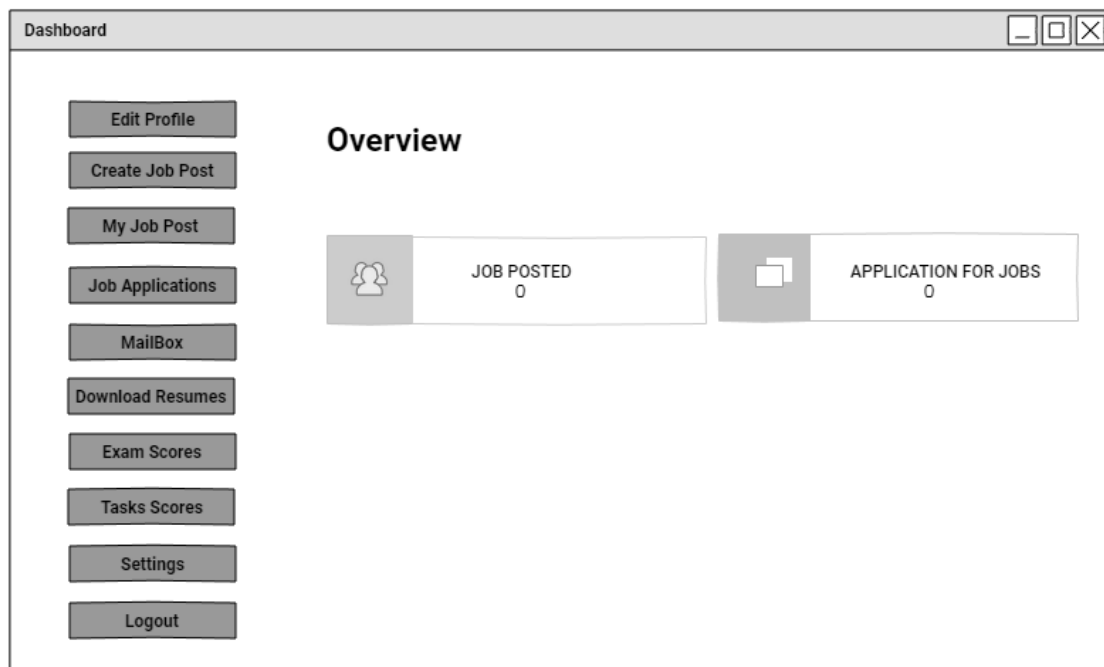
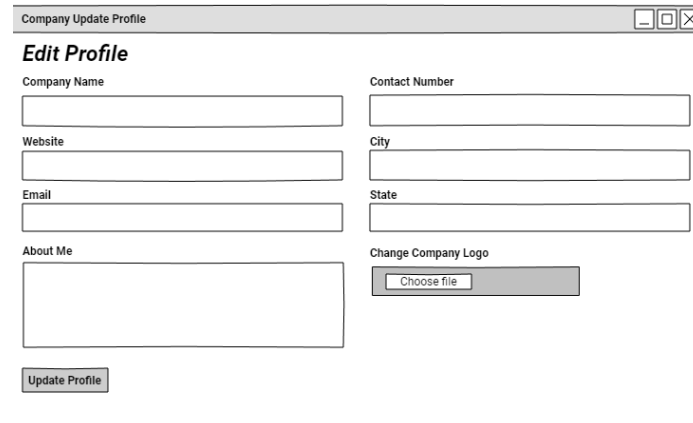


Figure 4.25: Dashboard

## 4.8.18 Edit Profile

Edit Company details



The screenshot shows a web application window titled "Company Update Profile". Inside, the heading "Edit Profile" is displayed. The form is organized into two columns. The left column contains input fields for "Company Name", "Website", "Email", and a larger text area for "About Me". The right column contains input fields for "Contact Number", "City", and "State". Below the "About Me" field is an "Update Profile" button. To the right of the "State" field, there is a section titled "Change Company Logo" with a "Choose file" button. The window has standard minimize, maximize, and close buttons in the top right corner.

Figure 4.26: Edit Profile

## 4.8.19 Create Job Post

Create New Job Posts with Details



The screenshot shows a web application window titled "Job Post". Inside, the heading "Create Job Post" is displayed. The form consists of a vertical stack of input fields: "Job Title", "Description", "Minimum Salary", "Maximum Salary", "Experience(in year)Required", and "Qualifications Required". Below these fields is a "Create" button. The window has standard minimize, maximize, and close buttons in the top right corner.

Figure 4.27: Create Job Post

## 4.8.20 Job Posts

View posted Jobs by Company

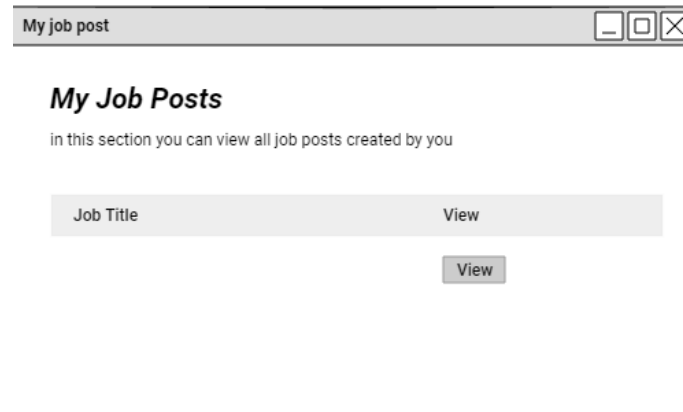


Figure 4.28: Job Posts

## 4.8.21 Job Applications

View Job Post Applications from Users and Review

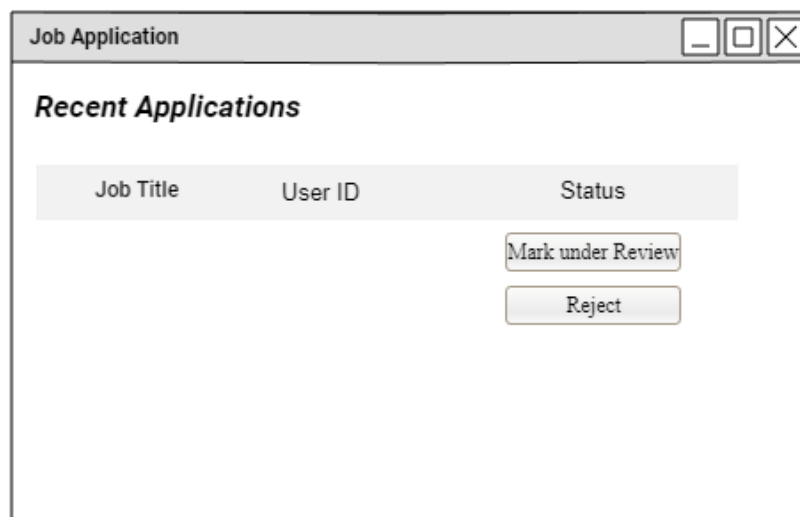


Figure 4.29: Job Applications



## 4.8.22 Download Resumes

Download Resumes of Applied Users for Company's Job Posts

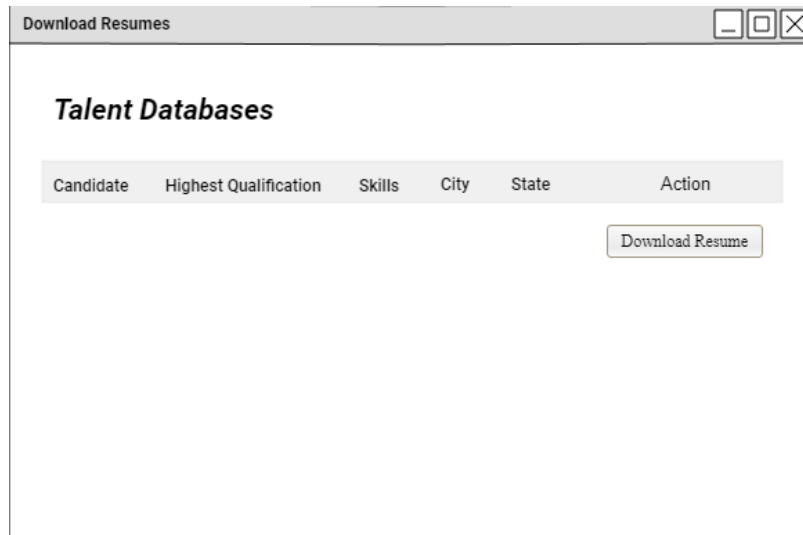


Figure 4.30: Download Resume

## 4.8.23 Exam Scores

Exam Scores of Applied Users for Company's Job Posts

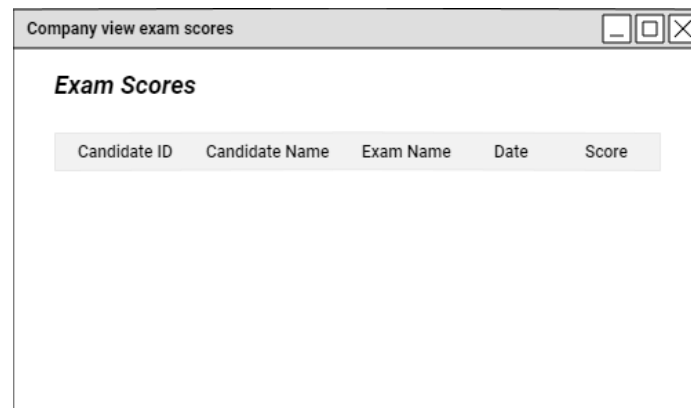
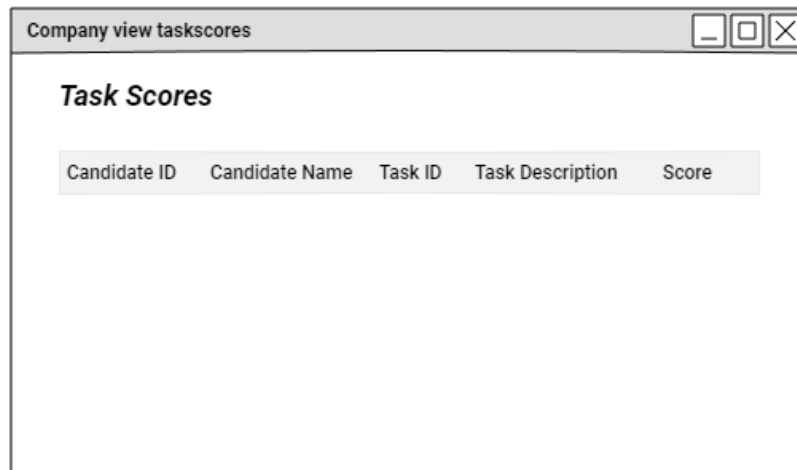


Figure 4.31: Exam Scores

### 4.8.24 Task Scores

Task Scores of Applied Users for Company's Job Posts

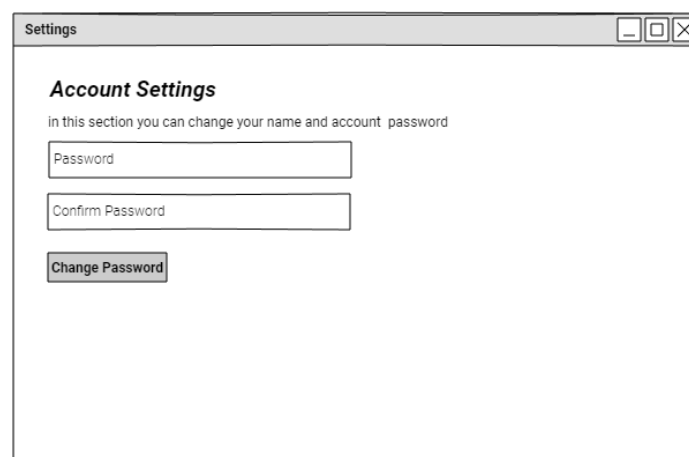


Candidate ID	Candidate Name	Task ID	Task Description	Score
--------------	----------------	---------	------------------	-------

Figure 4.32: Task Scores

### 4.8.25 Settings

Change FullName or Password of Company and also Delete Account



**Settings**

**Account Settings**

in this section you can change your name and account password

Password

Confirm Password

Change Password

Figure 4.33: Settings

## 4.8.26 Admin Homepage

Overview of Job Portal with Registered Companies, User, Job Post, etc..

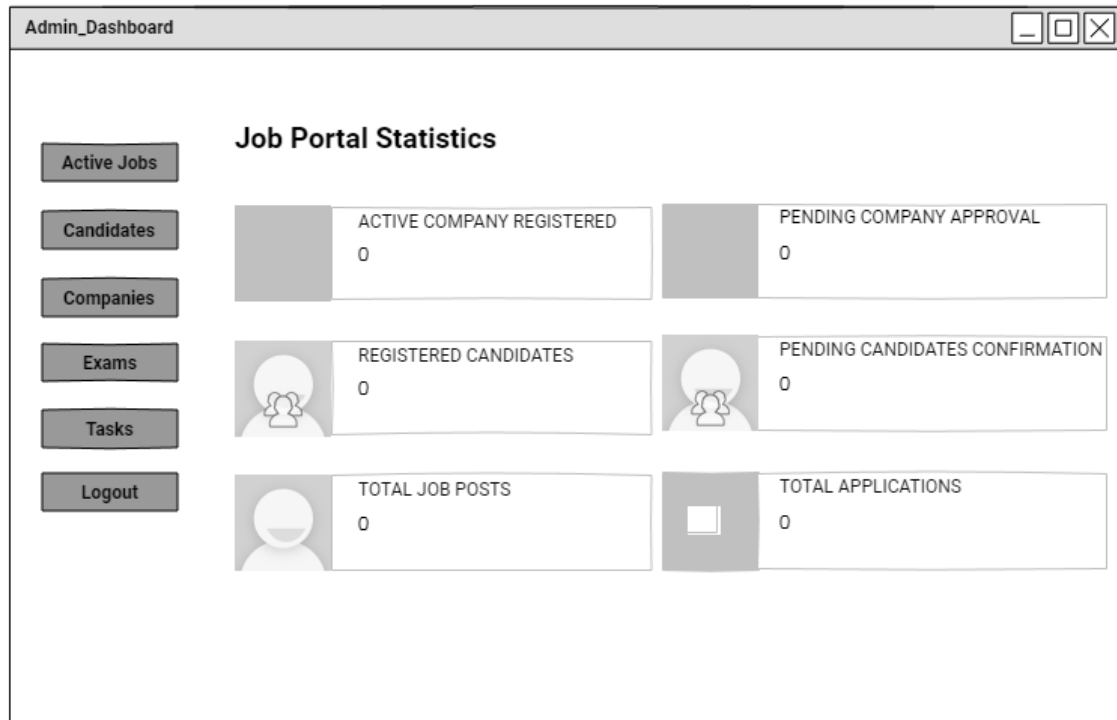


Figure 4.34: Admin Homepage

### 4.8.27 Active Jobs

Show active Jobs from Companies and manage them

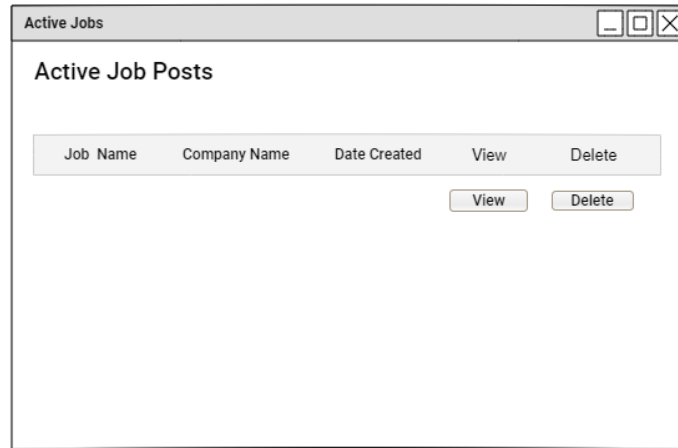


Figure 4.35: Active Jobs

### 4.8.28 Candidates

Show candidates details

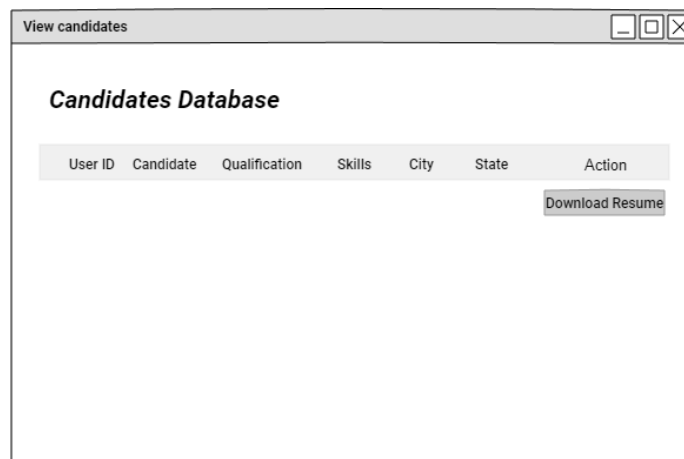


Figure 4.36: Candidates

### 4.8.29 Companies

Show company details and manage them



Figure 4.37: Companies

### 4.8.30 Exams

Show details of exams

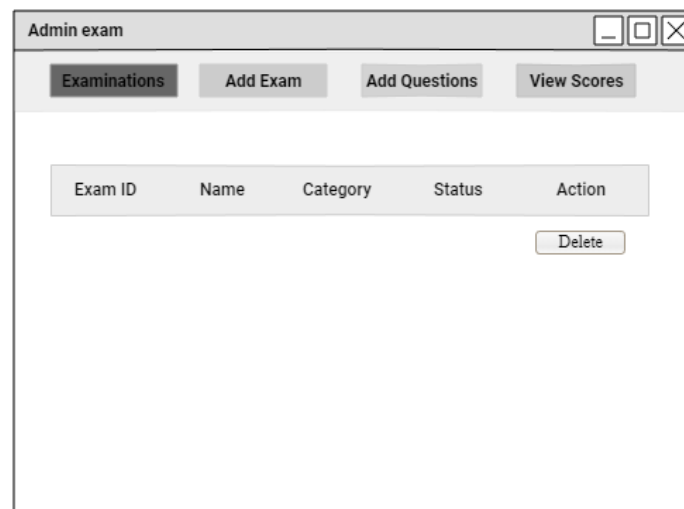
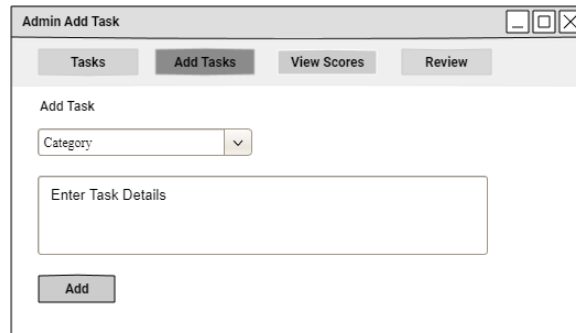


Figure 4.38: Exams

### 4.8.31 Add Exams

Add exams for users

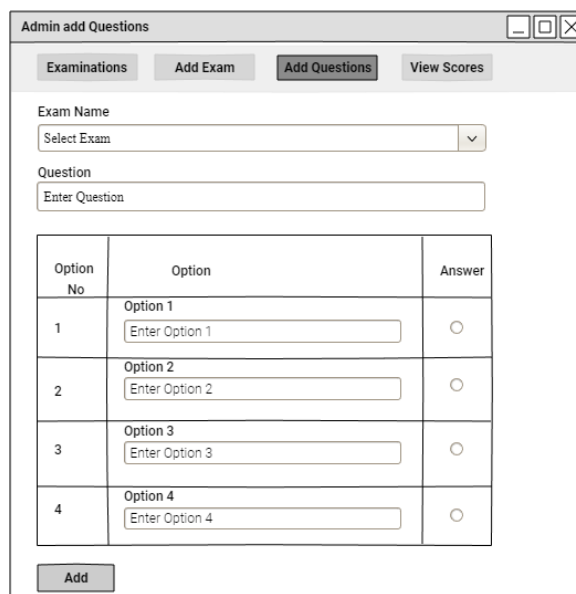


The 'Admin Add Task' window features a title bar with standard window controls. Below the title bar is a tabbed interface with four tabs: 'Tasks', 'Add Tasks' (which is the active tab), 'View Scores', and 'Review'. The main content area is titled 'Add Task' and contains a 'Category' dropdown menu. Below this is a large text input field labeled 'Enter Task Details'. At the bottom of the window is an 'Add' button.

Figure 4.39: Add Exams

### 4.8.32 Add Questions

Add Questions for Exams



The 'Admin add Questions' window has a title bar with standard window controls. It features a tabbed interface with four tabs: 'Examinations', 'Add Exam', 'Add Questions' (the active tab), and 'View Scores'. The main content area is titled 'Exam Name' and includes a 'Select Exam' dropdown menu. Below this is a 'Question' section with a text input field labeled 'Enter Question'. The lower portion of the window contains a table for adding multiple-choice options.

Option No	Option	Answer
1	Option 1 <input type="text" value="Enter Option 1"/>	<input type="radio"/>
2	Option 2 <input type="text" value="Enter Option 2"/>	<input type="radio"/>
3	Option 3 <input type="text" value="Enter Option 3"/>	<input type="radio"/>
4	Option 4 <input type="text" value="Enter Option 4"/>	<input type="radio"/>

At the bottom of the window is an 'Add' button.

Figure 4.40: Add Questions

### 4.8.33 View Scores

View Scores of Exams

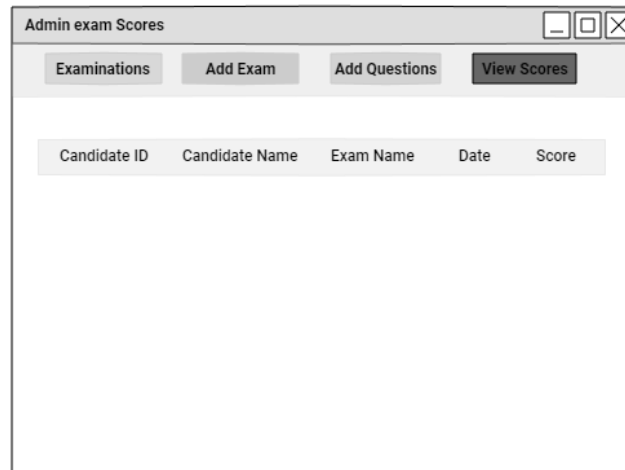


Figure 4.41: View Scores

### 4.8.34 Tasks

Show Tasks for users

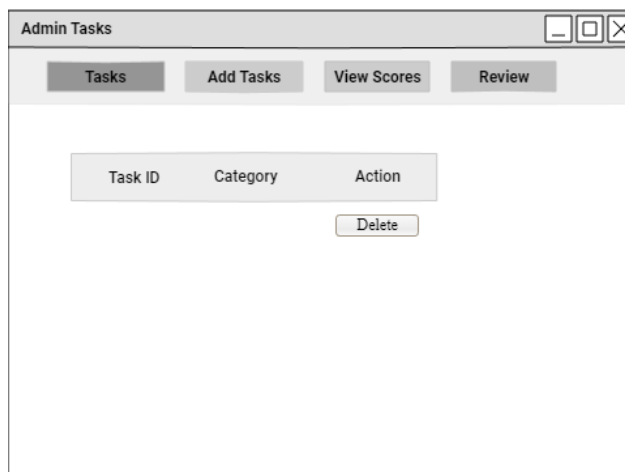
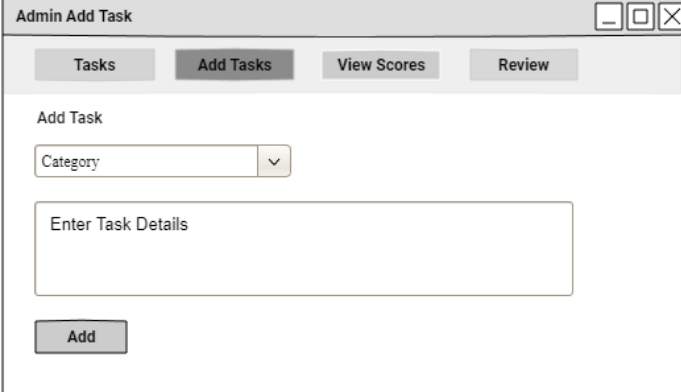


Figure 4.42: Tasks

## 4.8.35 Add Tasks

Add New Tasks

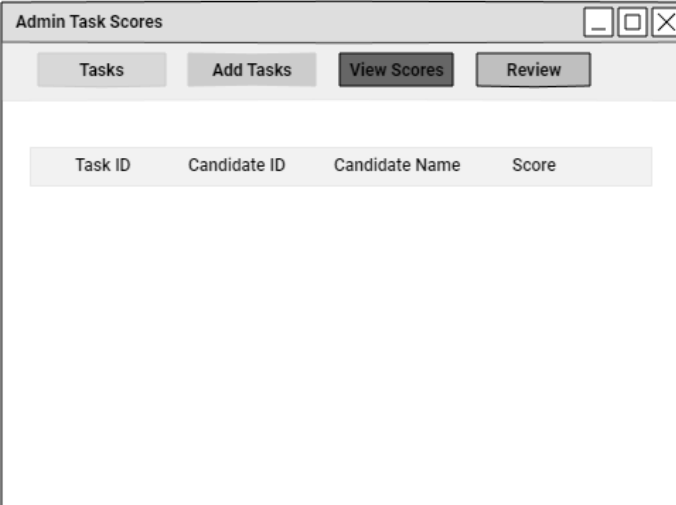


The 'Admin Add Task' window features a title bar with standard window controls. Below the title bar is a navigation bar with four buttons: 'Tasks', 'Add Tasks' (which is highlighted), 'View Scores', and 'Review'. The main content area is titled 'Add Task' and contains a 'Category' dropdown menu, a large text input field labeled 'Enter Task Details', and an 'Add' button at the bottom.

Figure 4.43: Add Tasks

## 4.8.36 View Scores

View Task Scores for Users



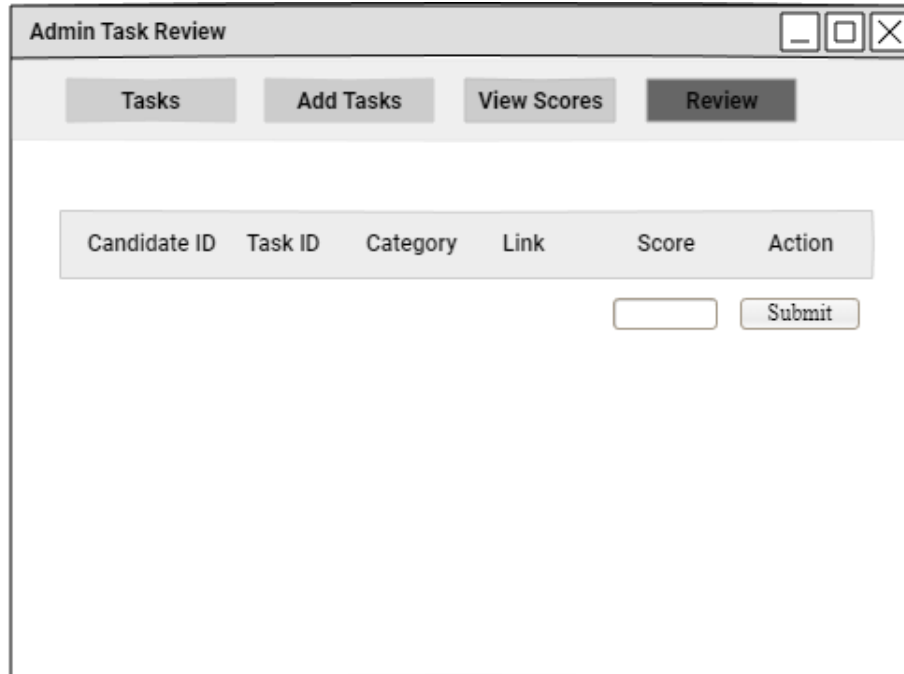
The 'Admin Task Scores' window has a title bar with standard window controls. The navigation bar contains four buttons: 'Tasks', 'Add Tasks', 'View Scores' (which is highlighted), and 'Review'. The main content area displays a table with the following headers: 'Task ID', 'Candidate ID', 'Candidate Name', and 'Score'. The table body is currently empty.

Figure 4.44: View Scores



### 4.8.37 Task Review

Review tasks done by users



The image shows a software window titled "Admin Task Review". At the top, there are four buttons: "Tasks", "Add Tasks", "View Scores", and "Review". The "Review" button is highlighted. Below these buttons is a table with the following headers: "Candidate ID", "Task ID", "Category", "Link", "Score", and "Action". Below the table headers, there is a text input field and a "Submit" button.

Candidate ID	Task ID	Category	Link	Score	Action
				<input type="text"/>	<input type="button" value="Submit"/>

Figure 4.45: Task Review