Part Time Job Portal

Submitted By

Redwan Ahmed
(**152-35-1174**)

Supervised By

Iftekharul Alam Efat
Senior Lecturer
Department of Software Engineering
Faculty of Science & Information Technology
Daffodil International University

A project submitted in partial fulfillment of the requirement for the degree of
Bachelor of Science in Software Engineering

Department of Software Engineering
DAFFODIL INTERNATIONAL UNIVERSITY

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Letter of Approval

This project report "**Part Time Job Portal**" prepared by **Redwan Ahmed** (**ID**: **152**-**35**-**1174**) is approved in Partial Fulfillment of the requirement for the Degree of B.Sc in Software Engineering. The said student have completed their project work under my supervision. During the project completion period I found them sincere, hardworking and enthusiastic.

Supervised By

_____
Mr. **Iftekharul Alam Efat**
Lecturer (**Senior Scale**)
Department of Software Engineering
Faculty of Science & Information Technology
Daffodil International University

DECLARATION

I hereby declare that, I have this project ″Part Time Job Portal″ has been done by me under the supervision of **Mr. Iftekharul Alam Efat, Senior Lecturer, Department of Software Engineering, Daffodil International University**. I also declare that neither this project nor any part of this has been submitted elsewhere for award of any degree.
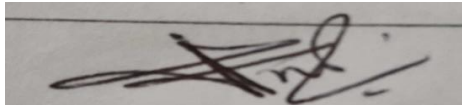
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Redwan Ahmed
ID: **152-35-1174**

Batch : 17
Department of Software Engineering
Faculty of Science & Information Technology
Daffodil International University

Certified By

_____

Mr. Iftekharul Alam Efat

Lecturer (Senior Scale)

Department of Software Engineering
Faculty of Science & Information Technology
Daffodil International University

ACKNOWLEDGMENT

First of all, I am very much blessed as I have successfully reached towards the final semester. And so, this is why I am pleased to my Almighty. From the very beginning of my university life, I have learned a lot about software engineering related knowledge from my course teachers. Moreover, they teach us ethics, morality and politeness.

Besides, I am so much thankful to my parents that, I was always supported by them. They always prioritize my opinion and inspired me as well.

I would like to express my special thanks of gratitude my supervisor **Mr. Iftekharul Alam Efat** for allowing, guidance & support me to work with this project.

DEDICATION

Truly I would say to yours, the people I speak of in this dedication are indeed of my father & mother. They have very raised, appreciate, cherish, love & care me. From the first day loving words, actions, and intentions have been poured out on me by they're hands. The individual care I received from each of them cannot be bought, priced, or even understood. The love they have for me is unconditional love. This dedication will also contain my thoughts about these 4 individuals and verbal expression of my love.

ABSTRACT

The aim of this project is to develop an online job portal for connecting between employer and jobseeker. This system can be used as an online Part Time Job Portal for the placement of Bangladeshi people especially freelancers. User logging should be able to upload their information in the form of a CV. Visitor/ Employer logging many also access/search any information put up by jobseeker.

The project has been planned to be having the architecture with central database. Using the constructs of MySQL server and all of user interface have been designed using the HTML, CSS, jQuery, PHP technologies. The database connectivity is planed using the ″SQL Connation″ methodology.

Finally I expected this project will more user friendly. Play vital role to develop our country and helpful for jobless people and employer.

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Chapter 1: **Introduction**

1.1. Project Overview

In this present era, in our country the people are so increasing that the jobs for them are now decreasing. The companies want the part time people for in their short time job. At that time, it becomes difficult to find the people who are best enough to be hired. Companies want no job no payment. And jobseeker does not like unemployment & search suitable job. Now day′s jobseeker like freelancing. Not to do depending job.

This project work as media for Employer & Jobseeker about the recruitment process which is done online. The recruitment process here is handled by the system. This project will allow the jobseeker to apply for a job to the company for interested vacancy which would be available at the company. The jobseeker will be having the account after registration. This project helps to connect to employer & jobseeker to find their perfect destination.

1.2. Project Purpose

The main purpose of this project named ″Part Time Job Portal″ is to make an automation system which might be helpful for millions of users who are unemployed & who are sufferer for assigned employee from different perspective by solving the jobless problems. So that′s why I am going to develop such a project.

1.2.1. Background

Suddenly I think that, in our country we have lots of jobless people. But the other side there is not much work due to lack of manpower. That′s the big problem for our country′s people. Jobseeker cannot find their proper job. Employer also cannot found their best candidate for vacancy. Thousands of people are being suffering, but there is not any solution. So, considering that, we have brainstormed and thinking that our problem is going to solve their problems.

1.2.2. Benefits & Beneficiaries

Our system would be beneficial for some point of view. Now, I am mentioning those below:

- My system helps the jobless people for search a job
- It helps Employer for find out best candidate for their vacancy
- It would be helpful for that people who does not want to do more than the same job
- It will help them who loves to do freelancing
- It helpful that Employer who need part timer employee for specific work
- It will help them who like to do work for event
- It will help those who are not getting the job according to qualifications
- My system is a medium for coordinating qualified employees and employers
- It′s an easiest medium for find job or search employee
- MY system will make a huge contribution to remove the country's unemployment

1.2.3. Goals

The main goals of my project are to develop a desktop application. As more than 70% of people are using internet, so my targeting to implement my system for internet base web application. My proposed systems are four stakeholders.

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1.3. Stakeholders

There are four types of stakeholders in our system Such as:

- Employer
- Jobseeker
- General user

Now, I will write a brief description about stakeholders.

Employer: Employer who need to hair employee for specific work. It′s very easy to find out employee bye our system. Employer can easily select employee bye search & visit employee profile, previous job history or post job for vacancy. Employer can download applicant resume, after finishing job employer can give rating employee for his work. Suppose an employer need 5 employees for 10 days for an event he can easily hair necessary employee by posting or visiting employee profile.

Jobseeker: Jobless people who need job specially who like freelancing or part time job. It′s a very comfortable medium for find a job. Jobseeker creates a profile in our system upload his resume. Jobseeker applies against posted job likely or employer picked up. Jobseeker able to give rating employer after finishing job for employer behavior or payment. The most impotent after finishing job history are added automatically for helpful to next job.

General user: General user mean non-registers user. Non-register can visit our web side. See post job or jobseeker list & profile. They can easily create an account in our system & make a profile for preferable job.

1.4. Proposed System Model (block diagram)

Before going to develop a system, it is very important to have a system model. We have already prepared a system model. This model will clarify our proposed system in brief.
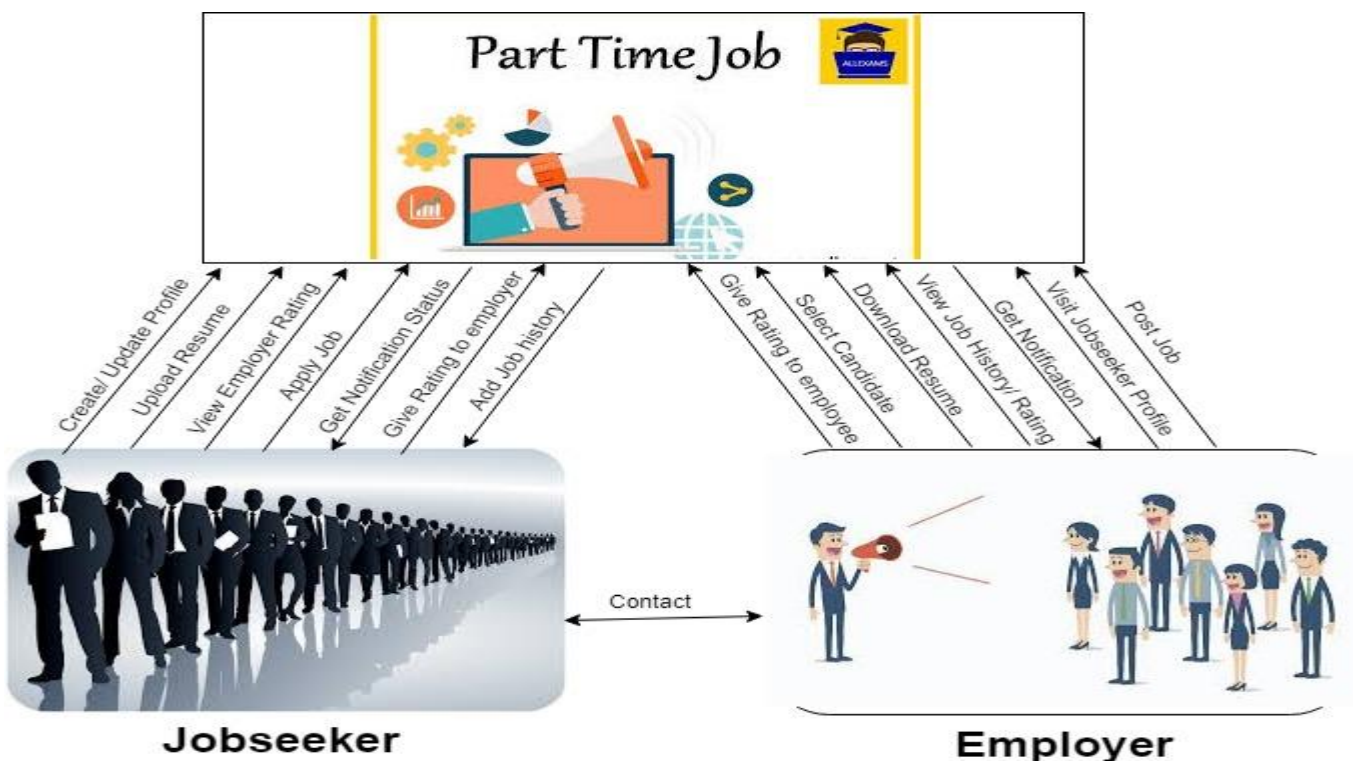
Figure 1.1: Proposed system model

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1.1. Project Schedule

I need to prepare a scheduling plan to complete the project on time. It also refers to make communication with what task need to get done within timeframe.

1.1.1. Gantt chart

Gantt chart is mainly a production control tool. It remained us to complete my assigned tasks within a certain period of time. For developing software, it is mostly used. Now I will show a Gantt chart for my project.

Activities		W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W13	W14
Planning	Ideas	■													
	Problem Definition	■	■												
	Proposal Panning	■	■												
Requirements	Requirement Specification		■	■											
	Requirement Analysis		■	■											
QA-1	Quality Assurance			■	■										
System design	Design Specification				■	■									
	Interface Design					■									
	Database Design					■	■								
Implementation	Development System Modules					■	■	■	■						
	Development Functionality								■	■					
	Integrate System Modules									■	■				
QA-2	Test Cases							■		■		■			
Testing	Unit Testing								■		■	■	■		
	Black Box Testing								■		■	■		■	
Delivery	Software Release														■
Scheduled Time															
Buffered Time															

Figure 1.2: Gantt chart

1.1.2. Release Plan/Milestone

The release plan or milestones are given below:

Activities	Duration in week	Total week
Brainstorming	Week 1	1
Problem identification	Week 1, Week 2	2
Requirement specification	Week 2	1
Requirement analysis	Week 2	1
Design specification	Week 4	1
Interface design	Week 4	1
Database design	Week 5	1
Development System modules	Week 5, Week 6, Week 7, Week 8	4
Integrate System Modules	Week 6, Week 7, Week 8	3
Test case	Week 2, Week 7, Week 8, Week 9, Week 10	5
Unit testing	Week 11, Week 12	2
Black-box testing	Week 13, Week 14, Week 15	3
Resolve Issues	Week 15	1
Software release	Week 16	1

Chapter 2: **Software Requirement Specification**

2.1. Functional Requirements

Functional requirements are those which are related to the technical functionality of the system. In software engineering and systems engineering, a functional requirement defines a function of a system or its component, where a function is described as a specification of behavior between outputs and inputs.

2.1.1   Sing up Employer

FR 01	Employer can Registration in this system		
Description	When User go registration. There are two types of category of registration. One of Employer registration. If user select registration category is employer user give company name, address, phone, company logo etc.		
Stakeholders	Employer	**Priority**	High

2.1.2   Sing up Jobseeker

FR 02	Jobseeker can Registration in this system		
Description	The registration category is jobseeker registration. When user select registration, category is Jobseeker. User given his personal necessary information like user name, address, phone & upload his resume		
Stakeholders	Jobseeker	**Priority**	High

2.1.3   Log in

FR 03	Register user can Log in to our system		
Description	User will log in the system using user name, password & system will verify information with database. If user name, password incorrect user wouldn't log in this system.		
Stakeholders	Employer, Jobseeker.	**Priority**	High

2.1.4   Post job

FR 04	Employer can Post job to our system		
Description	Employer will post a job in this system given required information for hire employee. And the post is view in home page of the system.		
Stakeholders	Employer, Jobseeker	**Priority**	High

2.1.5   View Post

FR 05	User can View Job Post to our system		
Description	Jobseeker will see job post & post details where employers post in this system.		
Stakeholders	Employer, Jobseeker	**Priority**	High

2.1.6 Apply Job

FR 06	Jobseeker can Apply job		
Description	Jobseeker will apply job. Employer who posts job offer & Jobseeker will apply this job. Before apply job, Jobseeker must log in this system.		
Stakeholders	Employer, Jobseeker	Priority	High

2.1.7 Pick up Employee

FR 07	Employer can Picked up employee in our system		
Description	Employer can hair or pick up employee who already have a profile in this system and upload there resume without post. Employer will visit jobseeker profile & see previous job history, rating, etc.		
Stakeholders	Employer, Jobseeker	Priority	Medium

2.1.8 Manage job

FR 08	Employer can Manage Job Post		
Description	Employer can manage job already they posted in the system. Like Employer will manage edit, delete post select candidate, accept, reject application, see applicant profile, download resume, etc.		
Stakeholders	Employer, Jobseeker	Priority	High

2.1.9 Search Job & Employee

FR 09	Jobseeker can Search Job		
Description	Jobseeker will search job, search by category in home page. Employer can search employee for vacancy in home page.		
Stakeholders	Employer, Jobseeker	Priority	Low

2.1.10 Upload Resume

FR 10	Jobseeker can Upload their Resume		
Description	Jobseeker will upload his resume in this system. When Jobseeker signup jobseeker can upload his resume for find a better job.		
Stakeholders	Employer, Employee	Priority	Medium

2.1.11 Download Resume

FR 11	Employer can Download Resume		
Description	Employer will able to download applicant resume. When jobseeker apply against post. Then employer can download applicant resume.		
Stakeholders	Employer, Jobseeker	Priority	Medium

2.1.12 Edit Profile

FR 12	Jobseeker can Edit Profile		
Description	Jobseeker able to edit or update their profile. Like name, address, phone number, update resume. Jobseeker can add or edit his education qualification.		
Stakeholders	Employer, Jobseeker	Priority	Medium

2.1.13 Rating

FR 13	Employer & Employee can Give Rating		
Description	After finish the job Employer & Employee give rating each other based on work experience, behavior, payment etc. Rating star shown jobseeker & employer profile.		
Stakeholders	Employer, Jobseeker	Priority	High

2.1.14 Job History

FR 14	Add & View Jobseeker Job history		
Description	When a Jobseeker work under an employer. After finishing job employee job history add his profile automatically. Employer can see jobseeker previous job history by visiting jobseeker profile.		
Stakeholders	Employer, Jobseeker	Priority	High

2.1.15 Notification

FR 15	Notification		
Description	Employer gets notification when jobseeker applies against their posted job. Jobseeker got a notification about their application like application send, accept, reject.		
Stakeholders	Employer, Jobseeker	Priority	Medium

2.1.16 Contact

FR 16	Contact		
Description	Employer contacts with jobseeker who are apply for job or pick up require candidate who already create their account. And Jobseeker contact with employer after got notification selected candidate.		
Stakeholders	Employer, Employee	Priority	Low

2.2. Data Requirements

Data requirements provide scope and level of detail to achieve the model objectives. An overall process flow can gather more detailed information. A process flow helps to build a model building process. We focus some of main points. Such as:

- The type of entity and their attributes
- Types of resources
- Routing decision
- Quantity of data
- What activity

2.3. Performance Requirements

It is very important to maintain performance of any software system. To ensure performance, we need to maintain some steps. Now, I will explain some perspective by which we are going to enhance the performance of our project.

2.3.1. Speed and Latency Requirements

Speed and latency requirements must be ensured while retrieving data from the cloud server.

SLR 01	Search result must be faster.		
Description	When jobseeker search a job or employer search an employee, then the search result must show within seconds.		
Stakeholders	Employer, Jobseeker, Admin	Priority	Medium

2.3.2. Precision or Accuracy Requirements

A result that is to be shown to the end user is needed to be accurate. Because wrong information destroyed a company or a career.

PAR 01	Output result must be accurate		
Description	When employer post a job for vacancy, accept/ reject applicant, rating, jobseeker profile information, job history must be according to the input value given by user.		
Stakeholders	Employer, Jobseeker, Admin	Priority	High

2.3.3. Capacity Requirements

The developed system by us must be capable to handle user data, provide accurate information, handling database, manage http request etc.

CR 01	Capacity Requirements		
Description	The system needs to handle thousands of data every moment. Shore much data every moment.		
Stakeholders	Admin, Employer, Jobseeker,	Priority	low

2.4. Dependability Requirements

The term dependability is measured based on four dimensions. Such as:

- Availability
- Reliability
- Safety
- Security

2.4.1. Reliability & Availability Requirements

Now, I will discussion requirements which are related to reliability and availability.

RAR 01	Reliability & Availability Requirements		
Description	The system must be available on 24 X 7. • Our system must be available all day long, every day in a week • The system must be updated regularly • System must be malware free		
Stakeholders	Employer, Jobseeker, Admin	Priority	Low

2.4.2. Robustness or Fault-Tolerance Requirements

To ensure robustness and fault-tolerance facilities to the end users, it is urgent to ensure 0% crush. Moreover, it must show accurate results.

RFTR 01	Robustness or Fault-Tolerance Requirements		
Description	Thousands of users might hit our system at a time. All their requests must be handled without any fault & quick.		
Stakeholders	Employer, Jobseeker, Admin	Priority	Medium

2.4.3. Safety-Critical Requirements

There are no safety-critical requirements in our project.

2.5. Maintainability and Supportability Requirements

It is very important to provide after service or support to the end user

2.5.1. Maintenance Requirements

MR 01	System maintain user information		
Description	It is very important to maintain to update user information like user profile, post, application request etc.		
Stakeholders	Employer, Jobseeker, Admin	Priority	Low

2.5.2. Supportability Requirements

Our system has all of the below requirements related supportability.

- Testability
- Adaptability

- Maintainability
- Compatibility
- Configurability
- Serviceability
- Install ability

2.5.3. Adaptability Requirements

There are no adaptability requirements in our system software

2.5.4. Scalability or Extensibility Requirements

There are no adaptability requirements in our system software

2.6. Security Requirements

Making software security as this requirement is very important. Software security requirements almost like its functional requirement. Some security related requirements are given below:

- Log in by registered users
- Get access according to logged in user
- Handling encrypted passwords

2.6.1. Access Requirements

For accessing my system, there face some authentication and authorization techniques. Now I will provide an explanation below.

AR 01	Application provides security mechanism.		
Description	Every module is designed in such a way that it only gives access to the authorized and authenticated users.		
Stakeholders	Employer, Jobseeker, Admin	Priority	High

2.6.2. Integrity Requirements

My system ensures that all data Integrity & would never be exposed to the malicious modification or accidental destruction. For that reason, we will store our user passwords in central database.

2.6.3. Privacy Requirements

To ensure user privacy, the central database should be protected by the anonymous. Users are permitted to get access to those data which user are authorize & pass by login system.

2.7. Usability and Human-Interaction Requirements

I take many steps for my system user friendly, easy to usable for the end user

2.7.1. Ease of Use Requirements

Our system is easy to use and also easily understandable.

EUR 01	Application must be usable for the end users.		
Description	This system must enough easy for the employer & jobseeker to create new account, login, search job, select candidate, post job, apply job etc.		
Stakeholders	Employer, Jobseeker	Priority	Low

2.7.2. Personalization and Internationalization Requirements

There are not any personalization and internationalization requirements of my system. This first version of my application is only be operated by Bangladesh.

2.7.3. Understandability and Politeness Requirements

The system needs provide hints to users whether any error occurred or wrong. By reading those errors users can be able to operate the system easily or contract us.

2.7.4. Accessibility Requirements

There are no specific accessibility requirements associated to our system yet.

2.7.5. User Documentation Requirements

For my project this type of documentation written by the system engineers to make the development life cycle easier.

UDR 01	The system engineer documentation.		
Description	To develop my application named part time job portal firstly I have made a system analysis documentation.		
Stakeholders	System analysts or software developers.	Priority	Low

2.7.6. Training Requirements

There are no training requirements for my system

2.8. Look and Feel Requirements

For Look and feel requirements this system will needs better user interface to display the end user.

2.8.1. Appearance Requirements

Employer, Jobseeker must know which input fields are required and which are not. For that reason, I will use labels for all input fields. Input fields might be text type, radio, checkbox etc.

AR 01	Labels of mandatory fields must be bold.		
Description	The mandatory field's label must be bold and all input fields must have placeholder to make it easier for the users.		
Stakeholders	Employer, Jobseeker, Admin	Priority	Low

2.8.2. Style Requirements

This system application must be stylist. For web application like desktop, extensive markup language or php is used. Style makes the system profitable.

SR 01	The appearance must be controllable using php file.		
Description	For desktop application style sheet files are php. So, all style sheets must be controllable by the php file.		
Stakeholders	Software developer.	Priority	Low

2.9. Operational and Environmental Requirements

Operational and environmental requirement refers to the capabilities, performance measurements, process measurements of effectiveness, measures of sustainability, measurements of technical performances etc.

2.9.1. Expected Physical Environment

There are no expected physical requirements in my system.

2.9.2. Requirements for Interfacing with Adjacent Systems

There are no requirements for interfacing with adjacent system for my project.

2.9.3. Release Requirements

This project must be release within 15 April 2019.

2.10. Legal Requirements

The terms and condition of my application is that, third-party software or person is not allowed to use my data for their business purpose.

2.10.1. Compliance Requirements

There are no specific compliance requirements for our system.

2.10.2. Standards Requirements

For development this project must follow the software development life cycle (SDLC) standards.

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Chapter 3: **System Analysis**

3.1. Use Case Diagram

We have use case diagram. And there are three actors. Each actor plays different role. And those are already indicated to this use case diagram. This diagram will clarify our system in brief.
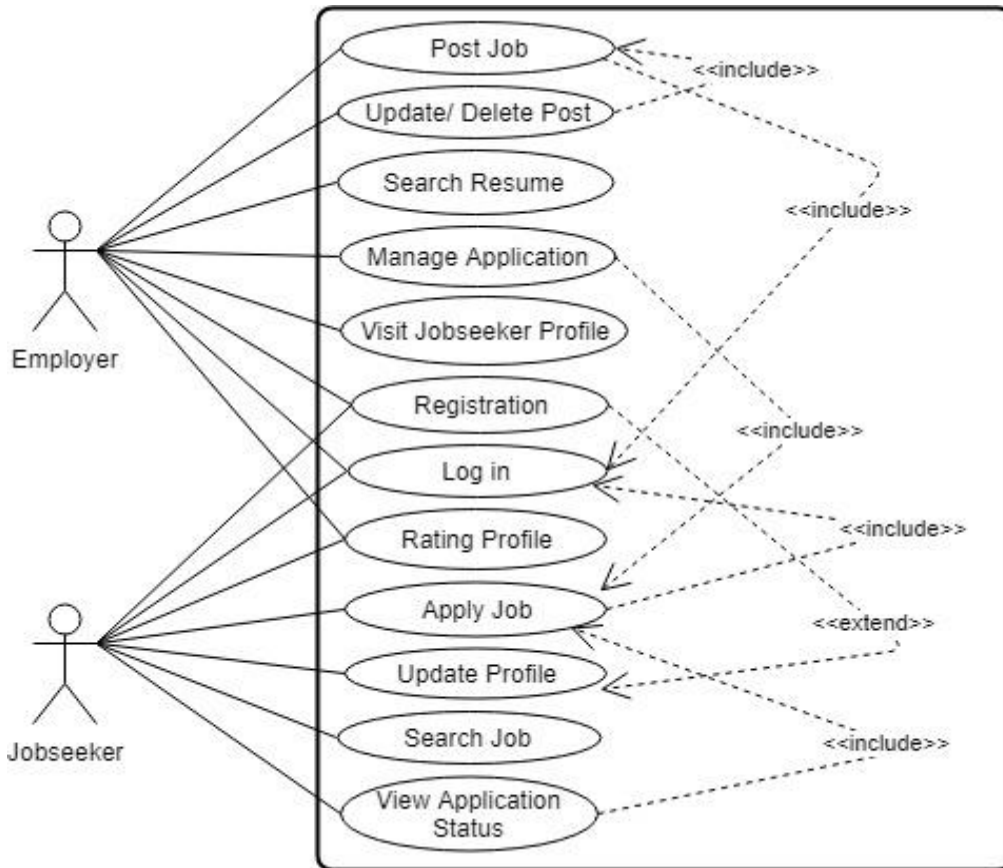

Figure 3.1: Use Case diagram for ″Part Time Job Portal″

3.2. Use Case Description (for each use case)

3.2.1. Post Job

Use Case Title	Post Job
Goal	Employer post job for hire employee
Pre-Condition	• User must be authenticated • User type must be Employer • Employer must provide proper information
Success End Condition	Employer will find best candidate Employee will find best job
Failure End Condition	Employer not found candidate for vacancy.
Primary Actor Secondary Actor	Employer Jobseeker
Trigger	Click Profile drop down menu there have post a job option

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Description / Main	Step	Action
Success Scenario	1	Employer post job.
	2	Employee see the post details & Apply for job
	3	Employer will get notification who are applied
	4	Employer accept or reject candidate
	5	Jobseeker get notification on his status
	6	Employee & Employer contact each other
Alternative Flow	Step	Branching Action
	1	Employer will be picked up candidate without post.
Quality Requirements	Step	Requirement
	1	Employer get notification within 5 min
	2	Selected employee get notification within 1 hour

3.2.2. Update/ Delete Post

Use Case Title	Update/ Delete Post	
Goal	Employer will Update post if correction or delete post for needed.	
Pre-Condition	• User must be authenticated • User type must be Employer • Employer must post a job in our system	
Success End Condition	Employer represent proper information Jobseeker get correct information	
Failure End Condition	Employer will not update his post if he needed Jobseeker will not get correct information.	
Primary Actor Secondary Actor	Employer Jobseeker	
Trigger	There has an update option	
Description / Main	Step	Action
Success Scenario	1	Employer go to my account menu
	2	If need any correction employer click update option
	3	Edit the necessary information in this from to provide
	4	Then chick submit button
	5	If need to delete post click delete option & ok for confirm.
	6	Updated post & view correct information
	7	Jobseeker will get correct information
Alternative Flow	N/A	
Quality Requirements	Information replace properly.	

3.2.3. Manage Applications

Use Case Title	Manage Applications
Goal	Employer will manage application.
Pre-Condition	• User must be authenticated • User type must be Employer • Employer must post a job in our system • Jobseeker must apply job
Success End Condition	Employer will see candidate list who are apply & accept or reject application. Employer will find best candidate.

Failure End Condition	Employer cannot able to manage applicant.	
Primary Actor **Secondary Actor**	Employer Jobseeker	
Trigger	View Applications menu in drop down menu by clicking profile	
Description / Main	Step	Action
Success Scenario	1	Employer post job
	2	Jobseeker apply against the job posted
	3	Employer see applicant list who are apply
	4	Employer able to visit applicant profile, download applicant resume
	5	Employer able to accept or reject candidate
	6	Employer see application status.
Alternative Flow	N/A	
Quality Requirements	N/A	

3.2.4. Search Job/ Resume

Use Case Title	**Search Job/ Resume**	
Goal	Jobseeker search a better job & Employer can search Resume	
Pre-Condition	• Jobseeker must create a profile in this system • Employer must post job	
Success End Condition	Jobseeker will find a best job Employer will find best candidate	
Failure End Condition	Jobseeker don′t find proper job; Employer don fill up vacancy.	
Primary Actor **Secondary Actor**	Jobseeker Employer	
Trigger	There has a search box above the post	
Description / Main	Step	Action
Success Scenario	1	Jobseeker create a profile and upload resume
	2	Employer post job.
	3	Employee write job title or select job category in search box
	4	Chick search icon
	5	Jobseeker see the job post what he wants
	6	Employer fined the needed employee profile.
	7	Jobseeker find his best job; Employer find the best employee
Alternative Flow	Step	Branching Action
	1	Search by scroll down
Quality Requirements	N/A	

3.1.1. Visit Jobseeker Profile Details

Use Case Title	**Visit Jobseeker Profile Details**
Goal	User able to visit Jobseeker profile
Pre-Condition	• User must visit our web side • Jobseeker must create a profile in this system
Success End Condition	Employer visit jobseeker profile & get idea for choice an employee for vacancy

Failure End Condition	Employer cannot see employee profile details for needed	
Primary Actor **Secondary Actor**	Employer Employee	
Trigger	Click on Employee profile or name.	
Description / Main **Success Scenario**	Step	Action
	1	In home page right side on our system shown seeker list
	2	User can visit jobseeker profile
	3	Below the profile user can see jobseeker details like previous job history, rating, accomplishment, personal & contact information.
	4	Or when jobseeker apply against a post employer able to visit that employee profile by click on employee name
	5	Employer can see jobseeker details
Alternative Flow	Step	Branching Action
	1	By download employee resume
Quality Requirements	N/A	

3.1.2. Apply Job

Use Case Title	**Apply Job**	
Goal	Jobseeker apply for get a better job	
Pre-Condition	• Jobseeker must be authenticated • Employer must post a job	
Success End Condition	Employee will get a best job Employer will find best candidate	
Failure End Condition	Employee don′t find any job	
Primary Actor **Secondary Actor**	Jobseeker Employer	
Trigger	Call to action button name ″Apply″	
Description / Main **Success Scenario**	Step	Action
	1	Employer post job.
	2	Jobseeker see the post details
	3	Jobseeker apply for job
	4	Employer will get notification who are applied
	5	Employer accept or reject candidate
	6	Jobseeker get notification on his status
	7	Jobseeker get best job
Alternative Flow	Step	Branching Action
	1	Employer will be picked up candidate without post.
Quality Requirements	Step	Requirement
	1	Notification work properly

3.1.3. Rating

Use Case Title	**Rating**
Goal	Employer & Employee give rating each other
Pre-Condition	• User must be authenticated • User type must be Employer or Employee • Jobseeker apply job & must accepted by employer

Success End Condition	Employee & Employer get the feedback of his work, behavior
	Next time other employee easily finds his best job,
	To help Employer find their best candidate
Failure End Condition	Employee & Employer cannot get the feedback
	Don′t get help to find job & candidate
Primary Actor	Employer, Employee
Secondary Actor	Admin
Trigger	There has Star for rating

Description / Main	Step	Action
Success Scenario	1	Employer post job
	2	Employee apply against the job posted
	3	Employer accept application
	4	Employee work according to contract
	5	After finishing the job employer give rating to employee
	6	Employee also give rating to employer for his behavior, payment, etc.
Alternative Flow	N/A	
Quality Requirements	N/A	

3.1.4. Update Profile Details

Use Case Title	**Update Jobseeker Profile**
Goal	Jobseeker can update his profile details
Pre-Condition	• Jobseeker must log in this system
Success End Condition	Jobseeker represent updated information
	Employer get proper information
Failure End Condition	Jobseeker Profile shown backdated
	Employer will not get proper information.
Primary Actor	Jobseeker
Secondary Actor	Employer
Trigger	There have update option on My Profile

Description / Main	Step	Action
Success Scenario	1	Jobseeker go to My Profile
	2	Click update button like upload profile picture, update information, add/ update accomplishment
	3	Edit or fill up the necessary information
	4	Then Submit
	5	Updated Profile are shown
Alternative Flow	N/A	
Quality Requirements	N/A	

3.1.5. View Status

Use Case Title	**View Status**
Goal	Jobseeker can see his application status
Pre-Condition	• Jobseeker must be authenticated
	• Jobseeker must apply for job
Success End Condition	Jobseeker will see his application send, accept or reject status to help for make decision

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Failure End Condition	Jobseeker are confused about application	
Primary Actor Secondary Actor	Employer, Jobseeker	
Trigger	Go ″Job Applied″ menu there have status bar	
Description / Main Success Scenario	Step	Action
	1	Employer post job
	2	Jobseeker apply against the job posted
	3	Employer accept/ reject candidate or not
	4	Application send or Accepted/ Rejected information are shown at status bar
	5	Jobseeker get a clear message
Alternative Flow	N/A	
Quality Requirements	N/A	

3.3. Activity Diagram (for each use case)

I have prepared some activity diagram according to my use case. These activity diagrams are properly referring the flow of the individual conditions of my project.

3.3.1. Post Job

The very initial step of an employer to post job for search employee for vacancy. Employer can easily post in this system & jobseeker will apply against this post for job. Now I will figure out the activity diagram below.
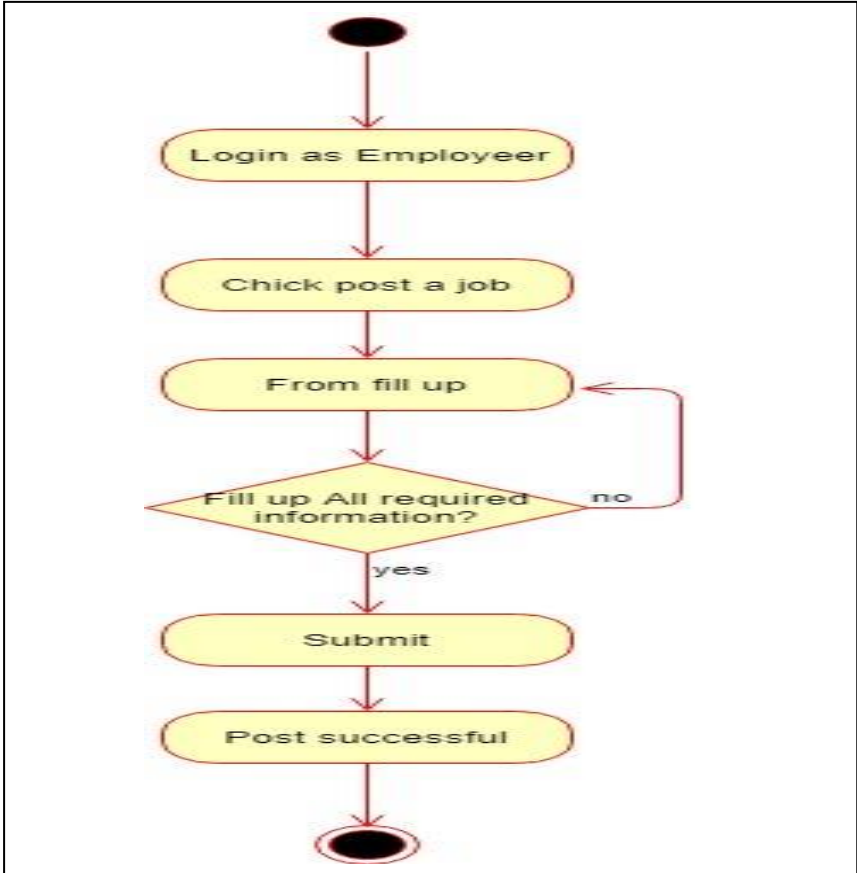
Figure 3.2: Post Job

3.3.2. Apply Job

This is very important for jobseeker. Jobseeker applies against post for job. Now I will figure out the activity diagram below.
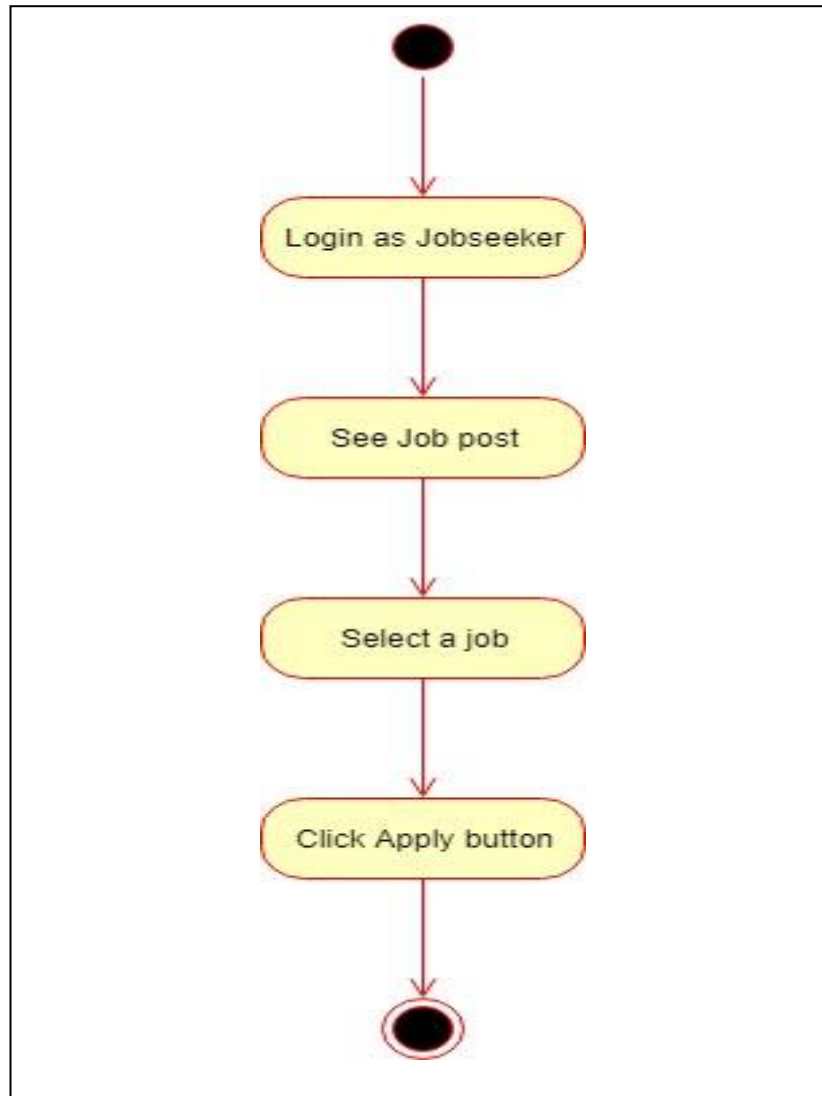
Figure 3.3: Apply Job

3.3.3. Manage Application

After complete apply process this is very important for employer to choose candidate or manage application. When jobseeker applies against post employer can see the applicant list in view application page. Employer able to visit applicant profile & see previous job history, rating, etc. Finally, employer choice candidate by accept or reject. Now I will show the activity diagram of how employer accept or reject candidate.
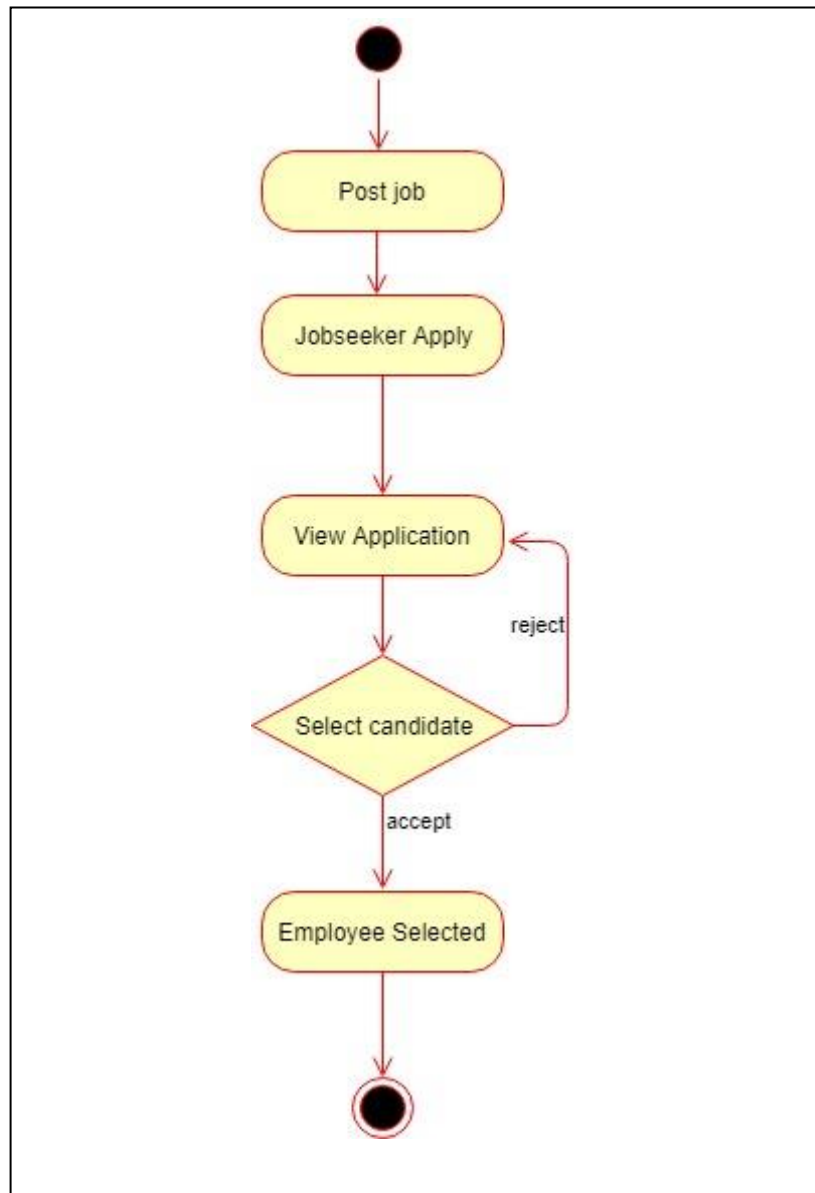
Figure 3.4: Accept/ Reject Application

3.1.1.   View Job History

Employer can see employee previous job history by visiting employee profile. This is helpful for employer when employer select an employee for vacancy. Now I will figure out the activity diagram below.
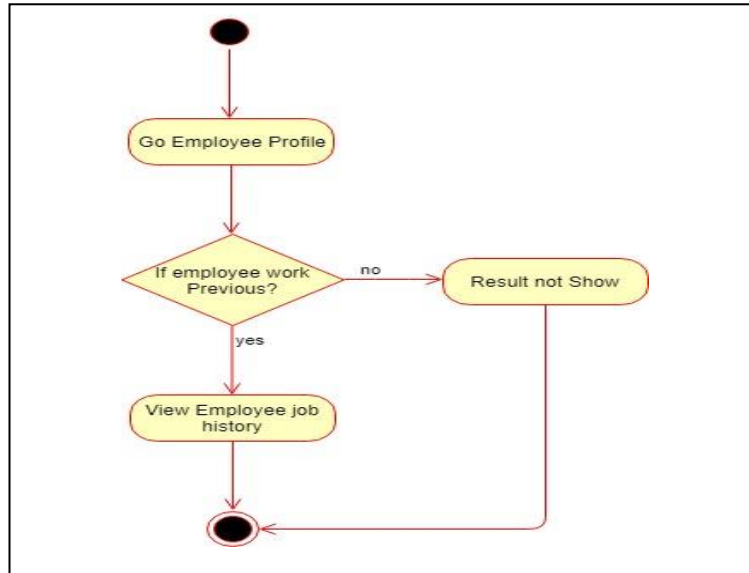
Figure 3.5: View Job History

3.1.2.   Update/ Delete post

When employer post job. But if he needs to edit or update post. He will do this easily. Now I will figure out the activity diagram below.

Figure 3.6: Update Post

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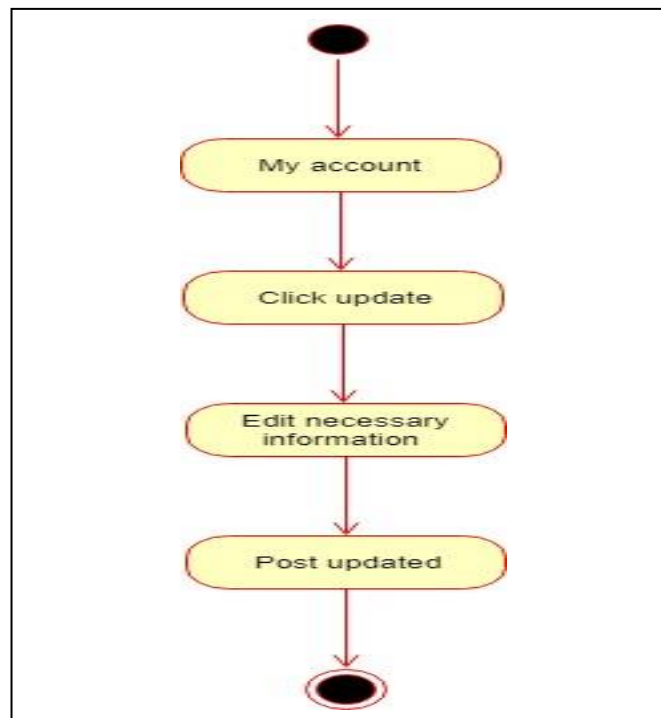
3.1.3. Download Resume

When employer select a candidate, he will able to download applicant resume. Before download resume jobseeker must apply job. Now, I will show the activity diagram of the download resume process.
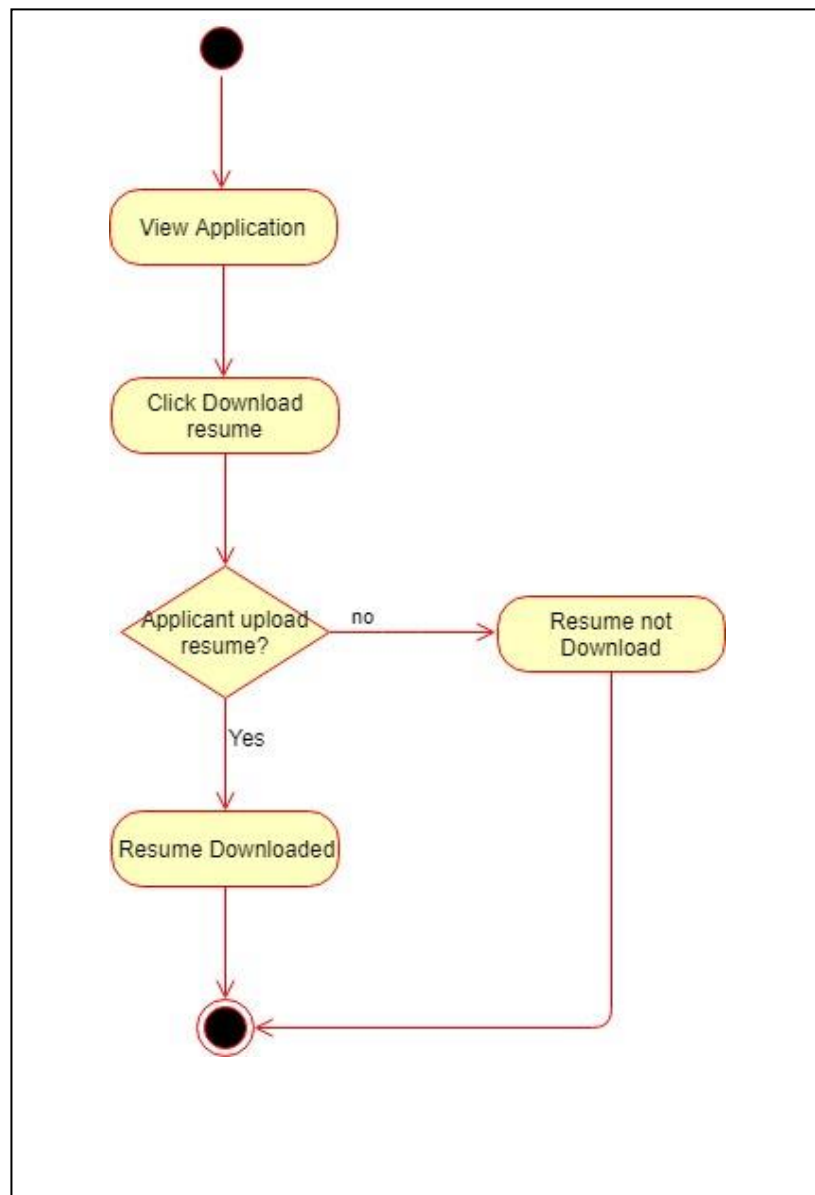
Figure 3.7: Download Resume

3.1.4. Rating to Employee

Employer can give rating to employee. When a jobseeker applies for job, then accept by employer. Finishing the job & complete payment employer give rating to employee based on his work experience behavior. Now I will figure out the activity diagram of rating to employee below.
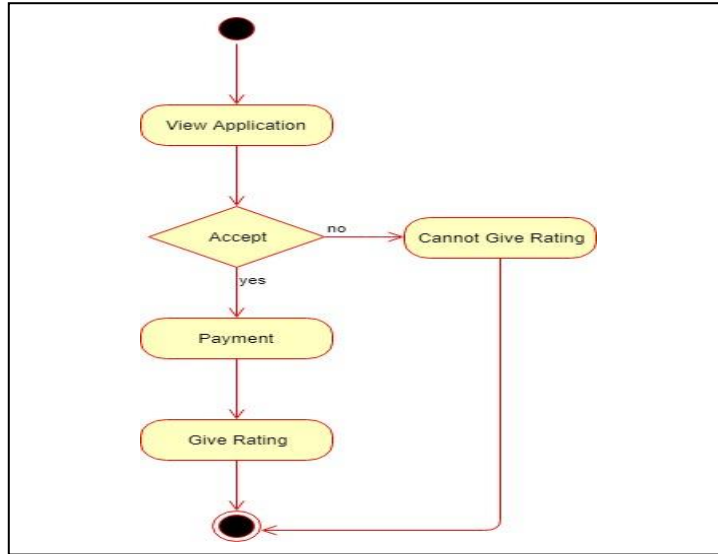
Figure 3.8: Activity diagram of Rating to Employee

3.1.5. Rating to Employer

Employee also can give rating to employer. When a jobseeker joining a job. After finishing the job employee give rating to employer based on his work experience, employer′s behavior, payment. Now I will figure out the activity diagram of rating to employer below.
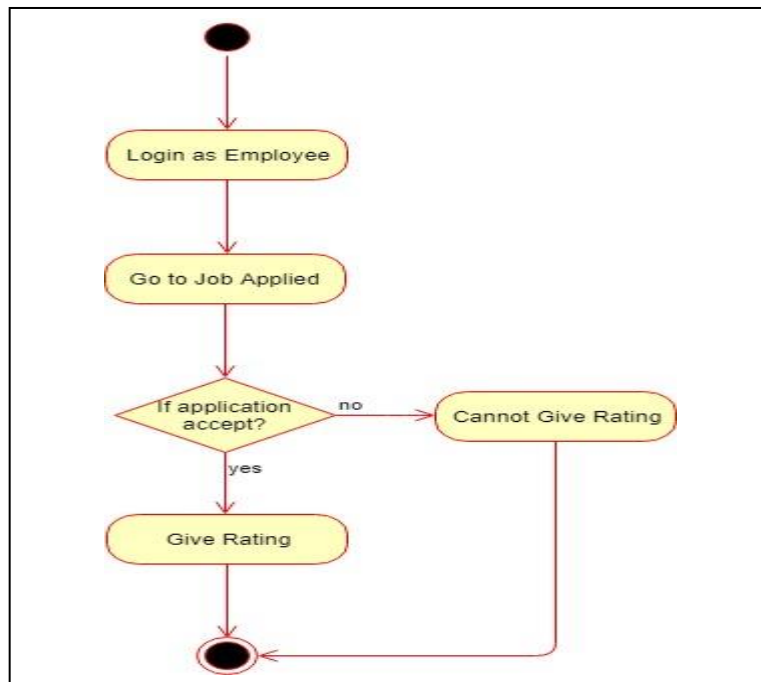
Figure 3.9: Activity diagram of Rating to Employer

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3.1.6. Update Profile Details

Jobseeker can add or update his profile details like update basic information, profile picture, educational qualification. Jobseeker login and go to my account and blow this page add / update option. Choose photo or fill up from and submitted for updated. Now I will figure out the activity diagram of how to update profile below.
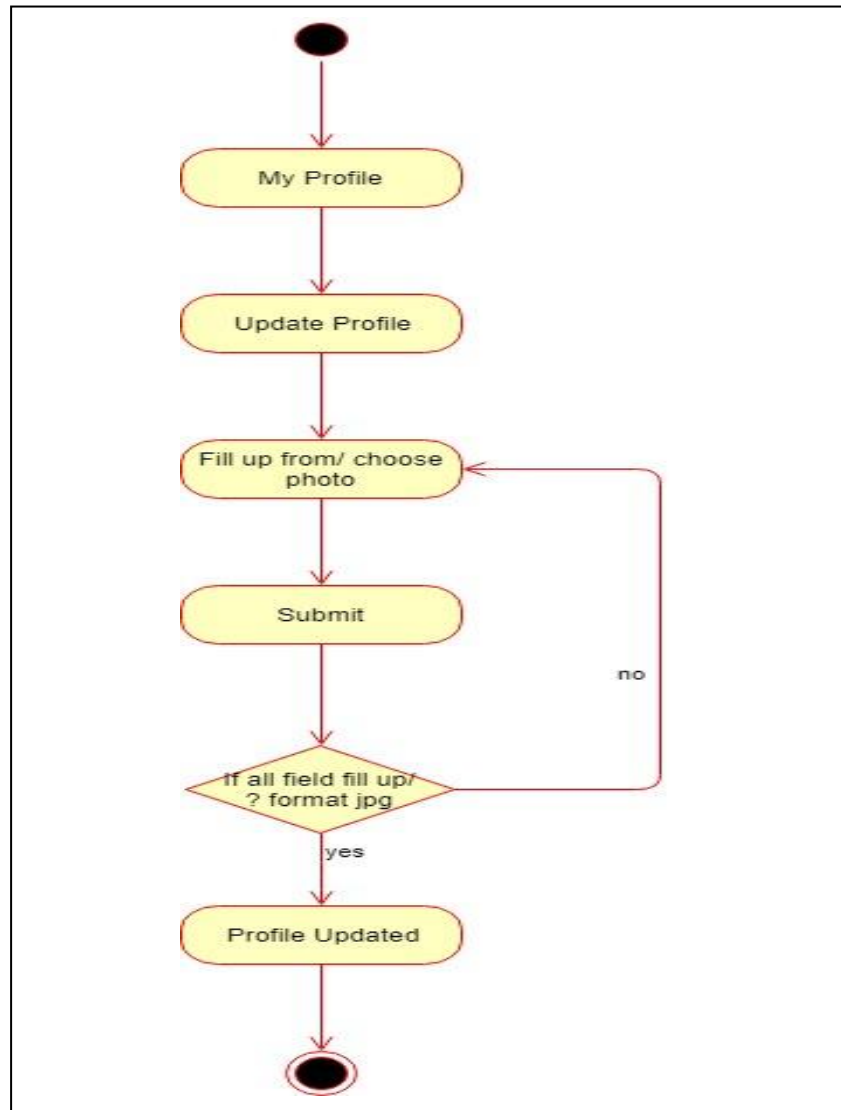
Figure 3.10: Add Educational Qualification

3.1.7. Search Job

Jobseeker can search job by typing keyword or select job category or by scroll down in our home page of our system. User type keyword in the search box & click search icon or select job category on the drop-down mane. Now I will figure out the activity diagram of search job below.
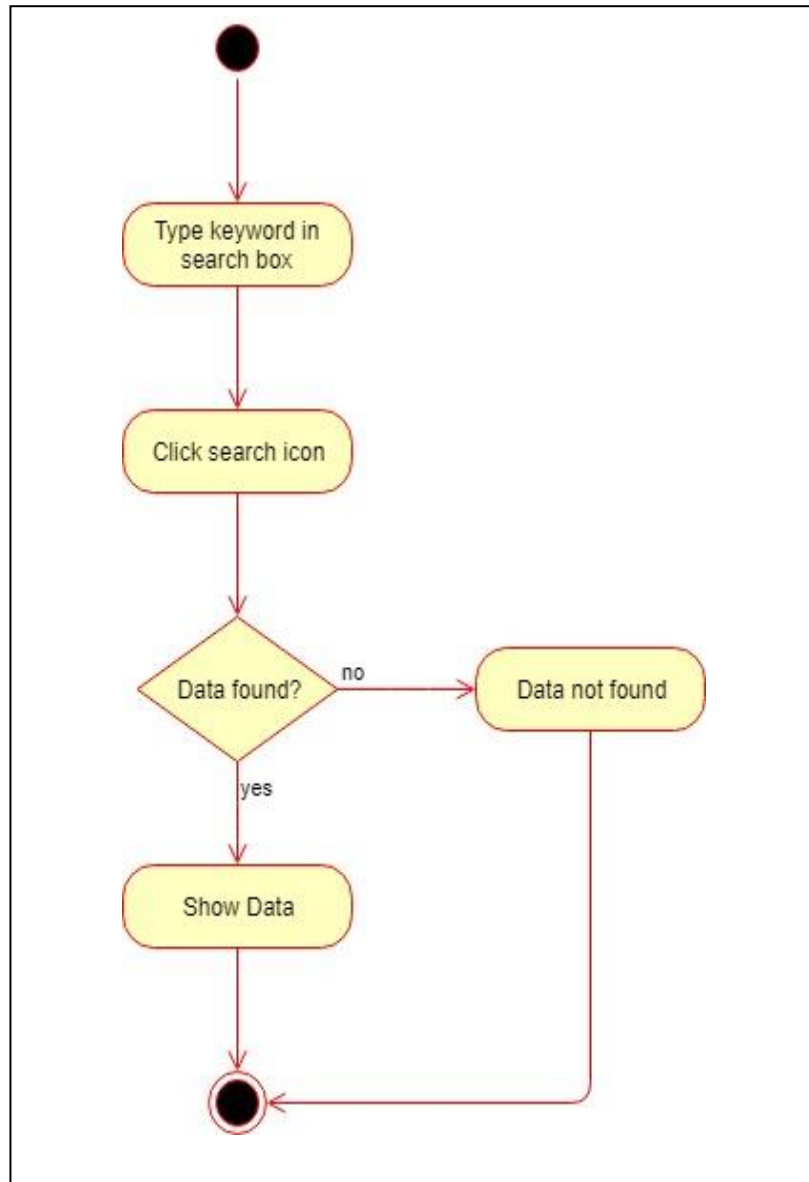
Figure 3.11: Search Job

3.4. System Sequence Diagram

Mainly sequence diagrams understand us how the data will be followed in any application. Now we are going to show some sequence diagrams.

3.4.1. Post Job

Job posed by employer
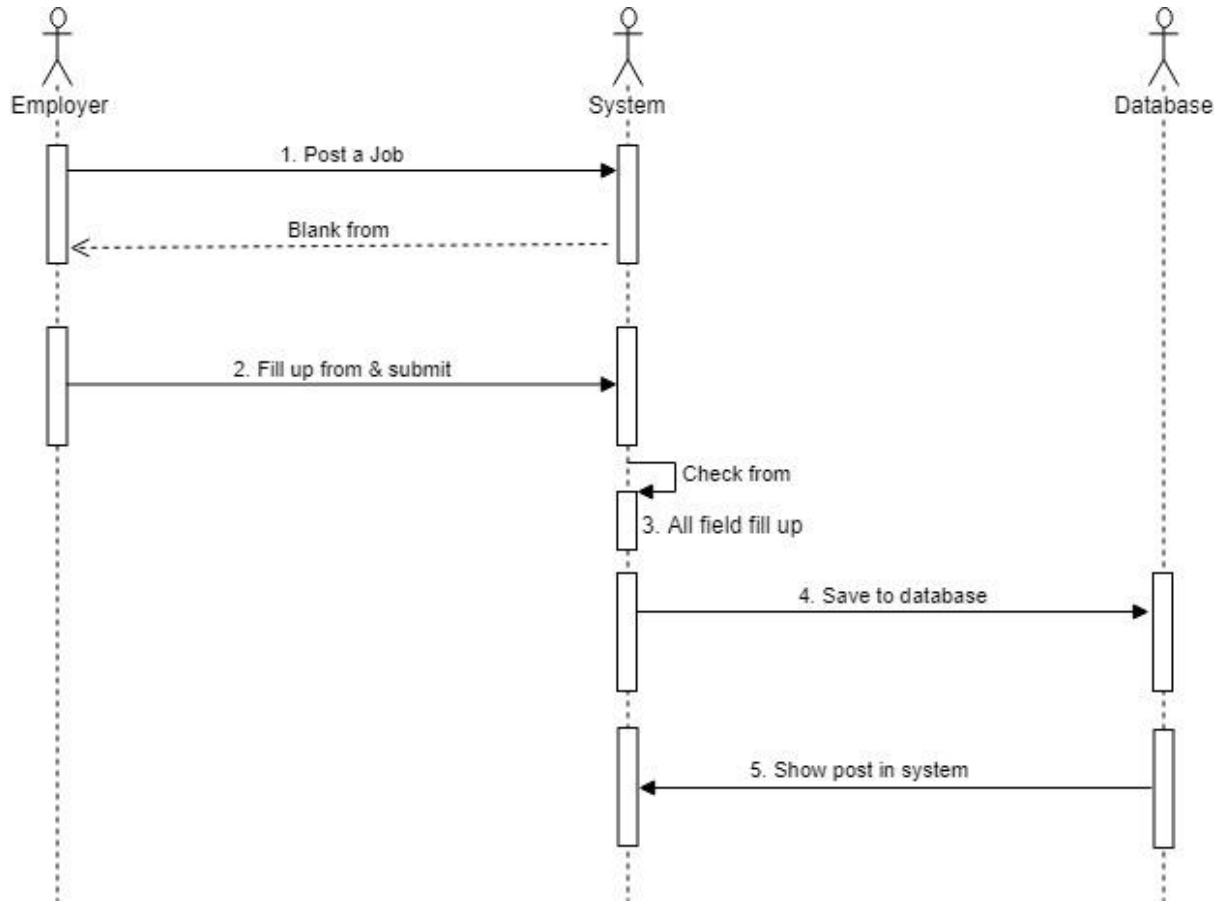
Figure 3.12: Sequence diagram of Post Job

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3.4.2. Apply job

Apply job by jobseeker. Now I will figure out the sequence diagram of apply job is given below.
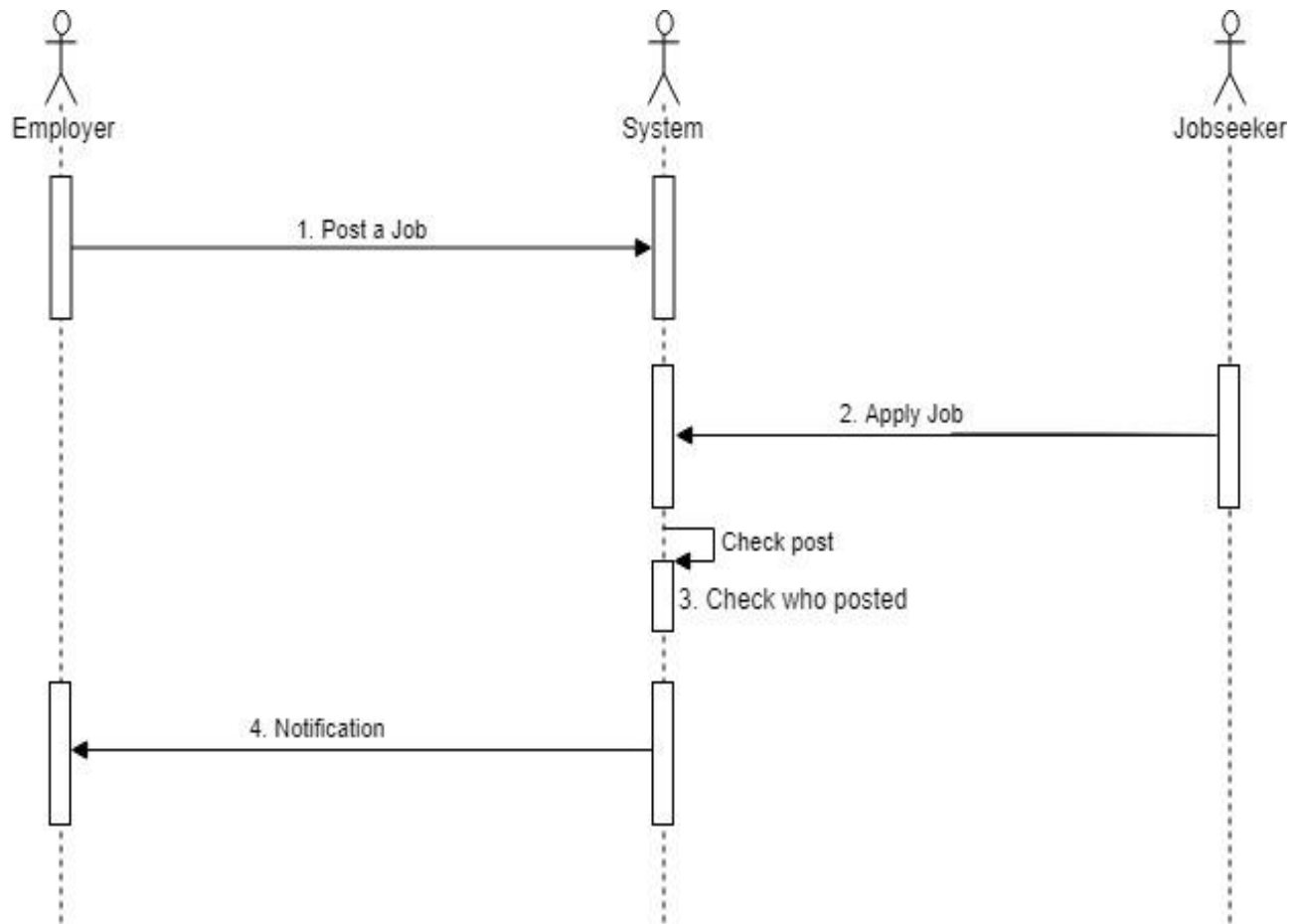
Figure 3.13: Sequence diagram of Apply Job

3.4.3. Accept/ Reject Application

Employer can accept or reject a applicant. Now I will describe the process of accept or reject by sequence diagram is given below.
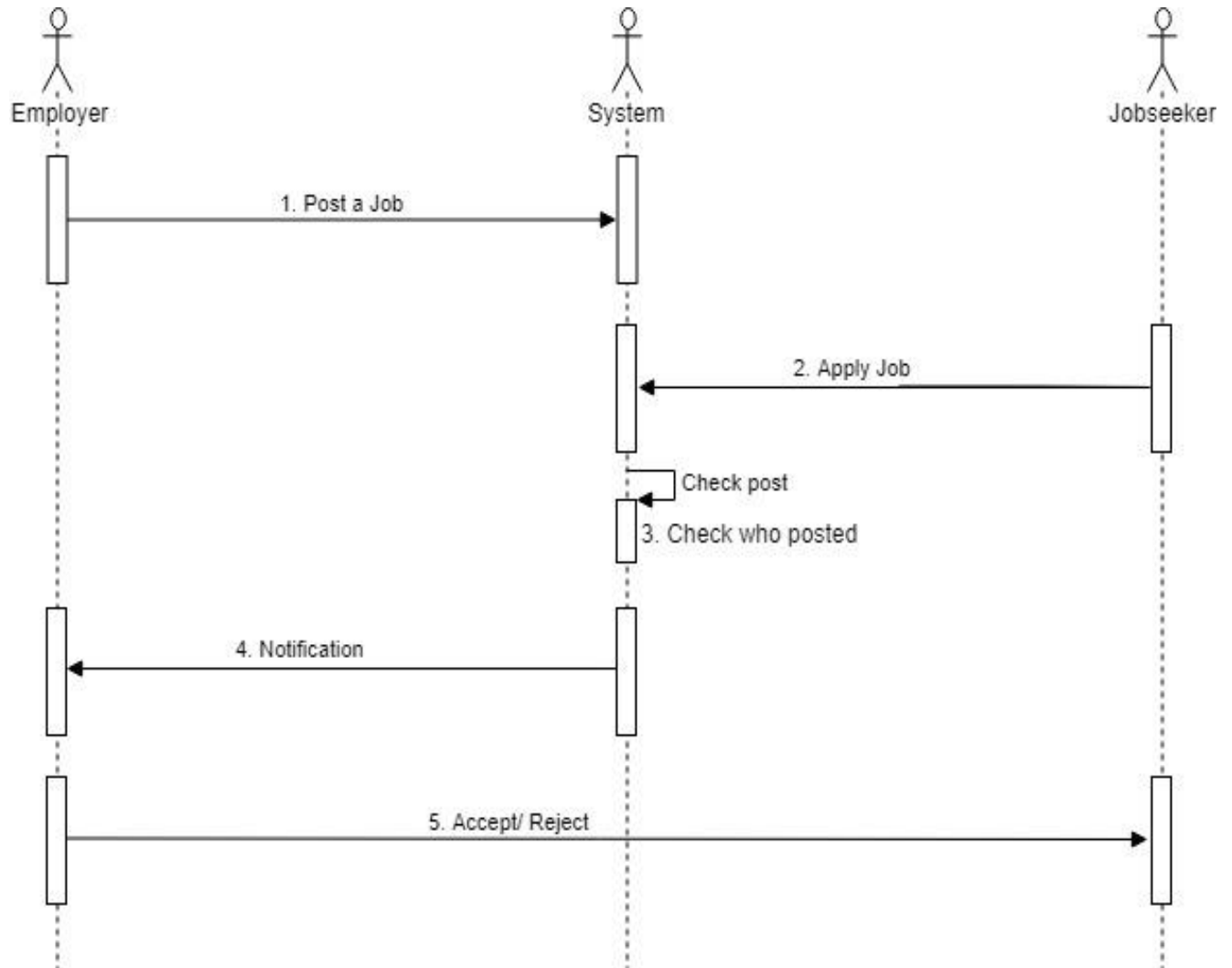
Figure 3.14: Sequence diagram Accept/ Reject Application

3.4.4. Job History

Previous job history added employee profile automatically. Employer can see any employee previous job history by visiting employee profile. Now I will figure out the sequence diagram of job history system is given below.
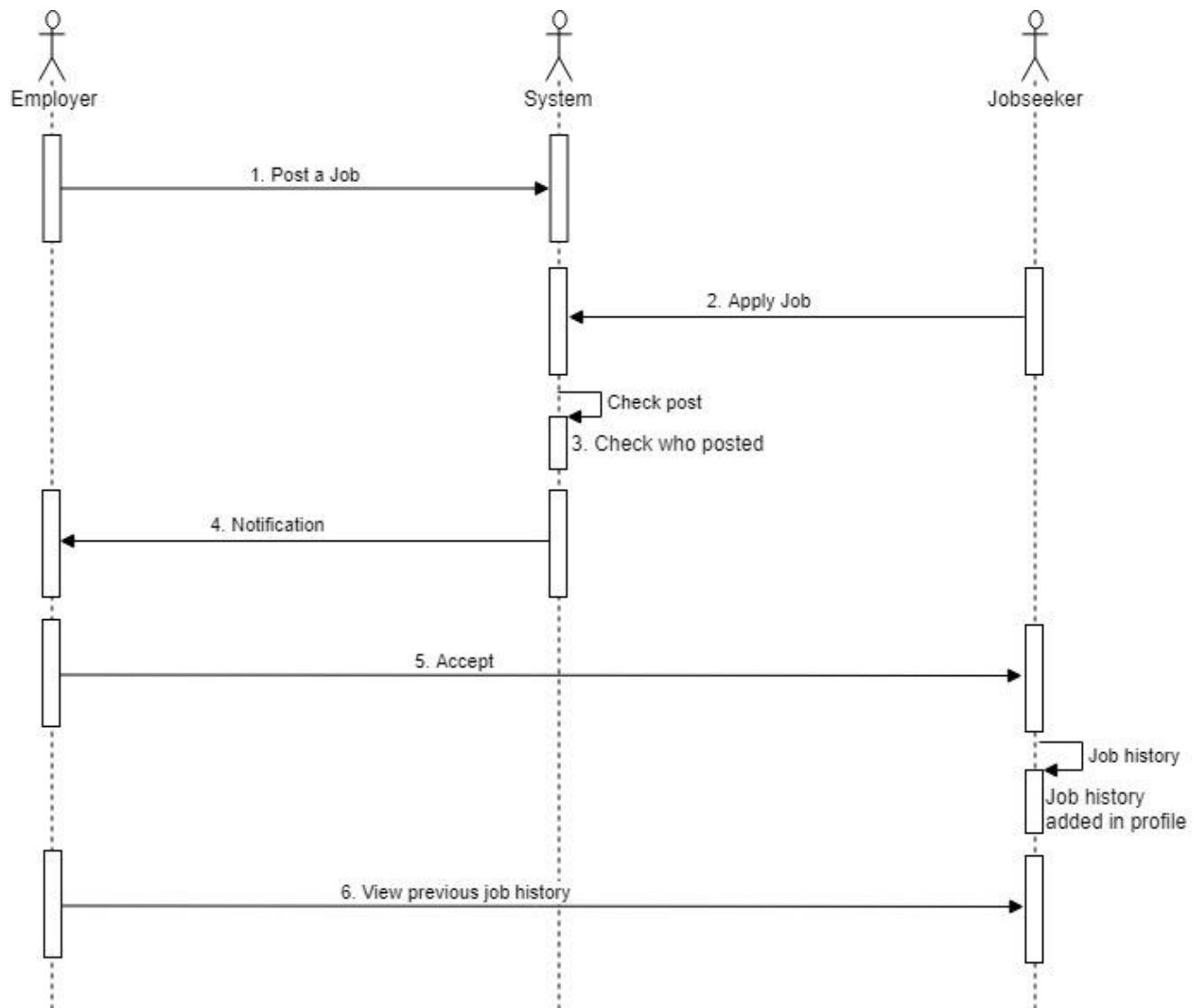
Figure 3.15: Sequence diagram Job History

3.4.5. Search Job

Jobseeker search job to find out the best job.
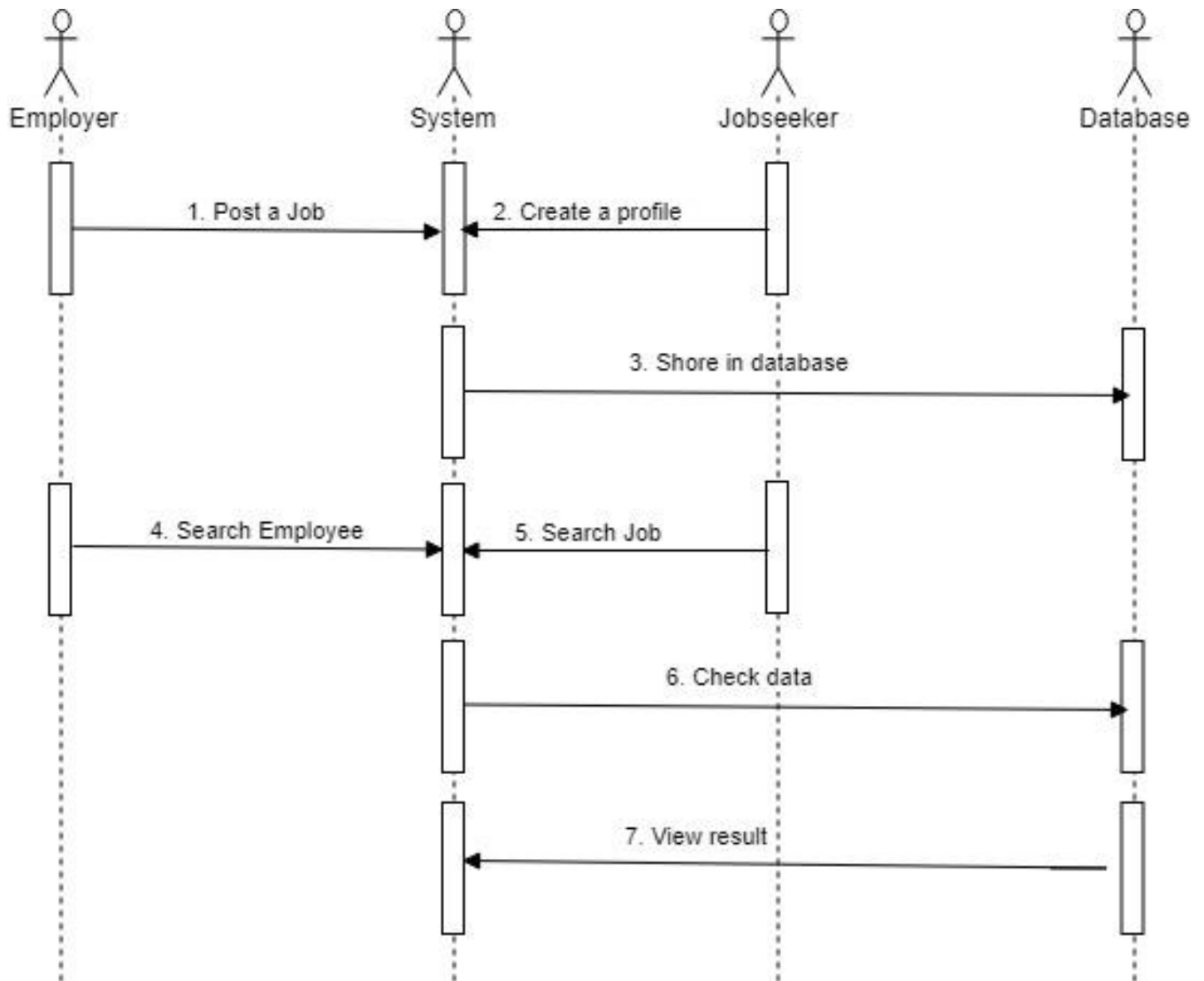
Figure 3.16: Sequence diagram how to search a job

3.4.6. Rating

Employee & Employer can give rating each other in my system. Now I will figure out the sequence diagram of rating system is given below.
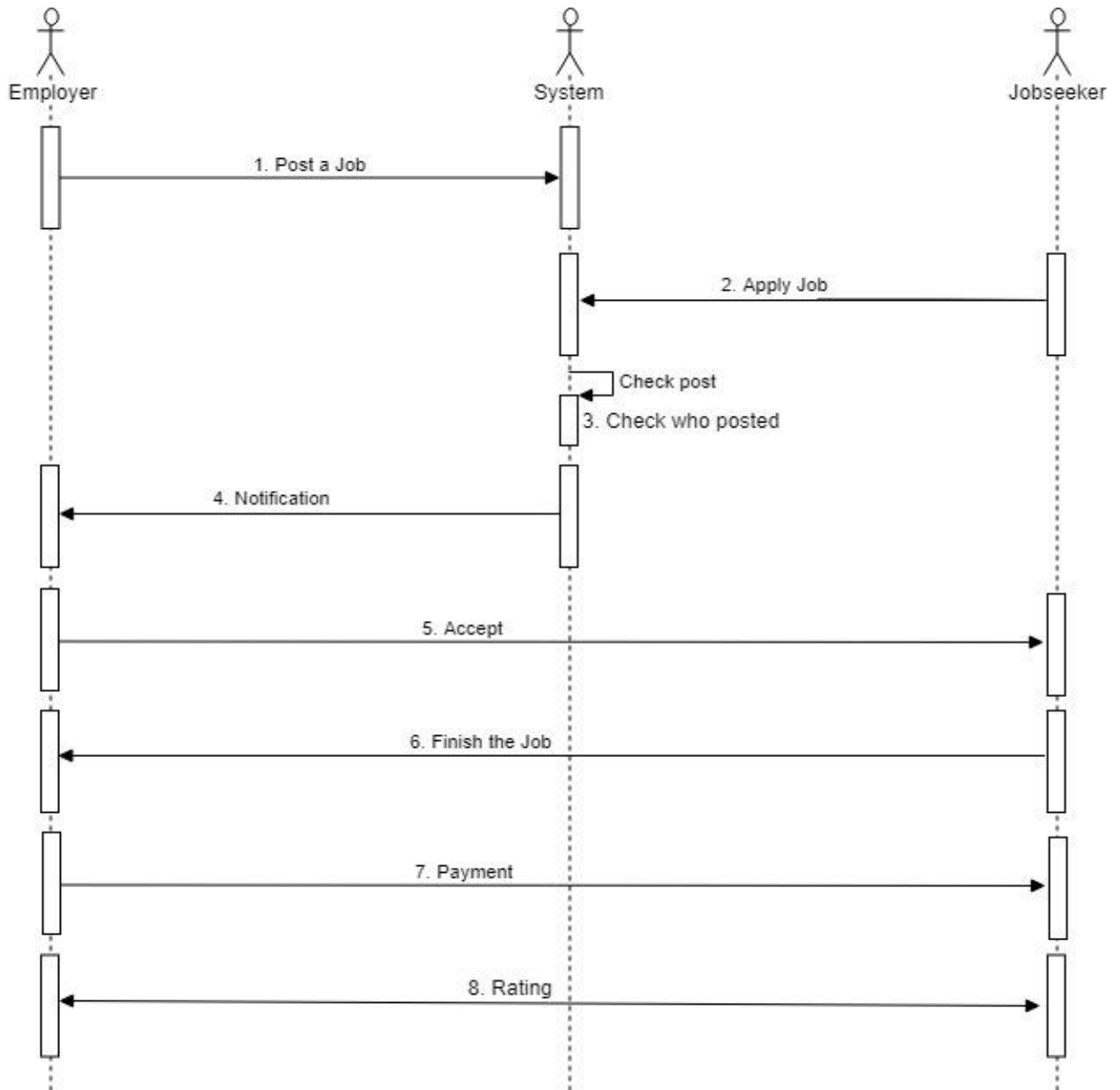
Figure 3.17: Sequence diagram of how to give rating

Chapter 4: **System Design Specification**

4.1. Class Responsibilities Collaboration (CRC) Cards

Class Responsibilities Collaboration (CRC) card is brainstorming tool which is used for easily understand class design.

4.1.1. Employer Card

Figure 4.1: CRC Card of Employee Class

4.1.2. Jobseeker Card

Figure 4.2: CRC Card of Jobseeker Class

4.1.3. Post Card

Figure 4.3: CRC Card of Post Class

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4.1.4. Apply Job Card

Apply Job	
• Apply job by jobseeker • View status	• Jobseeker • Employer

Figure 4.4: CRC Card of Apply Job Class

4.1.5. Job History Card

Job History	
• Job history add in jobseeker profile • Job history view in jobseeker profile	• Jobseeker

Figure 4.5: CRC Card of Job history Class

4.1.6. Rating Card

Rating	
• Rating given by Employer • Rating given by Jobseeker • Rating show in profile	• Employer • Jobseeker

Figure 4.6: CRC Card of Rating Class

4.1.7. Job Search Card

Job search	
• Job search by employee • Job search by category	• Employer • Post

Figure 4.7: CRC Card of Job search Class

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4.2. Sequence Diagram

4.3. Class Diagram

Employer

+ id: int
+ name: varchar
+ email: varchar
+ phone: varchar

+ registration()
+ login()
+ post job()
+ post update
+ visit employee profile()
+ rating()
- accept()
- reject()

Post

+ id: int
+ title: varchar

+ post view()
+ post update()
+ post delete()

Jobseeker

+ id: int
+ name: varchar
+ phone: varchar
+ email: varchar
+ dob: date
+ nid: varchar

+ registration()
+ login
+ apply()
+ view post()
+ update profile()
+ rating()
+ search job()

Rating

+ id: int

+ give rating()
+ calculate rating()
+ view rating()

Apply job

+ id: int
+ status: varchar

+ apply job()
+ view status()

Job_search

+ category: varchar
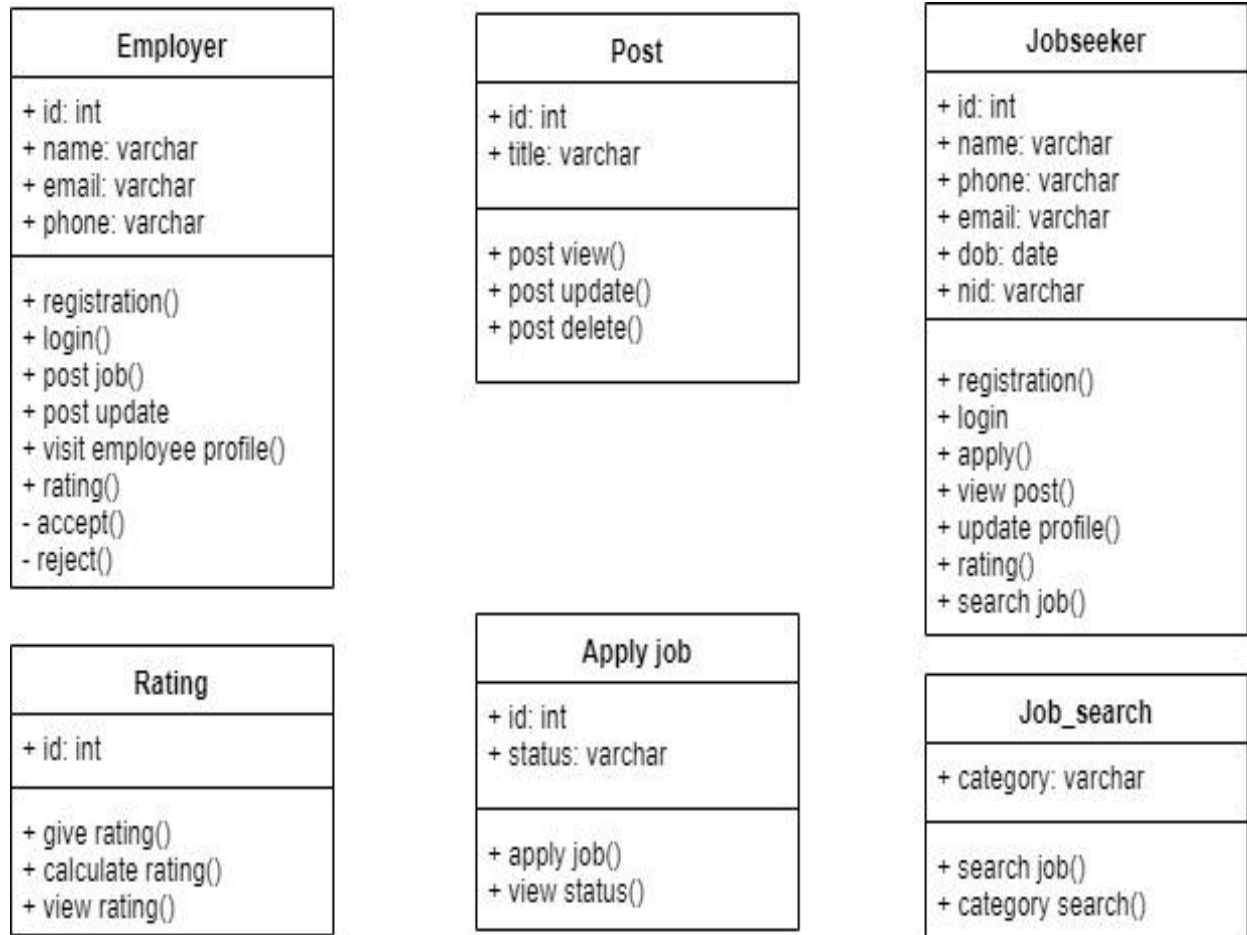
+ search job()
+ category search()

Figure 4.8: Class Diagram

4.4. Database Design Diagram

Bye draw database diagram it′s easy to understand the database design. I create a database named jobportal. I design my database & create 7 tables in database. And each table contain various attribute. Now I show my project database design diagram.
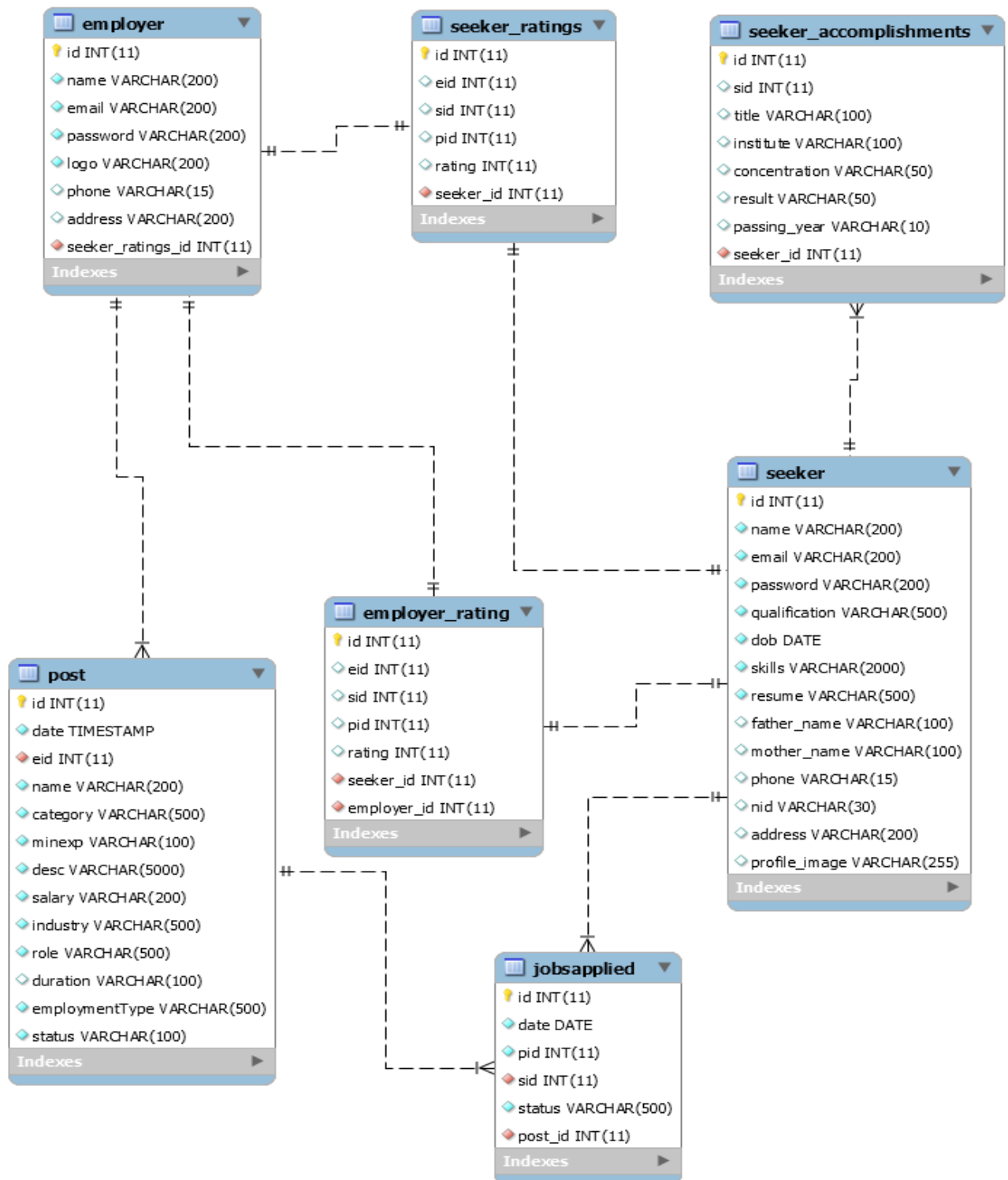

Figure 4.9: Database Diagram

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4.5. Development Tools & Technology

Software development tools are used to develop software. Now I discuss about some tool and technology which used to develop my software.

4.5.1. User Interface Technology

User interface is very importance of an application. For gain a better software user interface includes using good image, graphics, typography, style sheets, etc. Plays a vital role.

4.5.1.1. *Framework*

In my project I did not use any framework. In my project I have used server-side programming language named PHP. This is a scripting language.

4.5.1.2. *jQuery UI*

I used jQuery JavaScript library in my project because jQuery light weight & makes easier to understand and work with.

4.5.1.3. *CSS framework or Twitter Bootstrap*

After completing markup, cascading style sheets are designed. I used CSS because CSS describes the style of an HTML document. I have used Twitter Bootstrap framework. This framework is an open source front-end framework toolkit for developing with HTML, CSS, and JS. This framework supports almost every browser. Like Google Chrome, Mozilla Firefox, Opera, Internet Explorer etc. By Bootstrap easily make responsive design.

4.5.2. Implementation Tools & Platforms

It is very important to determine which tools and platforms are the best match of my requirements. After making a proper decision, I am using PHP that is a server-side scripting language.

4.5.2.1. *Integrated Development Environment*

There is a lot of PHP editors available that are maintained on Windows, Linux, and Mac and are obtainable for free download. For my project I used Sublime text & Notepad++ editor. It is a lightweight, accepted and a competing tool for the PHP editors.

4.5.2.2. *Web Server*

We have used apache server. It is free and open source server to use. It supports a wide range of features and most of them are already implemented as compiled modules. This module can extend the main features or core functionality.

4.5.2.3. *Database Server*

I used MySQL database server. It is a free to use. It supports a wide range of features and I have worked with MySQL server before. So, working with this server will be easier to me.

Chapter 5: **System Testing**

5.1. Testing Features

Feature testing can be considered as making a perfect application by change to add or modify the new functionality to the existing project. Almost every feature and functionality have different so I set a new test is written for testing purpose.

5.1.1. Features to be tested

Features	Priority	Description
Login	2	User must be authenticated by login
Logout	1	Session must be destroyed after logout
Post Job	3	Employer must post in this system properly
Apply Job	3	Jobseeker must apply against post properly
Accept/ Reject	3	Employer must accept or reject application properly
Download Resume	2	Employer download applicant resume easily
Update Jobseeker Profile	2	Jobseeker must update his own profile properly
Add Accomplishment	1	Jobseeker must add educational qualification properly
Job history Add/ View	3	Previous job history add jobseeker profile & employer must Can view job history properly.
Rating	3	Employer & jobseeker must give rating each other properly & Rating view in own profile.
Technological Features		
Database	1	Database will be used at almost every operation. So, this is why, this part must be controlled tightly.

Here, 1= Low Priority; 2= Medium Priority; 3= High Priority.

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5.2. Testing Strategies

Testing strategy is to be considered as purpose of testing process. It is also the indicator of test levels that are to be performed on the whole software development life cycle. Different kinds of testing strategies need to test.

5.2.1. Test Approach

To complete the test process, testers must take some approach. There is mainly two test approach.

- **Automation testing**: Automation testing is a name of testing technique by which test engineers prepare some scripts according to test plan and after that they use suitable tools to perform testing of the software. I test my application automatic.
- **Manual testing**: Manual testing is also a name of technique of testing by find out the bugs or vulnerability in an application. In this process, test engineers manually test and execute the test cases without having any automation tools.

5.2.1.1. Black Box Testing

Black box testing is a method by which test engineers test the software without having knowledge of the internal architecture of the application that need to be tested. Black box testing can be both functional and non-functional. Now I discuss two types of black box testing in blow.

- **Equivalent Class Partitioning**: In this technique input data is to be divided into groups. Those groups of data are expected to perform as similar behavior. The main advantage of equivalent class partitioning is to reduce the total number of test cases from infinite to finite.
- **Boundary Value Analysis**: Boundary value analysis is a name of software testing by which input data can be included within a boundary range. Following this strategy, test engineers firstly define the boundary value. After that they take a specific boundary and then write the test cases that will be go through the application for testing purpose.

5.2.1.2. White Box Testing

White box testing is opposite to the black box testing. In black box testing, the internal architecture is not known to the testers but in white box testing the software architecture is known to the tester. Here some white box testing techniques below

- Statement Coverage
- Branch Coverage
- Path Coverage

5.2.2. Pass/Fail Criteria

Pass or fail criteria will be set by the test engineers. Those data that are worked well will consider as pass criteria. And rest of input data will be considered as fail criteria. Now I will give the pass / fail criteria below.

- System crash will not be considered as pass case.
- If any criteria pass 100% times, then it will be considered as pass criteria only.
- If data can't be displayed to the application properly, then it to be considered as fail criteria.

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5.2.3. Suspension and Resumption

5.3. Testing Schedule

Test Phase	Time
Testing plan create	1 week
Test specification	2 weeks
Unit testing	During development time
Component test	1 week
Test Phase	**Time**
Integration testing	1 week
Validating use cases	1 week
Testing user interfaces	1 week
Load testing	1 week
Performance testing	1 week
Release to production	1 week

5.3.1. Traceability Matrix

Project Manager			Business Analyst Lead		
QA Lead			Target Implementation Date		
BR#	Category / Functionality / Activity	Requirement Description	Use Case Reference	Test Case Reference	Comments
BR-1	Functional	Post Job	Use case 3.1.1	Test case 5.6.2	
BR-2	Functional	Apply Job	Use case3.1.12	Test case 5.6.3	
BR-3	Functional	Search Job	Use case 3.1.16	Test case 5.6.11	
BR-4	Functional	Accept/ Reject Application	Use case 3.1.5, 3.1.6	Test case 5.6.4	
BR-5	Functional	Download Resume	Use case 3.1.8	Test case 5.6.5	
BR-6	Functional	View Job History	Use case 3.1.10	Test case 5.6.7	
BR-7	Functional	Rating	Use case 3.1.11	Test case 5.6.6, 5.6.9	
BR-8	Functional	Update Profile	Use case 3.1.14	Test case 5.6.8	
BR-9	Non functional	Reliability	N/A	N/A	

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5.4. Testing Environment

Testing environment means to prepare the environment with hardware and software so that test engineers can be able to execute test cases as required. For making the environment for testing, some key area needs to setup. Those are:

- Test data
- Database server
- Browser
- System and application
- Network

5.5. Test Cases

We know there is a chance to have some fault or break holes in any application. This is very common scenario. So proper testing must be needed. For testing our application, I have prepared some test cases. Now, I am going to provide them.

5.5.1. Log in

Test case #1			Test case name: Log in		
System: Part Time Job Portal			Sub System: Employer, Jobseeker.		
Designed by: Redwan Ahmed			Designed date: 17-April-2019		
Executed by:			Executed date:		
Short description: The registered users need to login to the application. And before that our application will check the authentication and authorization.					
Pre-conditions: • Users are always redirected to the login page whether they have not authenticated by our application while entering into the dashboard. • Assume that, the email is ′rfl@gmail.com′ and password is ′1234′					
Step	Email	Password	Expected result	Pass/Fail	Comment
1	abc@gmlo.com	420	Invalid	Pass	
2	nei@gmail.com		Password can′t be blank	Pass	
3		143	Email can′t be blank	Pass	
4	rfl@gmail.com	1234	Successfully login to the application and redirected to the dashboard	Pass	
Post-conditions: Employer, Jobseeker will successfully login to the system.					

5.5.2. Post Job

Test case #2		Test case name: Post Job		
System: Part Time Job Portal		Subsystem: N/A		
Designed by: Redwan Ahmed		Designed date: 17-April-2019		
Executed by:		Executed date:		
Short description: Employer need to post job in our system.				
Pre-conditions: • User must be authenticated by our system • User type must be employer				
Step	Action	Response	Pass/Fail	Comment
1	All information not provide/ all field not fill up.	System push employer to provide all required data to the from	Pass	
2	All required field fill up, all information provided properly	Post successfully	Pass	
Post-conditions: After providing information to the system, it will be posted in dashboard of our system.				

5.5.3. Apply Job

Test case #3		Test case name: Apply Job		
System: Part Time Job Portal		Subsystem: N/A		
Designed by: Redwan Ahmed		Designed date: 17-April-2019		
Executed by:		Executed date:		
Short description: Jobseeker needs to apply job against post in our system.				
Pre-conditions: • User must be authenticated by our system • User type must be jobseeker				
Step	Action	Response	Pass/Fail	Comment
1	User click the Apply button	Job applied successfully	Pass	
Post-conditions: After click apply button of a post, the application will be sent to employer.				

5.5.4. Accept/ Reject Application

Test case #4		**Test case name**: Accept/ Reject Application		
System: Part Time Job Portal		**Subsystem**: N/A		
Designed by: Redwan Ahmed		**Designed date**: 17-April-2019		
Executed by:		**Executed date**:		
Short description: Employer accept or reject application in our system.				
Pre-conditions: • User must be authenticated by our system • User type must be employer				
Step	**Action**	**Response**	**Pass/Fail**	**Comment**
1	Employer click accept option	"Accepted" view in application status bar	Pass	
2	Employer click reject option	"Rejected" view in application status bar	Pass	
3	Employer not click any option	"Sent" view in application status bar	Pass	
Post-conditions: After accept or reject application, employer select candidate & jobseeker get a notification of his application status.				

5.5.5. Download Resume

Test case #5		**Test case name**: Download Resume		
System: Part Time Job Portal		**Subsystem**: N/A		
Designed by: Redwan Ahmed		**Designed date**: 17-April-2019		
Executed by:		**Executed date**:		
Short description: Employer need to download applicant resume.				
Pre-conditions: • User must be authenticated by our system • User type must be employer • Jobseeker must apply against post.				
Step	**Action**	**Response**	**Pass/Fail**	**Comment**
1	Employer click download resume option	A doc file is downloading.	Pass	
Post-conditions: After download applicant resume employer see applicant uploaded full resume.				

5.5.6. Rating to Employee

Test case #6		Test case name: Rating to employee		
System: Part Time Job Portal		Subsystem: N/A		
Designed by: Redwan Ahmed		Designed date: 17-April-2019		
Executed by:		Executed date:		
Short description: Employer needs to give a rating to employee.				
Pre-conditions: - User must be authenticated by our system - User type must be employer - Jobseeker must apply against post & accepted by employer				
Step	Action	Response	Pass/Fail	Comment
1	Employer give rating 7	System push employer to value must less than or equal 5	Pass	
2	Employer give rating 0	System push employer to value must greater than or equal 5	Pass	
3	Employer give rating 4	Rating given	Pass	
Post-conditions: After give rating to employee, employer publishes his satisfaction of employee. Employee gets a rating on his profile.				

5.5.7. View Job History

Test case #7		Test case name: View Job history		
System: Part Time Job Portal		Subsystem: N/A		
Designed by: Redwan Ahmed		Designed date: 17-April-2019		
Executed by:		Executed date:		
Short description: Employer needs to see jobseeker previous job history				
Pre-conditions: User must be visiting our system				
Step	Action	Response	Pass/Fail	Comment
1	Employer visit jobseeker profile	In jobseeker profile employer see jobseeker previous job history.	Pass	
Post-conditions: After view jobseeker previous job history employer get an idea on employee for selection candidate.				

5.5.8. Add Accomplishments

Test case #8		Test case name: Add Accomplishments	
System: Part Time Job Portal		Subsystem: N/A	
Designed by: Redwan Ahmed		Designed date: 17-April-2019	
Executed by:		Executed date:	
Short description: Employee need to add his educational qualification on his profile.			
Pre-conditions: • User must be authenticated by our system • User type must be Jobseeker			
Step	Action	Response	Pass/Fail	Comment
1	All field not fill up.	System push employer to fill out the all field	Pass	
2	All required field fill up, all information provided properly	Accomplishments details added	Pass	
Post-conditions: After add accomplishments jobseeker provide his Educational Qualification.			

5.5.9. Rating to Employer

Test case #9		Test case name: Rating to employer	
System: Part Time Job Portal		Subsystem: N/A	
Designed by: Redwan Ahmed		Designed date: 17-April-2019	
Executed by:		Executed date:	
Short description: Employee needs to give a rating to employer.			
Pre-conditions: • User must be authenticated by our system • User type must be employer • Employer must accept application.			
Step	Action	Response	Pass/Fail	Comment
1	Employee give rating 7	System push employee to value must less than or equal 5	Pass	
2	Employee give rating 0	System push employee to value must greater than or equal 5	Pass	
3	Employee give rating 5	Rating given	Pass	
Post-conditions: After give rating to employer, employee publishes his satisfaction of employer. Employee gets a rating on his profile for his behavior, payment.			

5.5.10. Job History Add/ View

Test case #10		Test case name: Job history Add/ View			
System: Part Time Job Portal		Subsystem: N/A			
Designed by: Redwan Ahmed		Designed date: 17-April-2019			
Executed by:		Executed date:			
Short description: When Employer accept an application job history add employee profile automatically.					
Pre-conditions: • User must be authenticated by our system • User type must be employer • Jobseeker must apply against post.					
Step	Action	Response	Pass/Fail	Comment	
1	Employer reject application	Job history not added employee profile	Pass		
2	Employer don't accept or reject application	Job history not added employee profile	Pass		
3	Employer accept application	Job history added employee profile	Pass		
Post-conditions: After add job history in employee profile. Then a employee will show his experience, for get a better job & employer easily selection candidate.					

5.5.11. Search Job

Test case #11		Test case name: Search Job			
System: Part Time Job Portal		Subsystem: N/A			
Designed by: Redwan Ahmed		Designed date: 17-April-2019			
Executed by:		Executed date:			
Short description: Jobseeker can search job by category, type keyword.					
Pre-conditions: • User visit our website					
Step	Action	Response	Pass/Fail	Comment	
1	Type Accounting job & click search icon	Bank related job are shown	Pass		
2	Select IT Jobs in Job by category box & search	IT related job are shown	Pass		
Post-conditions: After search job a jobseeker find out his better job for carrier.					

Chapter 6: **User Manual**

6.1. Login System

User need to login to our system for using this website. But before that they need to be authenticated by our application. First of all, they need to go to the login page and fill up the required information. After that they will get access. Now I will provide the screenshot of login page below.
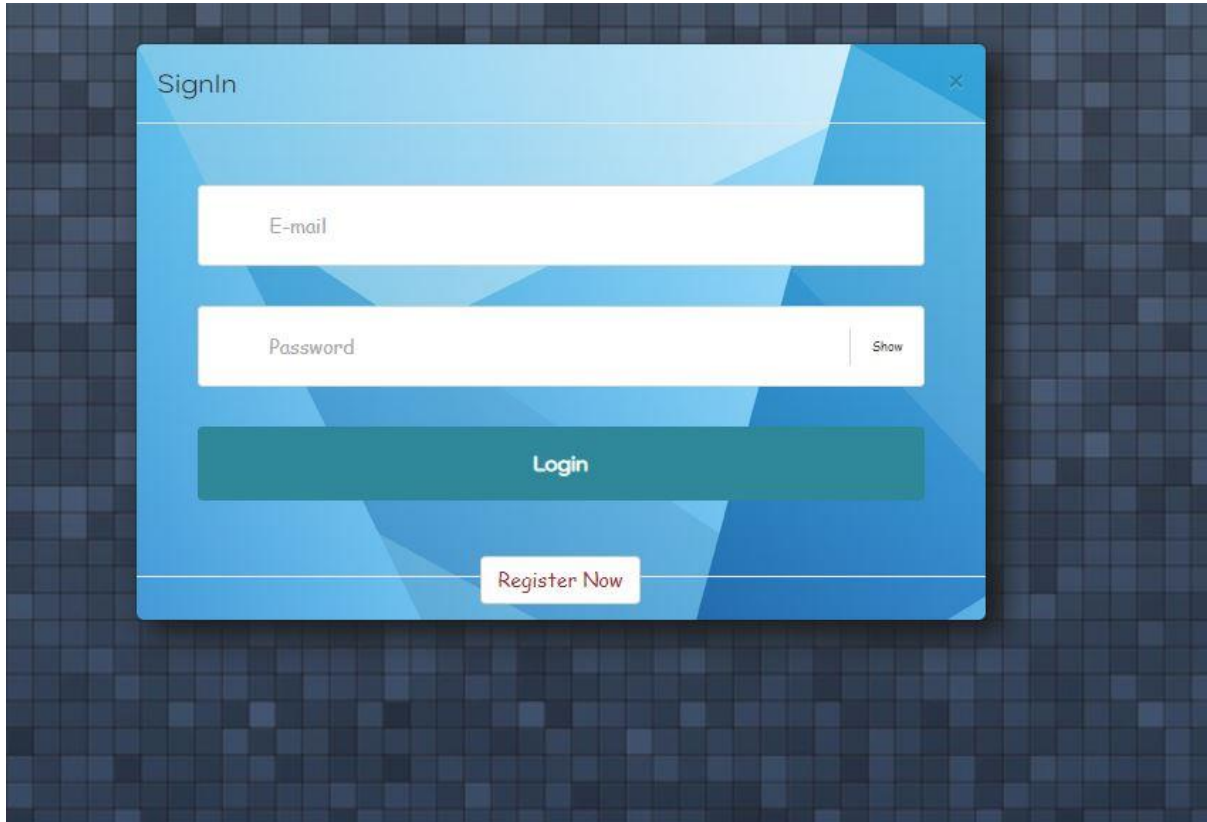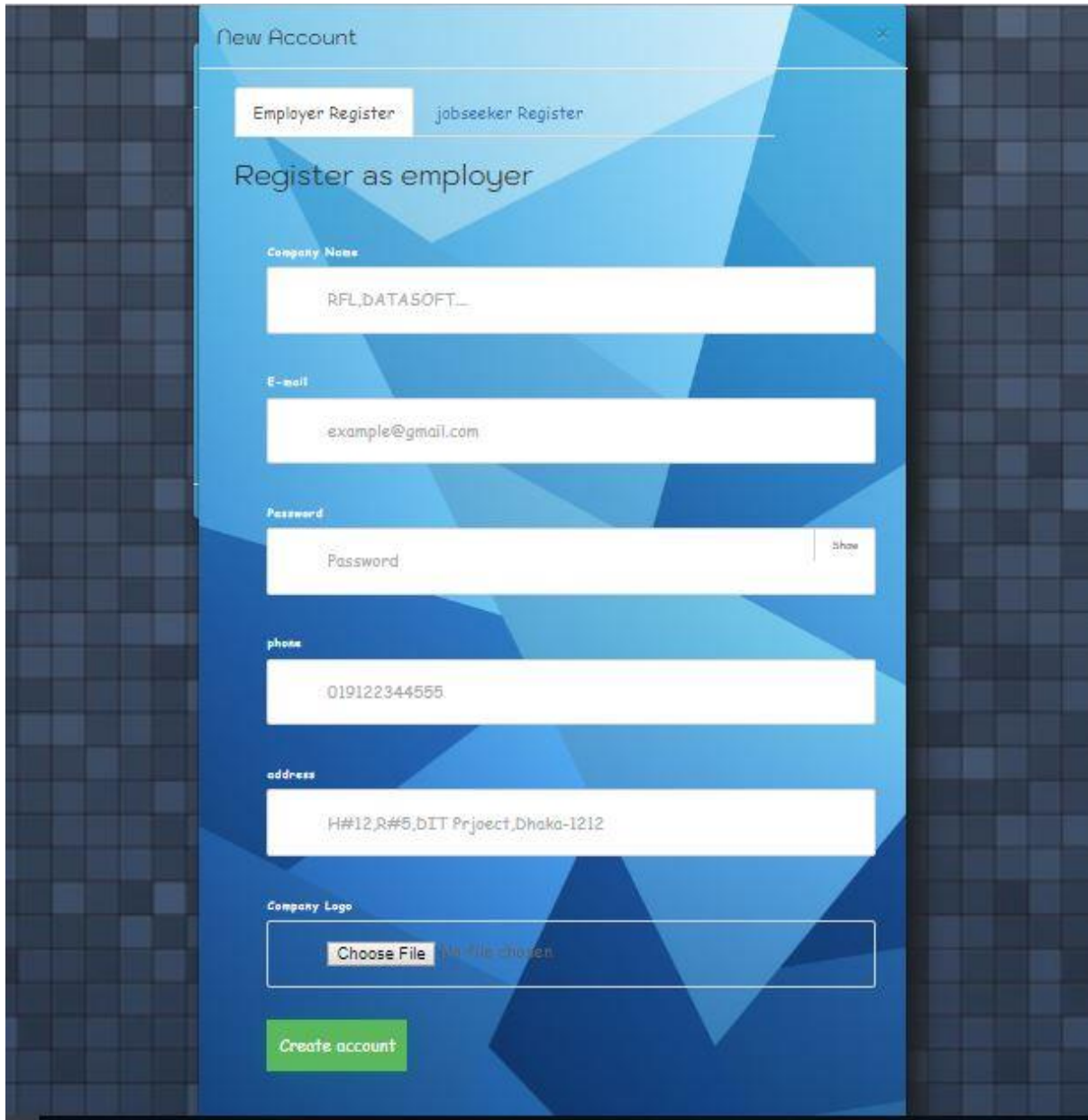
Figure 6.1: Login page

6.2.   How can Employer Registration

Employer need to login first to get access to our all features. But if the user has not signed up before then they need to employer register to our system first. For registration purpose, user needs to go to the registration page & select employer register. After that, they need to provide necessary information which as required. And create an account. Then employer able to login to our system. Now I will provide the snapshot of the employer registration page below.

Figure 6.2: Employer Registration page

6.3. Jobseeker Registration page

Jobseeker need to login first to get access to our all features like apply job, search job, upload resume etc. But if the user has not signed up before then they need to jobseeker register to our system first. For registration purpose, user needs to go to the registration page & select jobseeker register. After that, they need to provide necessary information which as required & create an account. Jobseeker upload his resume when register. Then jobseeker able to login in our system. Now I will provide the snapshot of the employer registration page below.
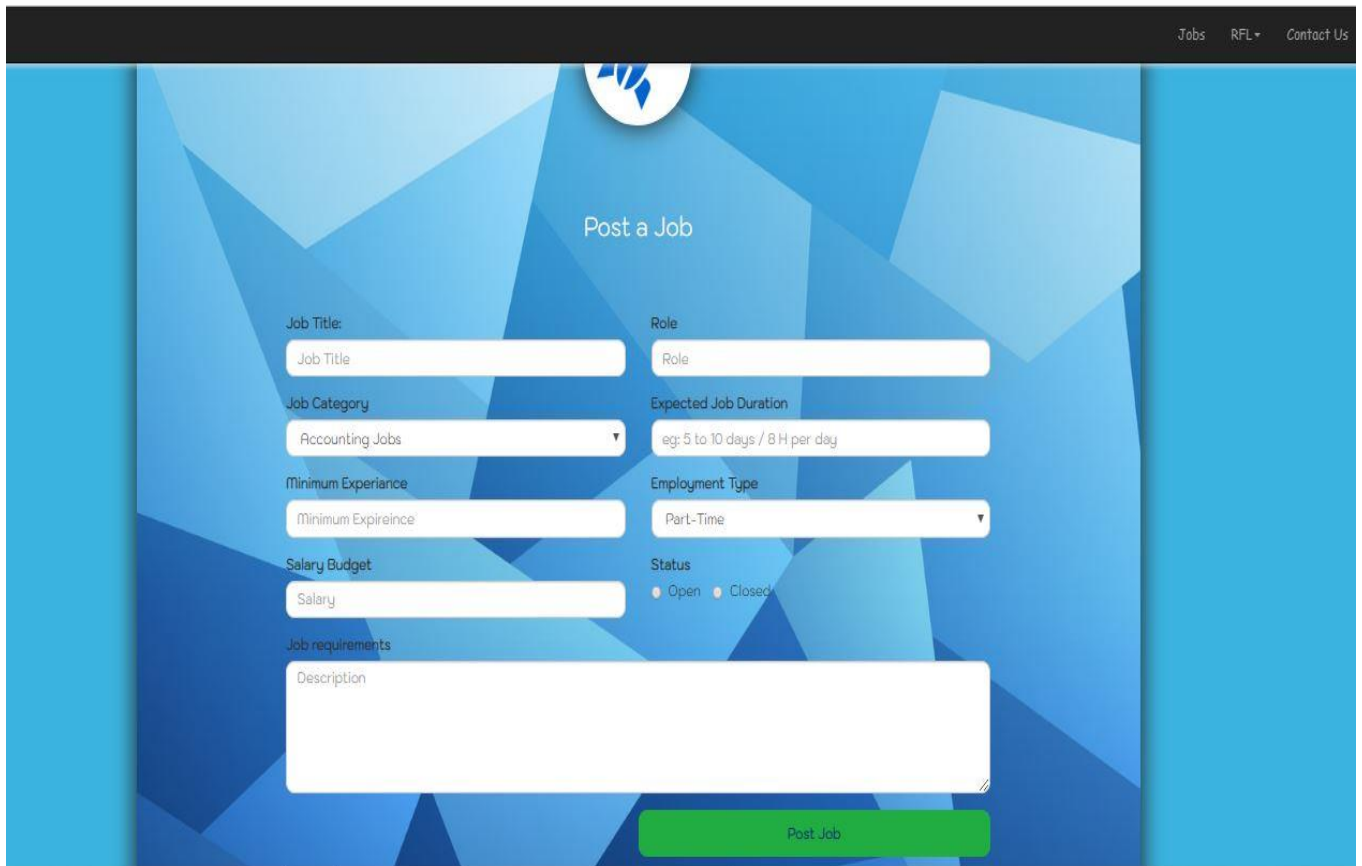
Figure 6.3: Jobseeker Registration page

6.4.   How the Employer can Post a Job

Employer can post job for need employee for vacancy. Employer click username & view a drop-down menu then choice post a job option. Employer get a from about job post. Employer give all necessary information & fill up from properly. Then employer clicks ″Post Job″ button. If post successfully employer get successfully message. Now I will provide the snapshot of the employer post a job below.

Figure 6.4: Post Job page

6.5. Procedure of Update/ Delete Post

Employer can update post if needed. Employer click username & view a drop-down menu then choice My Account option. In My Account page employer get a list of his job posted. Employer can update or delete like needed by clicking update or delete option. If employer need delete post he just clicks delete option & ok for confirmation. Then post deleted. If employer need update post he click update option & get from like post a job. Edit all necessary information in from properly. Then employer clicks Post Job. If update successfully employer get successfully message. Now I will provide the snapshot of the update/ delete page below.

Figure 6.5: Update/ Delete Post page

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6.6. Download Resume

Employer can download applicant resume. Before download resume jobseeker must apply against post. Employer click username & view a drop-down menu then choice View Application option. Employer get an applicant list. Now employer able to download applicant resume by clicking ″Download resume″ option. Now I will provide the snapshot of the download resume page below.
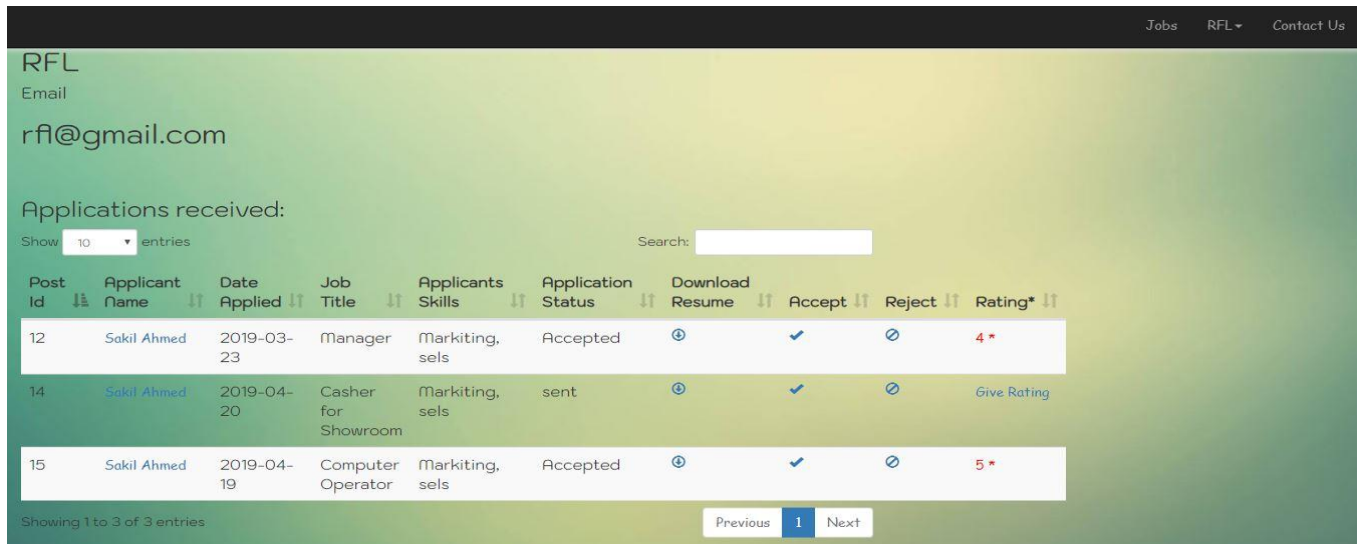
Figure 6.6: Download Resume page

6.7. Accept/ Reject Application procedure

Employer accepts or rejects application. Before accept or reject jobseeker must apply against post. Employer clicks username & view a drop-down menu then choice View Application option. Employer gets an applicant list. Now employer accept or reject by clicking Accept; Reject option. Then click ″ok″ for confirmation. Status bar shown the accepted, rejected information. Now I will provide the snapshot of the accept or reject page below
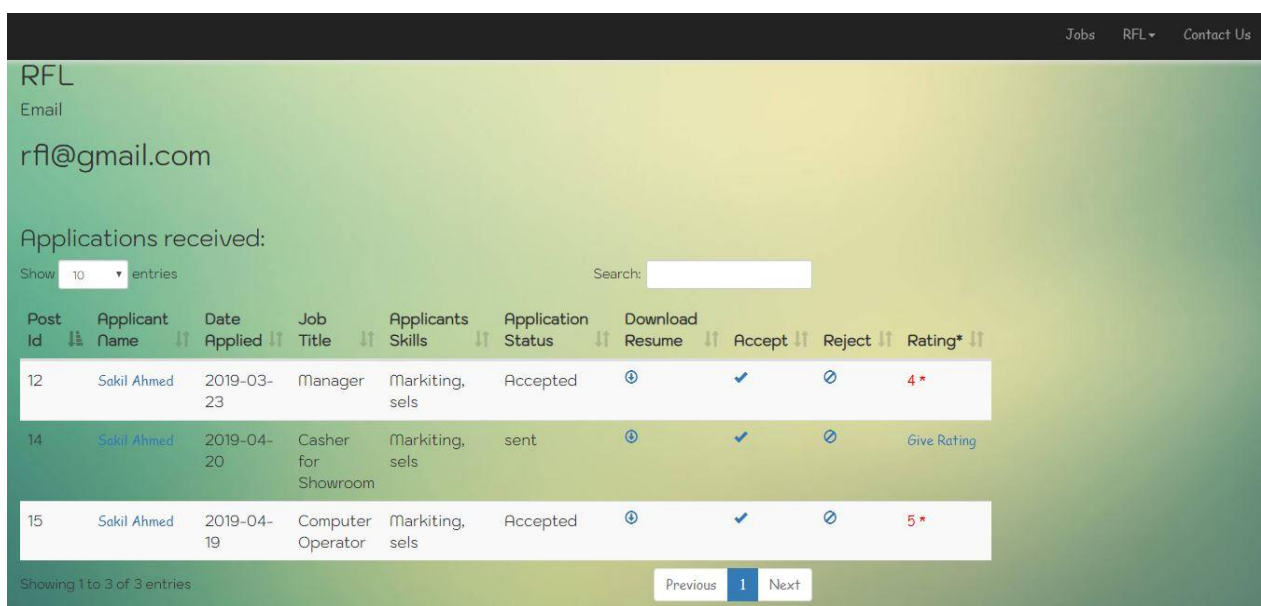
Figure 6.7: Accept/ Reject Application page

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6.8.   How Employer give Rating to Employee

Employer can give rating to employee. Before given rating, jobseeker must apply against post. Employer clicks username & view a drop-down menu then choice View Application option. Employer gets an applicant list. Now employer accepts application by clicking Accept option. If employer accept application then employer can give rating to employee by clicking ″Give Rating″. Then he goes to rating page, now type or select rating number. Rating number type must be 1 to 5 & click the radio box ″I am agree″ and submit. Now I will provide the snapshot of the rating to employee page below.
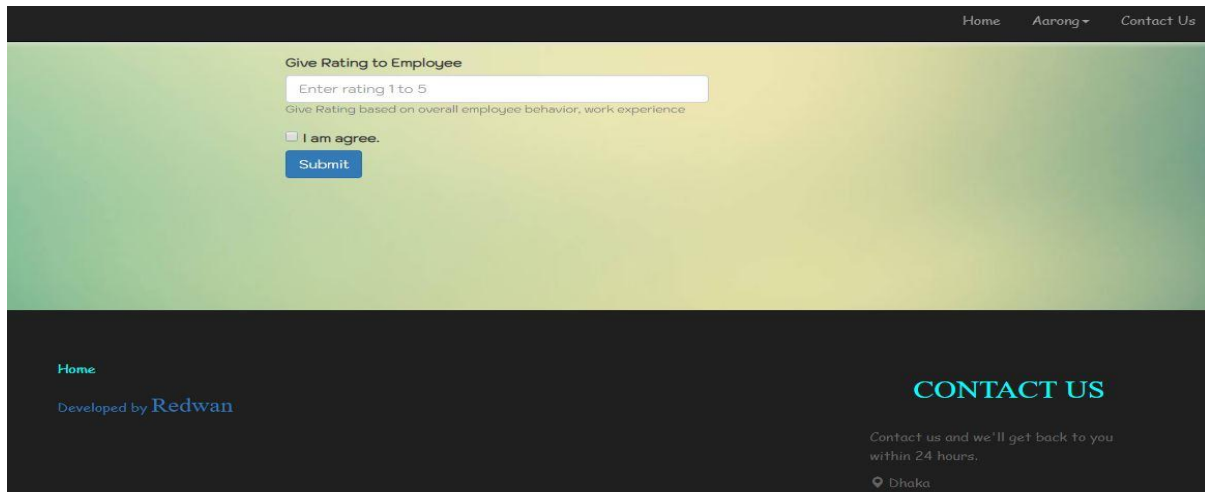
Figure 6.8: Rating to Employee page

6.9.   How Employee Give Rating to Employer Procedure

Jobseeker can give rating to employer. When jobseeker apply a job and if employer accept the application then employer give rating to employer. Employee clicks username & view a drop-down menu then choice Job Applied option. Employer gets an application list already he applies that. Now click ″Give rating″ that application is accepted by employer. Then he goes to rating page, now type or select rating number. Rating number type must be 1 to 5 & click the click box ″I am agree″ and submit. Now I will provide the snapshot of the rating to employer page below.
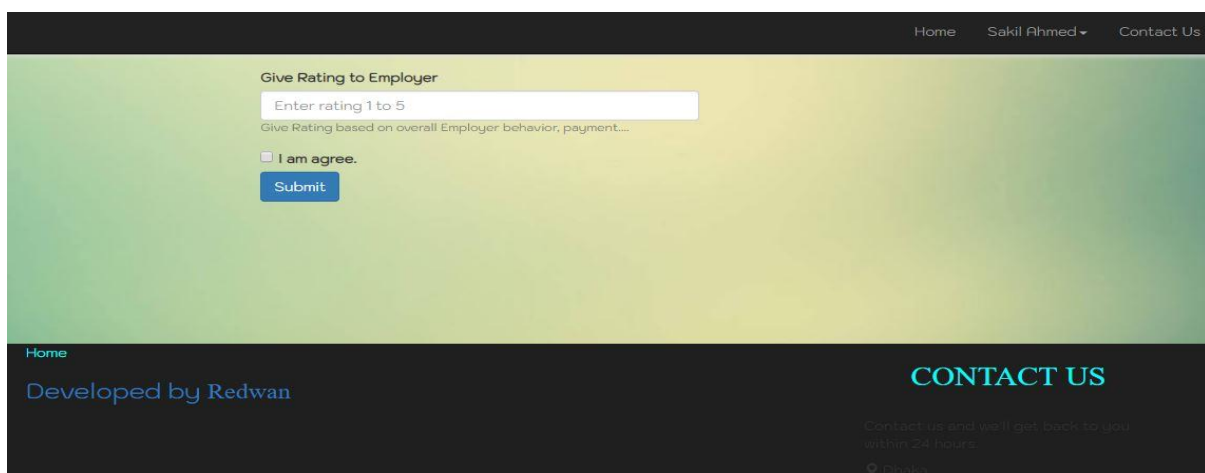
Figure 6.9: Rating to Employer page

6.10. How Jobseeker can Apply Job

Jobseeker apply for need a job. When Employer post a job. Jobseeker see this post in home page. If jobseeker want apply, just click the call to action button ″Apply″. Jobseeker can apply in home page & also can apply visit post details. If apply successfully jobseeker get a message. Now I will provide the snapshot of the apply page below.

Figure 6.10: Apply Job

6.11.   How Jobseeker can Update Profile

Jobseeker can update profile & profile picture if any needed. Jobseeker click username & view a drop-down menu then choice My Profile option. Jobseeker get his profile. Now jobseeker can update profile by clicking update profile image, update info. When click update profile image jobseeker get image upload option. Choice image & submit. When jobseeker click update info then he gets a from. Now jobseeker edit, fill up from as he like & submit. Now I will provide the snapshot of the Update Profile procedure below.

Figure 6.11: Update Profile

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6.12.   How to Add Jobseeker's Educational Qualification

Jobseeker can add educational qualification. Jobseeker click username & view a drop-down menu then choice My Profile option. Jobseeker get his profile. Now jobseeker can add qualification by clicking "Add" button in accomplishments table. When click jobseeker get a from, now jobseeker fill out all field submit. Now I will provide the snapshot of the Add accomplishments page below.

Figure 6.12: Add Accomplishments

6.13. How Jobseeker View their Application Status

Jobseeker can see his application status. Jobseeker clicks username & view a drop-down menu then choice ″Jobs Applied″ option. Jobseeker gets his application list already he applies that. And see application status like accepted, rejected or sent status in status columns. Now I will provide the snapshot of the Application Status page below.

Figure 6.13: View Application Status page

Chapter 7: **Project Summary**

7.1.   GitHub Link
https://github.com/Redwanahmedrajib/Part-Time-Job-Portal

7.2.   Project Summary

I have started to develop this project from January. After that I have proposed the design. And then start my work. I have designed the database diagram. After that, I have prepared user interface html pages. The interface of my project is very simple and easy to understand. After completing that, I have started to write the core functionality of the project.

And then I work for the important task is testing. It is also known as quality assurance also.

7.3.   Limitations

For developing this project, I have faced some limitations like.

Payment Method: In my project, there is not having any payment method directly by user cannot make their payment through our application. Only web base desktop application: We have desktop version for part time job portal web platform. So, to using our system user need desktop or laptop and must connected to internet.

7.4.   Obstacles & Achievements

For finishing this project, I face big challenges. Before starting this project, I didn′t know the proper flow of software development life cycle. By developing this project, I have learnt to know how to have a row requirement from clients, system analysis, database design and many things. My supervisor helps me a lot from the very beginning of the development of this project. There are some other obstacles and achievements also like Rating & Job history. I face a big problem to do rating. In our community employer assigned an employee after interview. That was the big challenge for me.

7.5.   Future Scope

I will do this project for Android OS and for iOS platform in future. So that this project can reach more people. Also, I will add approval system for Employer registration and payment system after finishing job.

7.6.   References

I have gained some knowledge from some platforms. For making my project successful those resources help me a lot.

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