WORKLORD

PROJECT REPORT

Submitted by

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to

the APJ Abdul Kalam Technological University in partial fulfillment of the requirements for the award of the Degree

of

Master of Computer Applications



Department of Management Studies Computer Applications

KMCT College of Engineering
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0.1 UML Diagrams

0.1.1 Activity Diagram

- USER

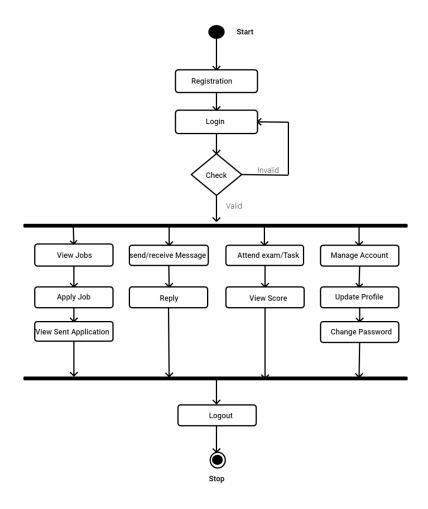


Figure 1: User's Activity Diagram

- COMPANY

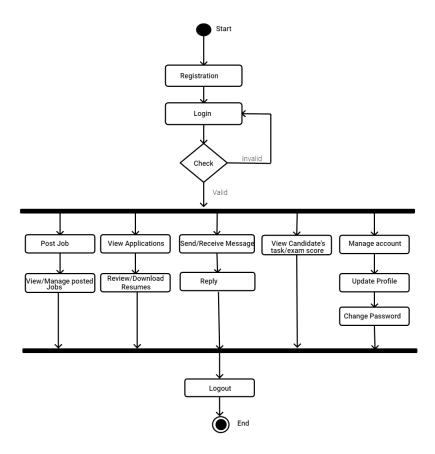


Figure 2: Company's Activity Diagram

- ADMIN

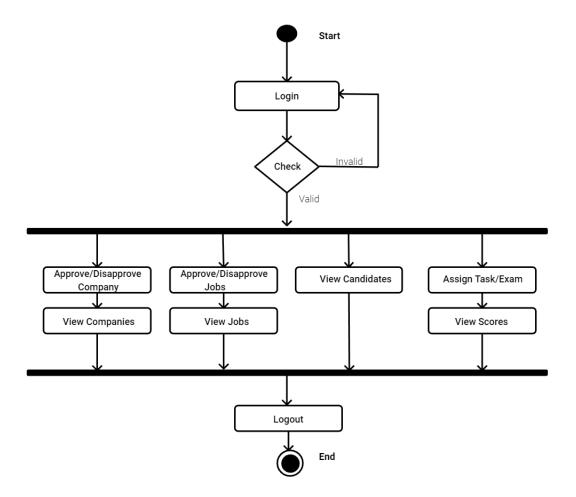


Figure 3: Admin's Activity Diagram

0.1.2 UseCase Diagrams

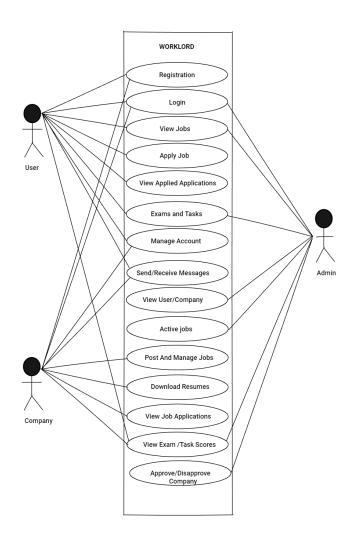


Figure 4: UseCase Diagram

0.2 User Story

User	As a < Type of Users>	I want to <perform< th=""><th>So that I can <achieve< th=""></achieve<></th></perform<>	So that I can <achieve< th=""></achieve<>
story ID	This it < Type of Cicio?	some task>	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 candi-
			dates 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	Understand knowledge or
		scores	skills of candidates
20	User/Company	Send and Receive	Send/Receive Messages
		Messages	
21	User/Company	Manage account	Update Profile
22	User/Company	Manage account	Change Password

Figure 5: User Story

0.3 Product Backlog

USER STORY ID	PRIORITY (LOW,HIGH, MEDIUM)	SIZE	SPRINT	STATUS (PLANNED, PRO- GRESSED, COM- PLETED)	RELEASE DATE	RELEASE GOAL
1	HIGH	8		Planned	15-09-	Login to the sys-
					2020	tem
2	HIGH	7	1	Planned	17-09-	Access the sys-
					2020	tem
3	HIGH	8		Planned	20-09-	Access the ac-
					2020	count
4	HIGH	8		Planned	24-09-	Manage compa-
					2020	nies
5	MEDIUM	5		Planned	27-09-	View companies
					2020	
6	HIGH	7		Planned	30-09-	Add job vac-
					2020	canices
7	HIGH	6	2	Planned	03-10-	Manage jobs
					2020	
8	MEDIUM	6		Planned	06-10-	View jobs
					2020	
9	HIGH	10		Planned	09-10-	Manage posted
					2020	jobs
10	MEDIUM	6		Planned	11-10-	View Candi-
					2020	dates
11	HIGH	9		Planned	15-10-	Apply for job
					2020	
12	MEDIUM	6	3	Planned	16-10-	View applied
					2020	jobs
13	HIGH	6	1	Planned	17-10-	View job appli-
					2020	cations
14	MEDIUM	6	1	Planned	19-10-	Download ap-
					2020	plied candidates
						resumes
15	HIGH	10		Planned	23-10-	Create exams
					2020	

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

Figure 6: Product Backlog

0.4 Project Plan

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

0.5 Sprint Backlog Planned

0.5.1 Sprint 1

Backlog	Completion	Original	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
items	date	Estimated	1	2	3	4	5	6	7	8	9	10	11	12	13	14
		hours	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			Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours
Story 1																
Form	15-09-2020	4	2	2												
Design																
Table	15-09-2020	3	1	2												
Creation																
Coding	15-09-2020	2		2												
Testing	15-09-2020	1		1												
User Story 2																
Form Design	16-09-2020	3			3											
Table	17-09-2020	4			2	2										
Creation	27 03 2020	1			-	_										
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	20-09-2020	4					2	1	1							
Creation																
Coding	20-09-2020	3					1	2								
Testing	20-09-2020	1							1							
User																
Story 4	22.00.2020															
Form Design	23-09-2020	6								3	3					
Table	22-09-2020	3								2	1					
Creation	22-09-2020	3								2	1					
Coding	24-09-2020	3									2		1			
Testing	24-09-2020	1											1			
User																
Story 5																
Form	26-09-2020	4												2	2	
Design																
Table	27-09-2020	2													1	1
Creation	27.00.2022															
Coding	27-09-2020	2												1		1
Testing	27-09-2020	1														1

Figure 8: Login

0.6 Database Design

0.6.1 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 1: Admin Table

0.6.2 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 Num-
				ber
9	website	VARCHAR(50)	NOTNULL	Company Website
10	aboutme	VARCHAR(100)	NOTNULL	About Company
11	logo	VARCHAR(100)	NOTNULL	Company Logo Name

Table 2: Company Table

0.6.3 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 Desig-
				nation
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 3: User Table

0.6.4 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: Job Post Table

0.6.5 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
3	companyid	INT(11)	NOTNULL	Job Post Company ID
4	userid	INT(11)	NOTNULL	User's ID
5	status	INT(11)	NOTNULL	Application Status

Table 5: Job Apply Table

0.6.6 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 6: Exams Table

0.6.7 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 7: Exam Questions Table

0.6.8 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	username	VARCHAR(50)	NOTNULL	User's Name
4	examname	VARCHAR(20)	UNIQUE	Exam Name
5	score	VARCHAR(50)	NOTNULL	User's Score
6	date	VARCHAR(50)	NOTNULL	Exam Date

Table 8: Exam Score Table

0.6.9 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 9: Task Table

0.6.10 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 10: Tasks Submit Table

0.7 User Interface Design

0.7.1 Homepage

Homepage of Worklord Website

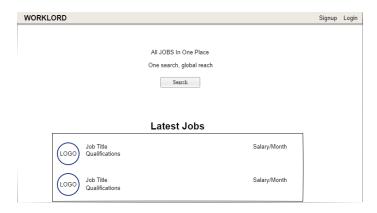


Figure 9: Homepage

0.7.2 Login

Login Page for admin, company and users



Figure 10: Login

0.7.3 Job Search

Helps to Search Available Jobs in the website

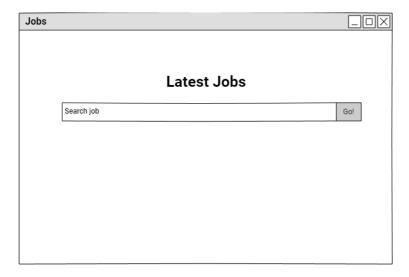


Figure 11: Job Search

0.7.4 **Jobs**

Job Details



Figure 12: Jobs

0.7.5 Mailbox

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

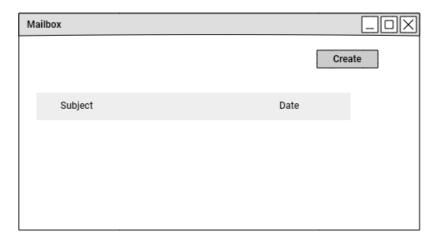


Figure 13: MailBox

0.7.6 View Mailbox

View messages from User/Company and Reply to those messages

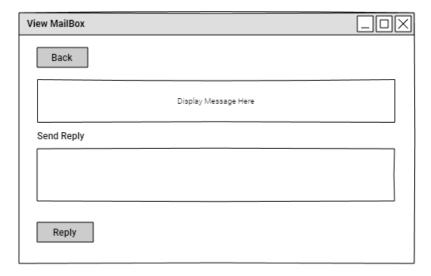


Figure 14: View MailBox

0.7.7 Compose Message

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



Figure 15: Compose Message

0.7.8 User Registration

Registration form for User

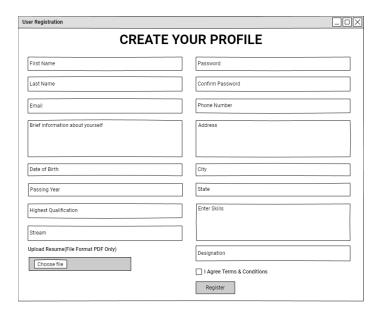


Figure 16: User Registration

0.7.9 Dashboard

Dashboard for Users, Shows available functions for user

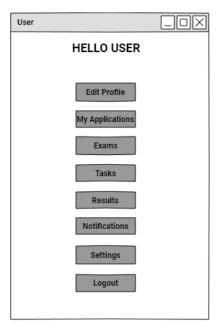


Figure 17: Dashboard

0.7.10 My Applications

Applied Job's Details and Status

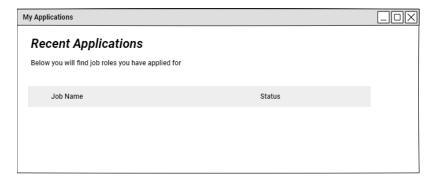


Figure 18: My Applications

0.7.11 Update Profile

Update User's Details and Resume

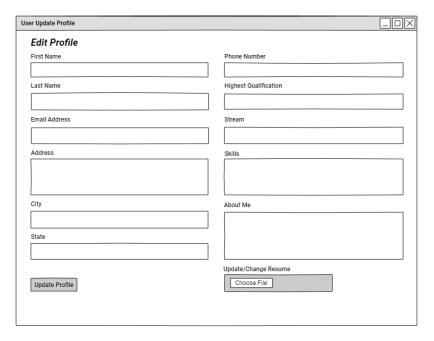


Figure 19: Update Profile

0.7.12 Exams

Attend Exams and View scores

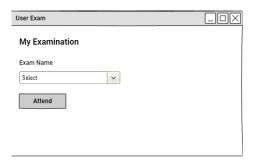


Figure 20: Exams

0.7.13 Tasks

Attend Tasks



Figure 21: Tasks

0.7.14 Results

View Scores for Task and Exams

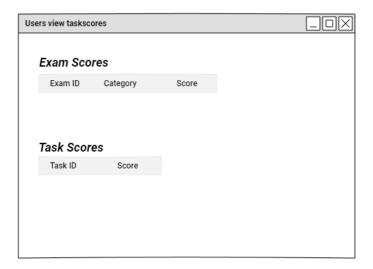


Figure 22: Results

0.7.15 Settings

Change Password or Delete Account

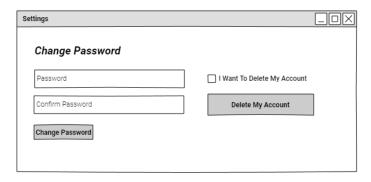


Figure 23: Settings

0.7.16 Company Registration

Registration form for company



Figure 24: Company Registration

0.7.17 Dashboard

Dashboard for company

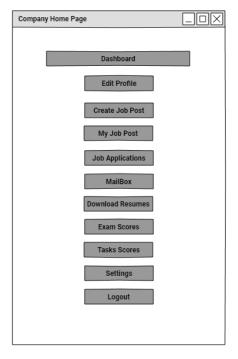


Figure 25: Dashboard

0.7.18 Overview

Overview of Company, like Job Posts and Applied Users Count



Figure 26: Overview

0.7.19 Edit Profile

Edit Company details

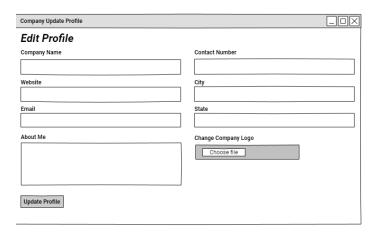


Figure 27: Edit Profile

0.7.20 Create Job Post

Create New Job Posts with Details

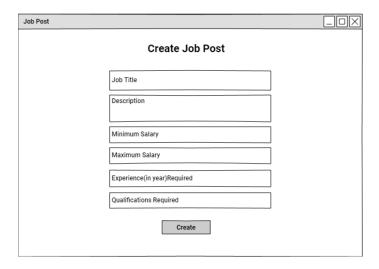


Figure 28: Create Job Post

0.7.21 Job Posts

View posted Jobs by Company



Figure 29: Job Posts

0.7.22 Job Applications

View Job Post Applications from Users and Review

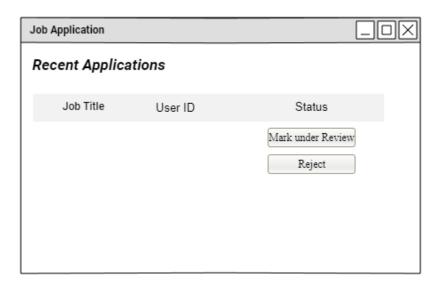


Figure 30: Job Applications

0.7.23 Download Resumes

Download Resumes of Applied Users for Company's Job Posts

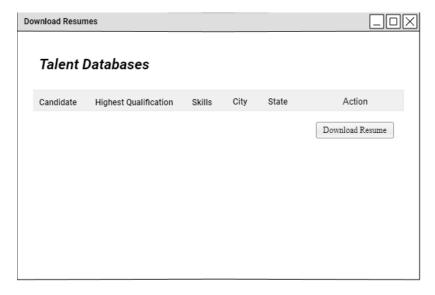


Figure 31: Download Resume

0.7.24 Exam Scores

Exam Scores of Applied Users for Company's Job Posts

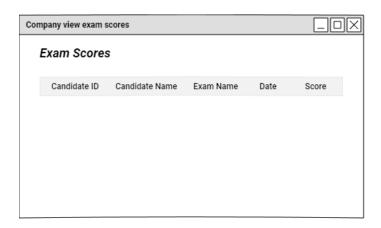


Figure 32: Exam Scores

0.7.25 Task Scores

Task Scores of Applied Users for Company's Job Posts

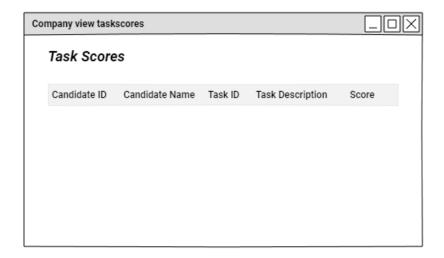


Figure 33: Task Scores

0.7.26 Settings

Change FullName or Password of Company and also Delete Account

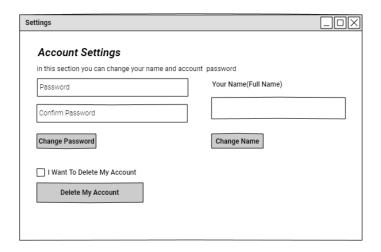


Figure 34: Settings

0.7.27 Admin Homepage

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

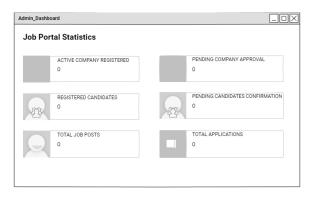


Figure 35: Admin Homepage

0.7.28 Admin Dashboard

Functions Available for Admin

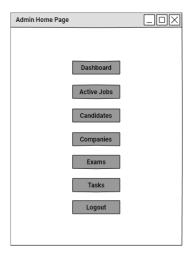


Figure 36: Admin Dashboard

0.7.29 Active Jobs

Show active Jobs from Companies and manage them



Figure 37: Active Jobs

0.7.30 Candidates

Show candidates details

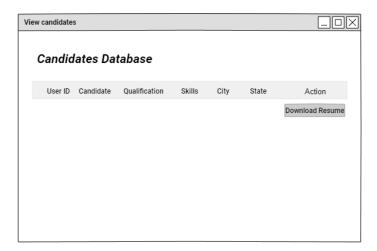


Figure 38: Candidates

0.7.31 Companies

Show company details and manage them

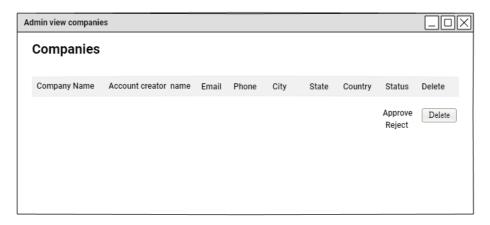


Figure 39: Companies

0.7.32 Exams

Show details of exams

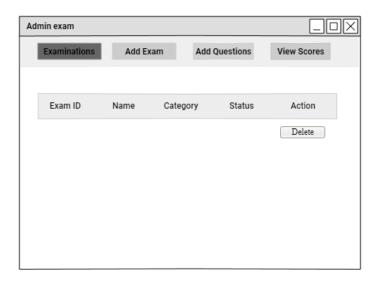


Figure 40: Exams

0.7.33 Add Exams

Add exams for users



Figure 41: Add Exams

0.7.34 Add Questions

Add Questions for Exams

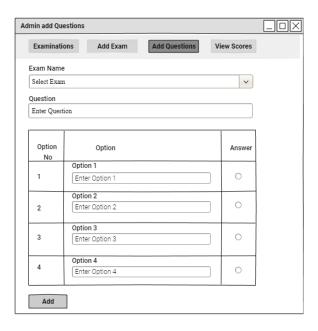


Figure 42: Add Questions

0.7.35 View Scores

View Scores of Exams

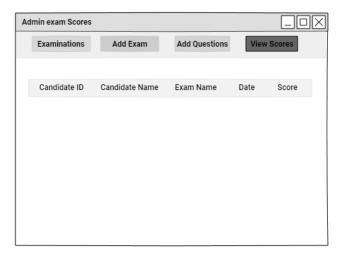


Figure 43: View Scores

0.7.36 Tasks

Show Tasks for users



Figure 44: Tasks

0.7.37 Add Tasks

Add New Tasks

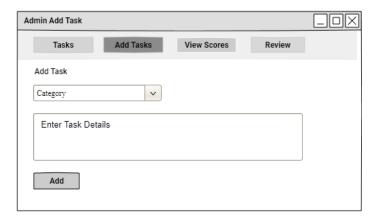


Figure 45: Add Tasks

0.7.38 View Scores

View Task Scores for Users

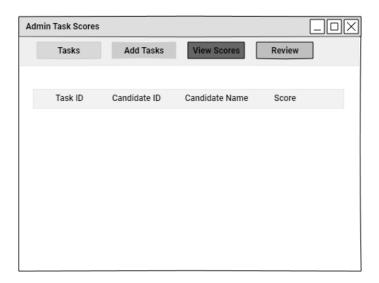


Figure 46: View Scores

0.7.39 Task Review

Review tasks done by users

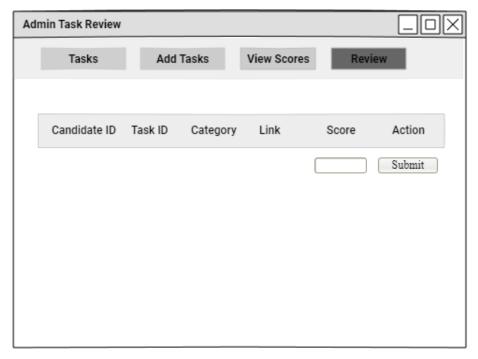


Figure 47: Task Review