SWE 1 Project (Phase I)

1- Print **2** copies of this cover sheet, attached it with printed copy of the SRS, and SDD documents. You also have to attach a CD for documents softcopy as pdf.
2- Please write all your names **in Arabic**
3- Please make sure that your ID is correct
4- Attendance Handwritten Signature should be filled in the 2 copies **before** discussion

Project Name: Online Job Site.

Team Information *(Printed by Computer)*:

	ID [**Ordered by ID**]	Full Name [**IN ARABIC**]	Attendance Handwritten Signature	Final Grade
1	20150350	عمر جمال لحظى عبدالمتعال		
2	20150319	عبدالفتاح رمضان عبدالفتاح		
3	20150324	عبد الله طارق رشاد طه		
4	20150345	على مدحت السيد على		
5	20150325	عبد الله محمد كمال عبد الحميد		
6				

Grading Distribution:

Items	Grade	Notes
Functional requirements	1	
Nonfunctional requirements	1	
Block diagram	1	
Usecase diagram	1	
Class diagram	1	
Databasse tables	1	
Sequence diagram	1	
Activity diagram	1	
Tractability matrix	1	
OverAll document (Product functions, Class descriptions..etc)	1	

Instructor Signature:

_____
10

1.Introduction

1.1 Purpose

The Purpose of this document is to provide a detailed description for "Online Recruitment job site". It will illustrate the purpose and complete declaration of development of the system. The document is intended to be proposed to a customer for its approval and reference for devolving the system.

1.2 Scope

This project Online Recruitment job site is an online website in which jobseekers can register themselves online, upload their CV apply for job. Online Recruitment job site provides online help to the users and make it possible for companies to post their job requirements and view profiles of interested candidates and help the companies decide the perfect one for the job.

Module in this project:

1. Administrator
2. Employer (Job seeker)
3. Company

1.3 Over view

Interface Requirements: This section will describe major components of the system, interconnections, and external interfaces.

General Description: This section will describe the functions of actors, their roles in the system and the constraints faced by the system.

2. General Description

2.1 Product Functions

The users of the site can Register, Edit, Delete or Log in to their account to view the recent uploaded jobs by other companies or companies can add jobs. The Employee can view Advices of other people who had experience Also Can Search the site for jobs depend on the user input. They can upload his/her CV to Apply for a job that submitted by other companies which are registered in the site.

2.2 User Characteristics

There are three types of users that interact with the system: Employee who use the system to apply for a job, Companies who use the system to add job and administrators. Each of these three types of users has different use of the system so each of them has their own requirements.

The employee (job seeker) use the system to register on it, upload his/her CV on the site, can add favorite jobs to his list, apply for a job and search for job, choose a Job from that search and then see all the requirement for it.

The companies use the site to register on it, add job by adding the title of the job and Vacancies for the job and the requirement, can see employee's (job seeker's) CV who apply for job, can accept or reject the employee (job seeker).

The Administrator can maintain the site, approve/delete companies that are registered.

2.3 General Constraints

The Internet connection is also a constraint for the site. Since the site can only be accessed via a browser and need internet connection to collect data from the database over the Internet, it is crucial that there is an Internet and web browser.

3. Functional Requirements

3.1 Account Management

3.1.1

1. Register
2. the user should be able to register through the site. The user must provide user-name, password and e-mail address. The user can choose to provide a regularly used phone number.
3. To use most of the features of the site the user must register.

3.1.2

1. Login
2. Given that a user has registered, then the user should be able to log in to the site. The log-in information will be stored on the phone and in the future, the user should be logged in automatically.
3. To use most of the features of the site the user must register.

3.2 Company Management

3.2.1

1. Add Jobs.
2. Given that a company has registered, the company can add job. The company should provide the job title, salary, Vacancies, filed of the job and the requirement of the job.
3. To be able to add job so that users can apply for the job.

3.2.2

1. View Employee's (Job seeker's) CV.
2. Given that a company has registered, the company can view job seeker's CV to see if it met the requirement
3. To be able to verify the CV.

3.2.3

1. Accept Employee.
2. Given that a company has registered, can view CV then Accept it or rejected if accepted the company contact the job seeker for the interview.

3.3 Employee Management

3.3.1

1. Search for Jobs.
2. The user doesn't have to be registered on site to search for a job he can search job according to his qualification or can search manually or search according the filed he interested in.
3. To be able to find Job that the user interested in.

3.3.2

1. Apply for Jobs.
2. Given that a user has registered, the user will be able to view jobs, view the job information (title, salary, vacancies …etc.) and apply for the job.
3. To be able apply for finding a job

3.3.3

1. Upload CV.
2. Given that a user has registered, the user will be able to Upload his/her CV to his account or Upload CV for job.
3. Needed to know the qualification of the job seeker that help in search and applying for a job.

3.3.4
1. Select Favorite jobs.
2. Given that a user has registered and applied for multiple jobs they are add to a list of his Favorite jobs or jobs that he is interested in.
3. So, that the user can find the jobs he applied for and the jobs he interested in.

3.3.5
1. View Advices & Comments.
2. The user doesn't have to be registered on site to view Advices that are submitted by the companies to give people some experience in making resume, CV and how to act in interview.

3.4 Administrator management

3.4.1

1. Remove Jobseeker/company
2. The Admin can remove jobseeker/company from database and they must be registered

3.4.2

1. Approve jobseeker/company
2. The admin can approve jobseeker/company who registered so they need to wait admin approval to use the site feature.

3.5.1 use case diagram
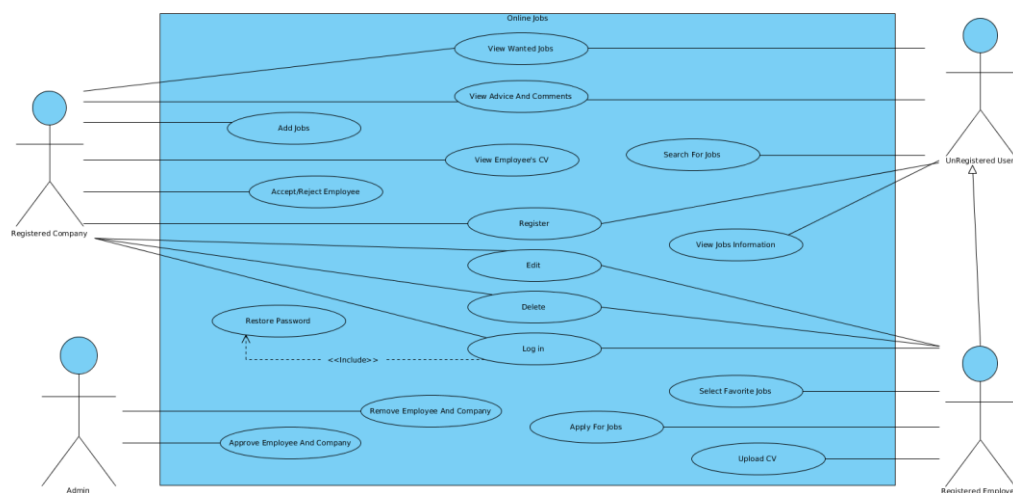
3.5.1 use case description

Use Case	Register Account
Actors	1)Registered Employee 2)Unregistered User 3)Registered Company
Pre Condition	1)open web App 2) open Register page
Basic Flow	Information: 1)Enter First Name 2)Enter Last Name 3)Enter Birth Day 4)Enter Country 5)Enter Gender 6)Enter Phone Number 7)Upload Profile Picture (optional) 8)Enter Username 9)Enter Password 10)Re-Enter Password 11)Enter Security Question
Alternative flow	Validation : 1) First-last Name (String 20) 2) Phone Number (Code phone) 3) User name (Ex@Ex.com)
Post Condition	1)Register Successful 2)Open Home Page

Use Case	Delete Account
Actors	1)Registered Employee 2)Registered Company
Pre Condition	1) Open WebApp 2) Log in 3) Enter Edit Page
Basic Flow	1) Delete Account
Alternative Flow	
Post Condition	Delete Account Successful

Use Case	Upload CV
Actors	1) Registered Employee
Pre Condition	1) Open WebApp 2) Login
Basic Flow	Upload CV
Alternative Flow	File Not Found
Post Condition	CV uploaded

Use Case	View Wanted Jobs
Actors	1) Registered Company 2) Unregistered Company 3) Registered Employee
Precondition	1) Open Home Page
Basic Flow	1)See The Wanted Jobs
Alternative Flow	Job not found
Postcondition	For Registered Employee: 1) Add to Favorite Jobs 2) Apply for it

Use Case	Add Jobs
Actors	Registered Company
Precondition	1) Log in
Basic Flow	1) Add Job Name 2) Free places for job 3) Salary for Job 4) Field of The Job
Alternative Flow	1) Job Name(String) 2) Salary&Free places(number)
Postcondition	Job is Added

27/3/2017

Use Case	View Employee's CV
Actors	Registered Company
Precondition	1) Log in 2) Employee uploaded CV
Basic flow	Choose CV
Alternative Flow	
Postcondition	CV viewed

Use Case	Accept/Reject CV
Actors	Registered Company
Precondition	Accept: 1) Log in 2) CV meet the Requirement Reject: 1) Log in 2) CV doesn't meet the Requirement
Basic flow	1) Accept / Reject CV
Alternative flow	
Postcondition	Accept/Reject CV Successful

Use Case	Approve Employee/Company
Actors	Admin
Precondition	1) Log in 2) Employee/Company Registered
Basic Flow	Approve Employee / Company
Alternative Flow	
Postcondition	Approve Employee/Company Successful

Use Case	Remove Employee / Company
Actors	Admin
Precondition	1) Log in 2)Employee/Company Registered
Basic Flow	Remove Employee / Company
Alternative Flow	
Postcondition	Remove Employee/Company Successful

27/3/2017

Use Case	Edit Account
Actors	Registered Company Registered Employee
Pre Condition	1) Registered 2) Log in 3) Open Edit Page
Basic Flow	1) First Name 2) Last Name 3) Phone Number 4) Profile Picture 5) User Name 6) Password 7) Submit Editing
Alternative Flow	Validation: 1) First - Last Name (Max String 18) 2) Phone Number (Code + Phone) 3) User Name (Example@Example.com)
Post Condition	Edit Successful Open Home Page

Use Case	Log in
Actors	Registered Company Registered Employee
Pre Condition	Registered successfully
Basic Flow	1) Enter The User Name 2) Enter The Password 3) Log in
Alternative Flow	1) User Name Not Found 2) Password Wrong
Post Condition	Log in Successful Open Home Page

Use Case	Restore Password
Actors	Registered Company Registered Employee
Pre Condition	Registered successfully
Basic Flow	1) Answer The Security Question 2) Enter The New Password 3) Re-Enter The New Password
Alternative Flow	Wrong Security Question Answer
Post Condition	Restore Password Successful Log in Again Open Home Page

Use Case	View Advice And Comments
Actors	Registered Company Unregistered User Registered Employee
Pre Condition	Open Home Page
Basic Flow	1) Read Comments 2) Write comments
Alternative Flow	
Post Condition	Comment Successful

Use Case	Search For Jobs
Actors	Unregistered User Registered Employee
Pre Condition	For Registered Employee : Log in
Basic Flow	Filter The Job
Alternative Flow	Job Not Found
Post Condition	View Searched Jobs

Use case	View Jobs Information
Actors	UnRegistered User Registered Employee
Pre Condition	Open Home page
Basic Flow	1) Search For Jobs. 2) Choose The Job. 3) View Job Information.
Alternative Flow	Job Not Found
Post Condition	Job Information Viewed

Use Case	Select Favorite Jobs
Actors	Registered Employee
Pre Condition	Log in
Basic Flow	1) Search For Jobs 2) Select The Job 3) Show The Information 4) Add To Favorite Jobs
Alternative Flow	Job Not Found
Post Condition	Added Successful

Use Case	Apply For Jobs
Actors	Registered Employee
Pre Condition	Log in
Basic Flow	1) Search For Job 2) Select Job 3) Apply For Job
Alternative Flow	Job Not Found
Post Condition	Applied Successfully

3.5.2 class diagram
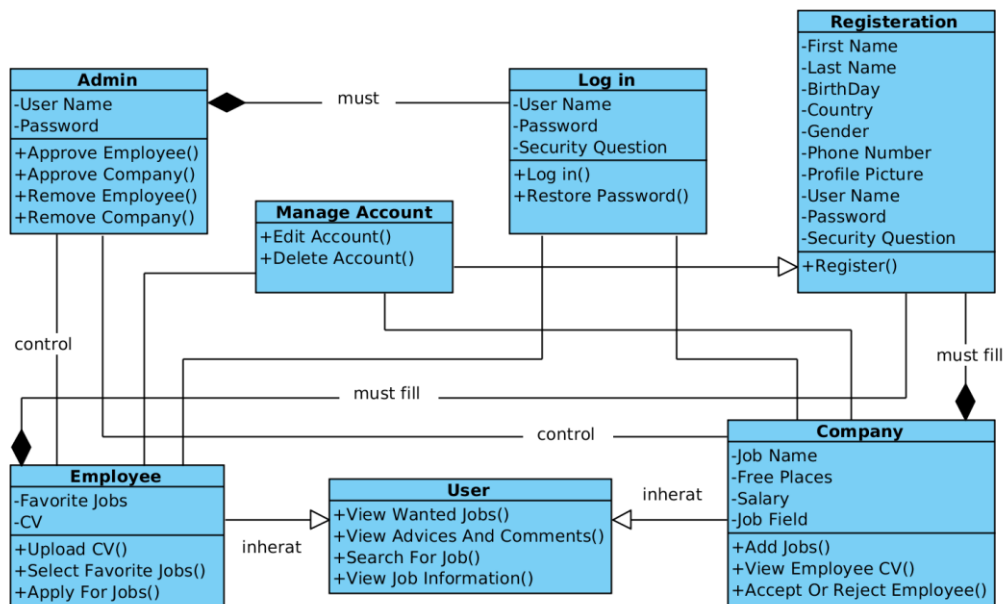
3.5.3 sequence diagram

3.5.3.1 Register
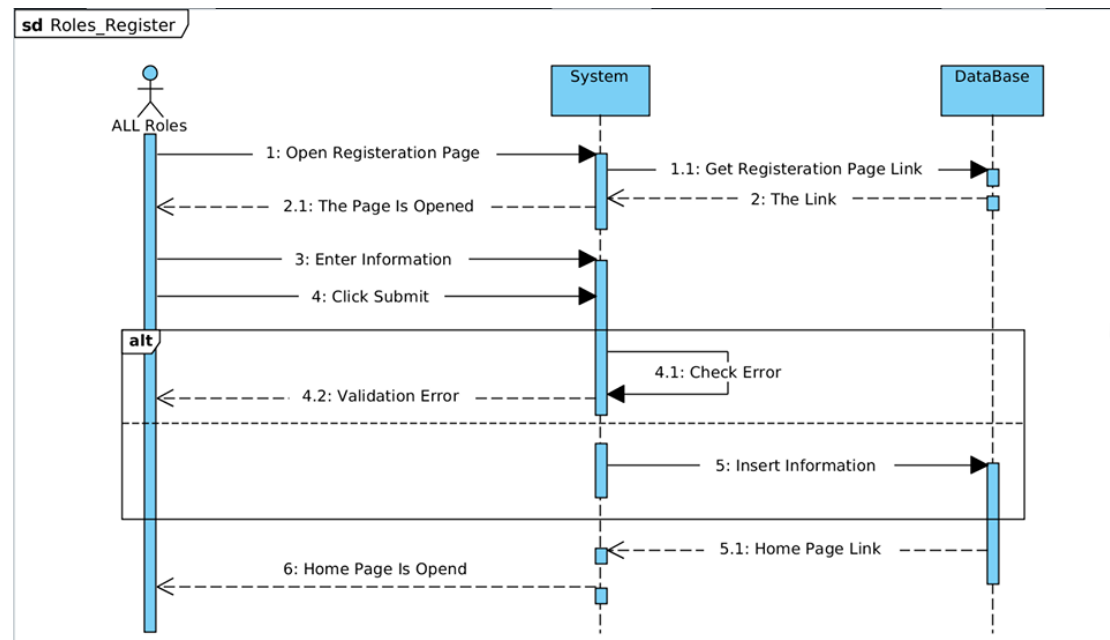
3.5.3.2 Edit
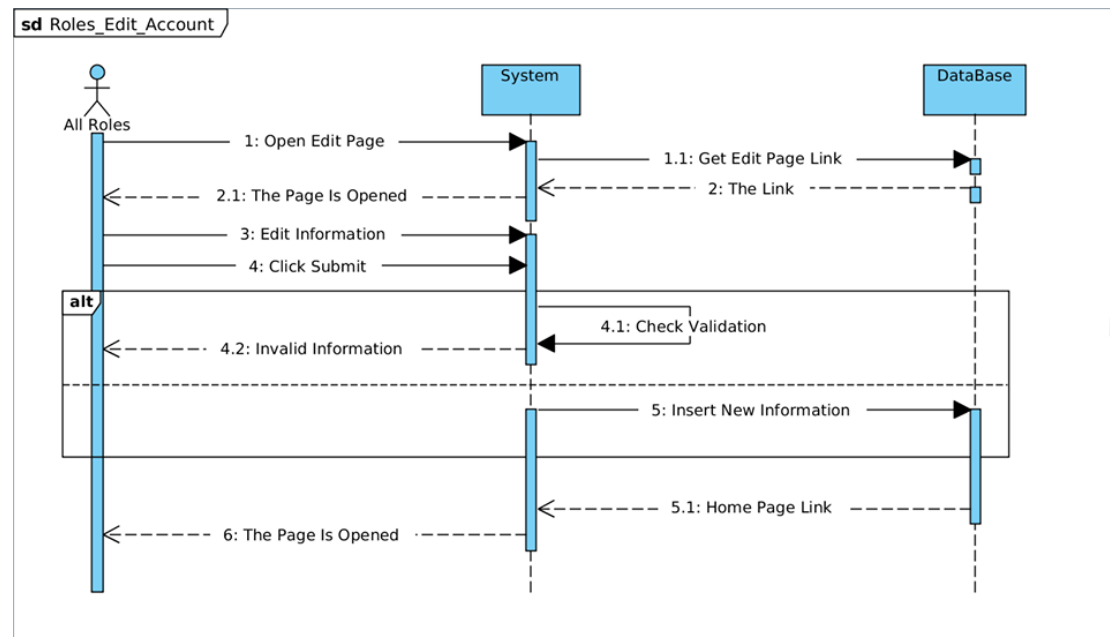
3.5.3.3 Delete
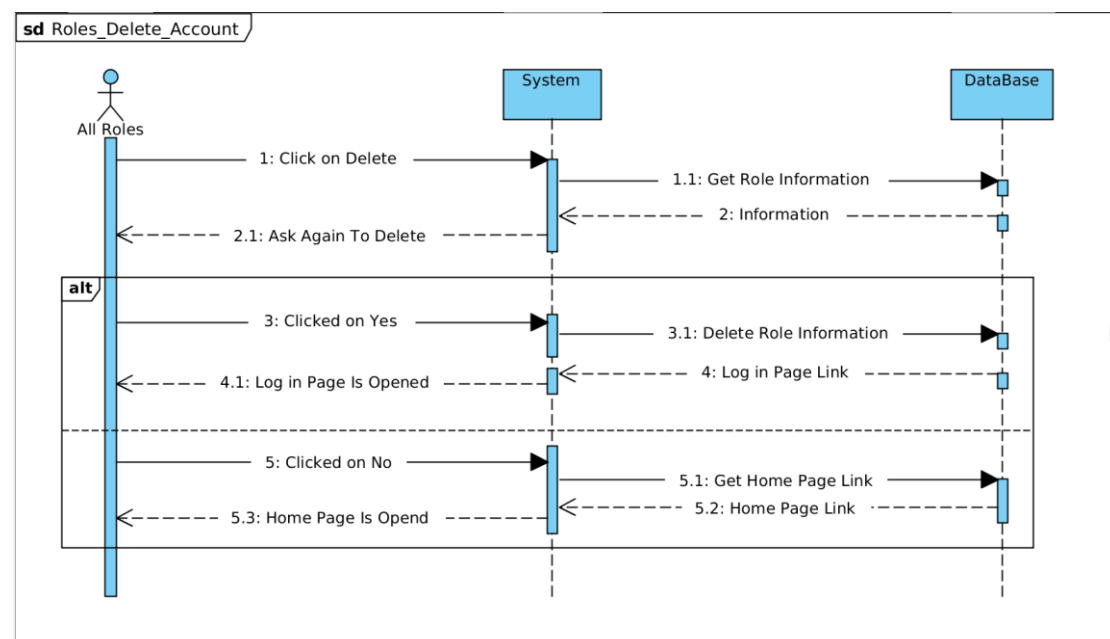
3.5.3.4 log in
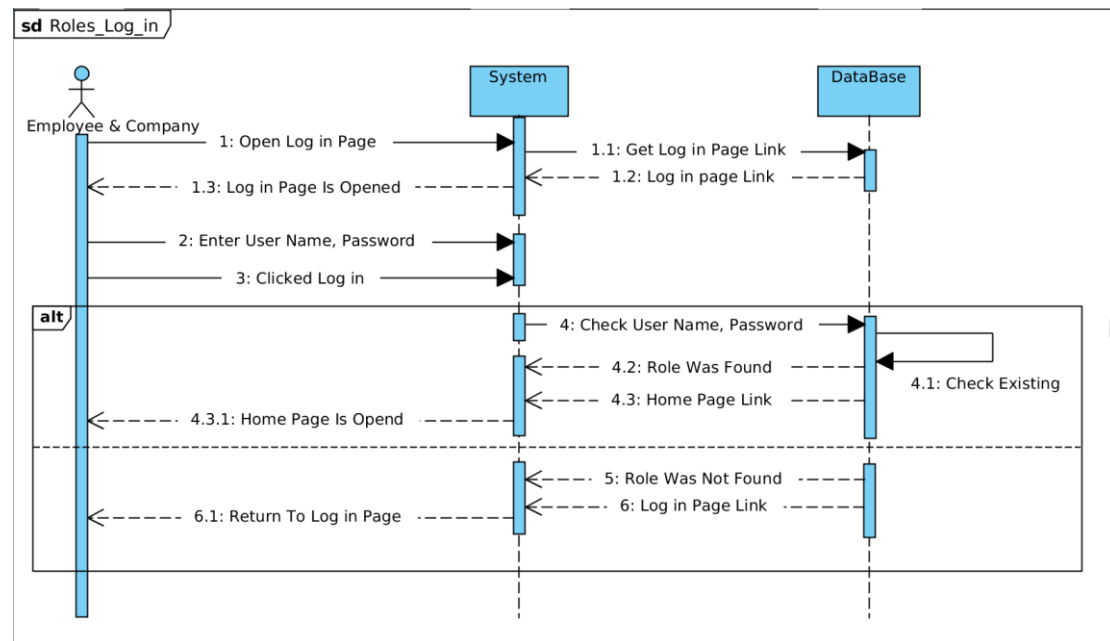
3.5.3.5 add jobs
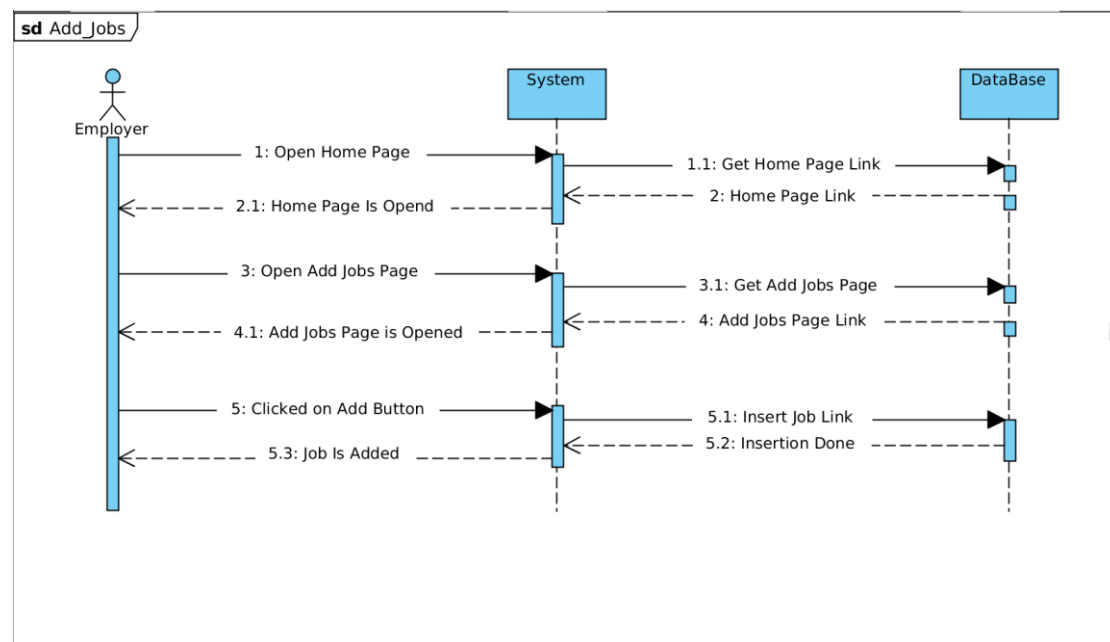
3.5.3.6 accept/reject employee
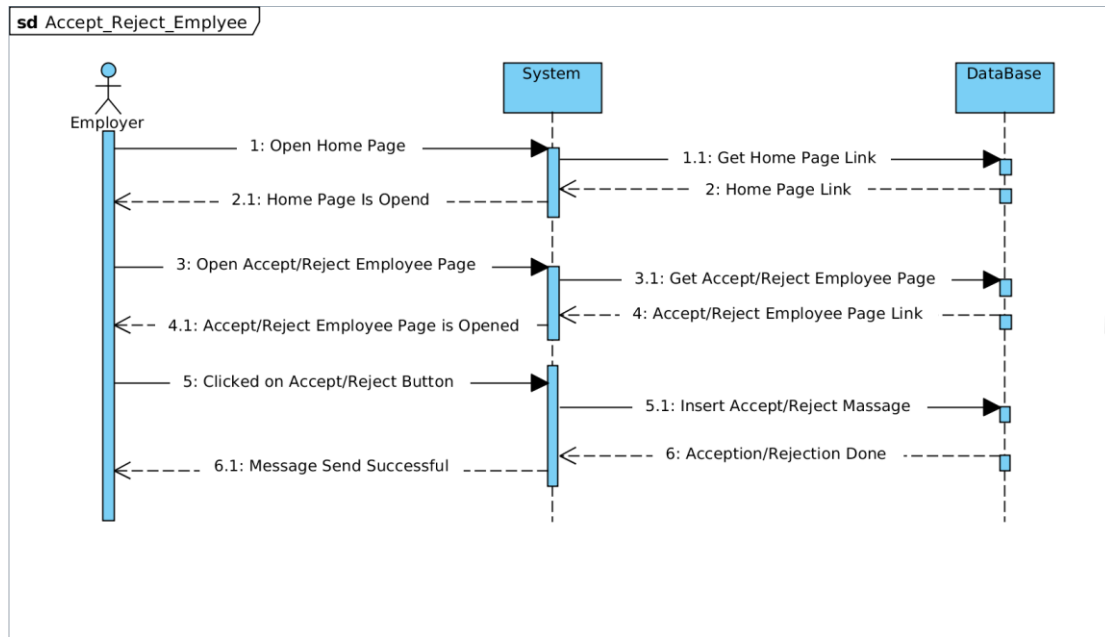
3.5.3.7 apply for job
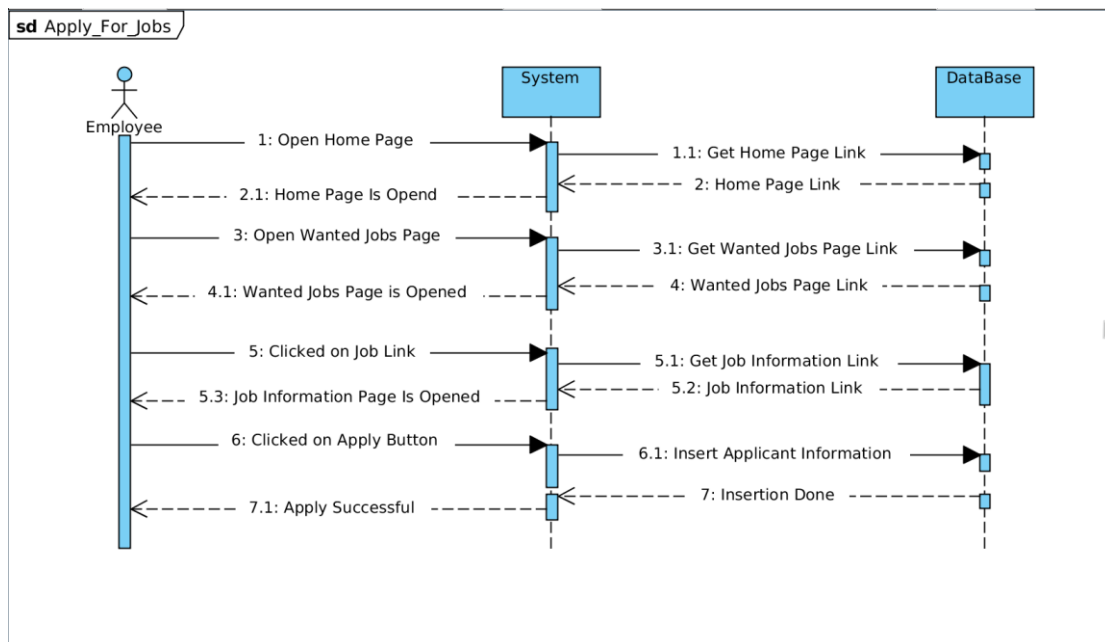
3.5.3.8 approve for jobs
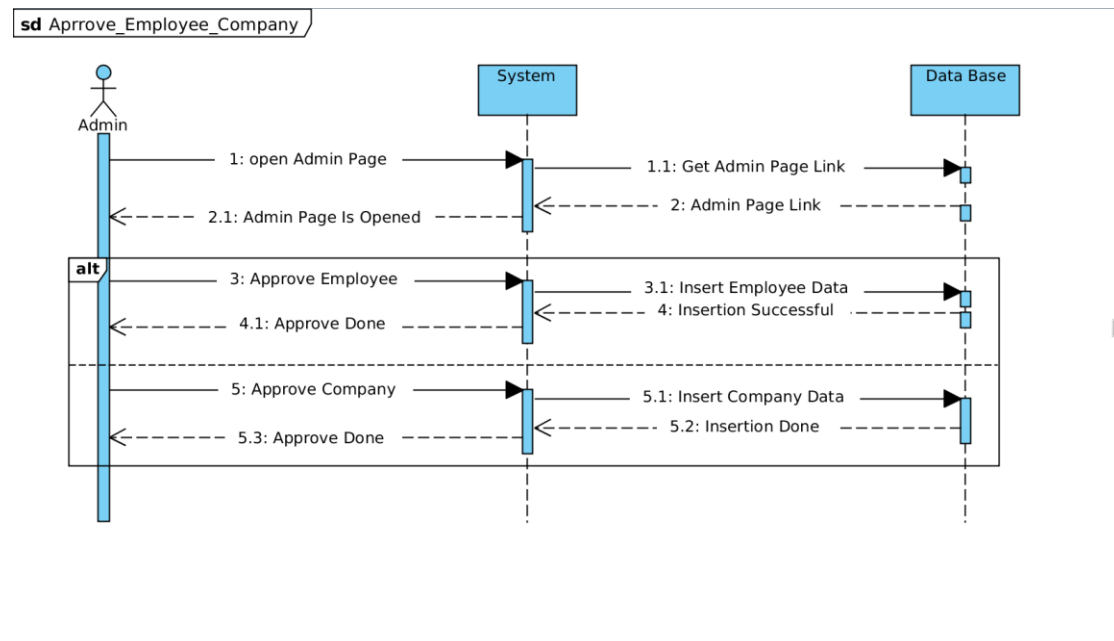
3.5.3.9 remove E_C
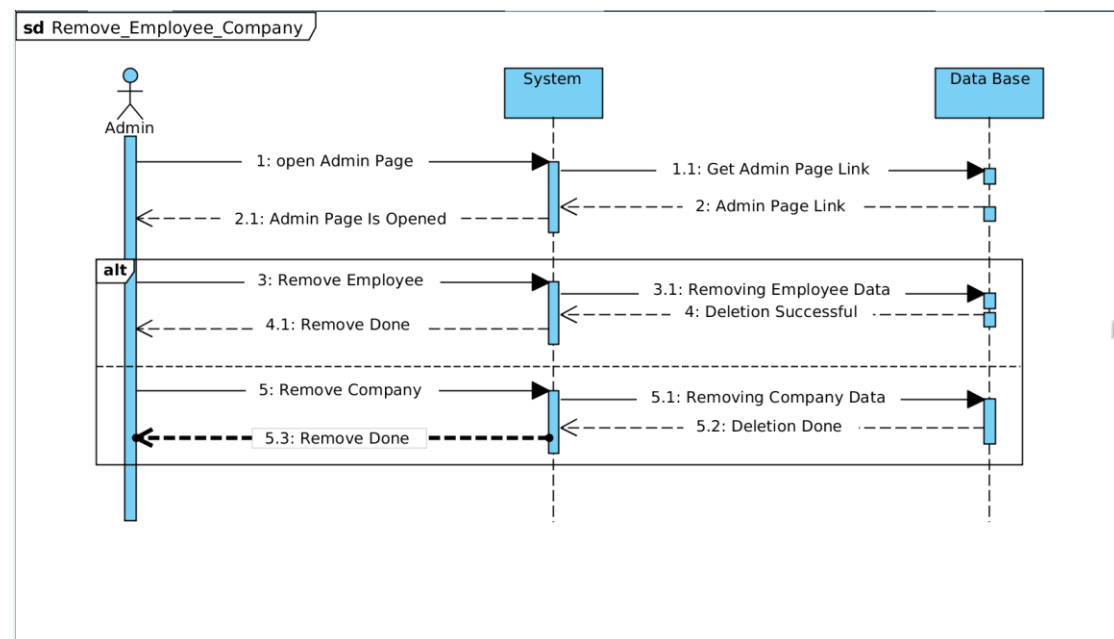
3.5.3.10 Restore password
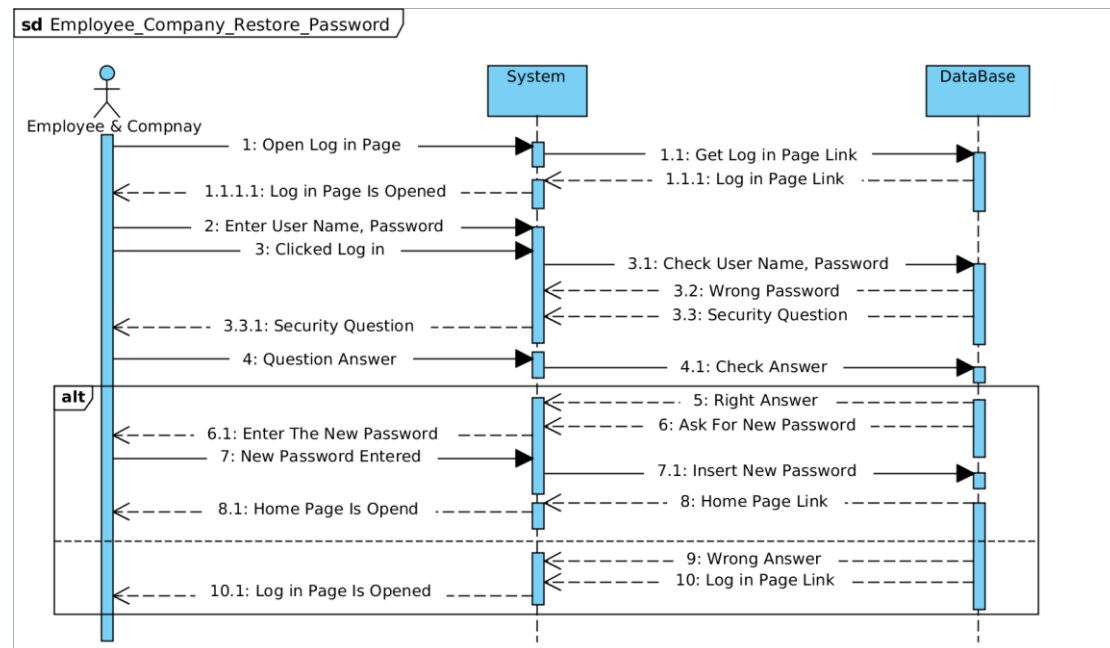
3.5.3.11 Select favorite job
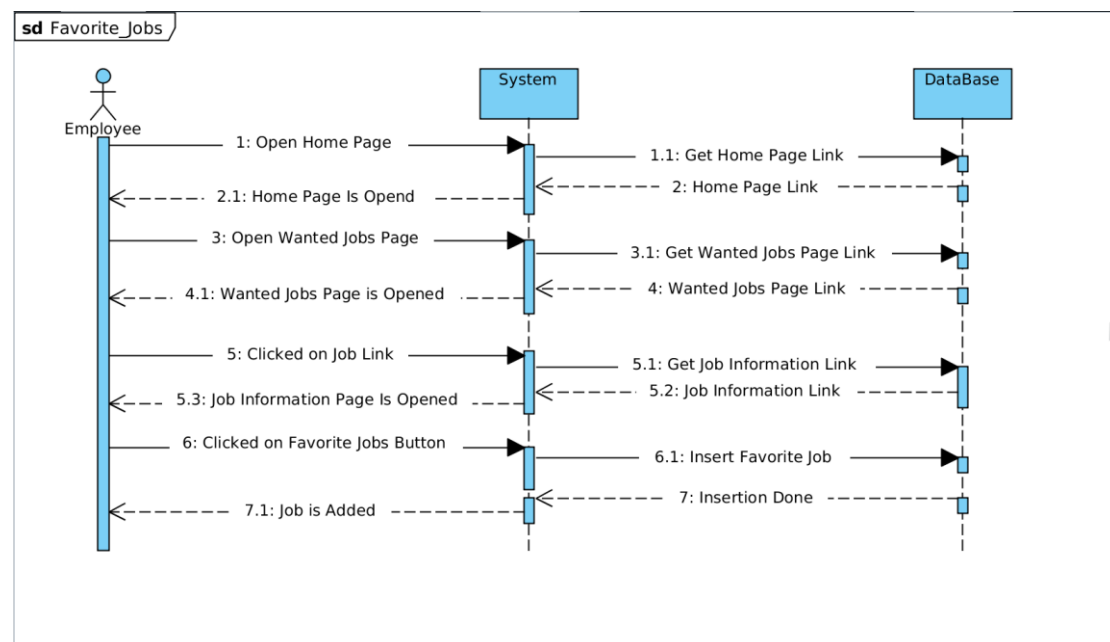
3.5.3.12 view emp. CV
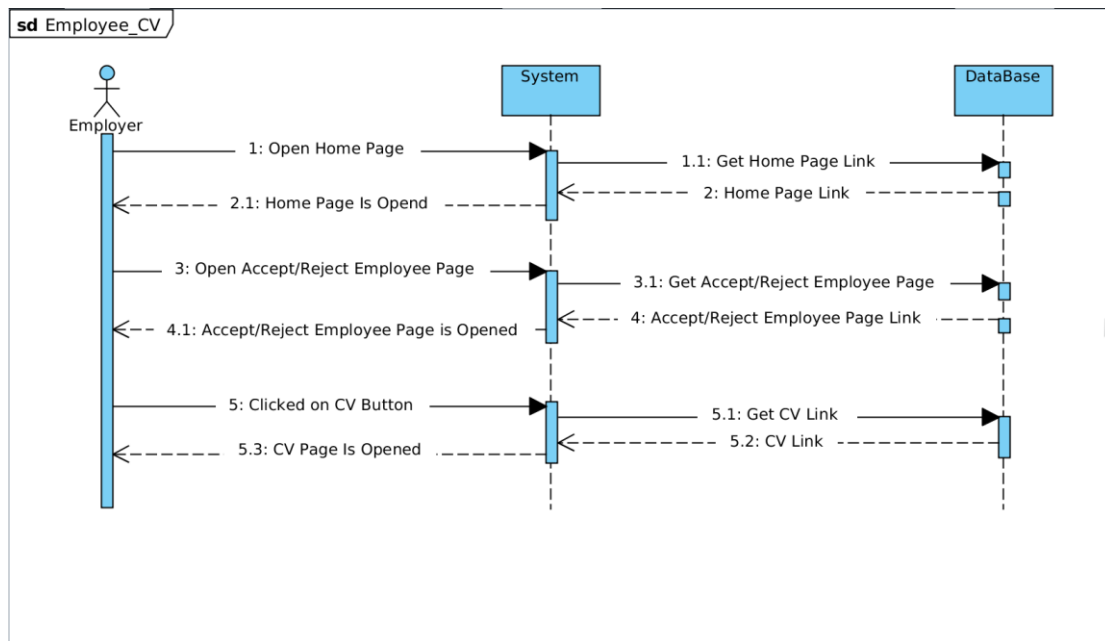
3.5.3.13 view job info.
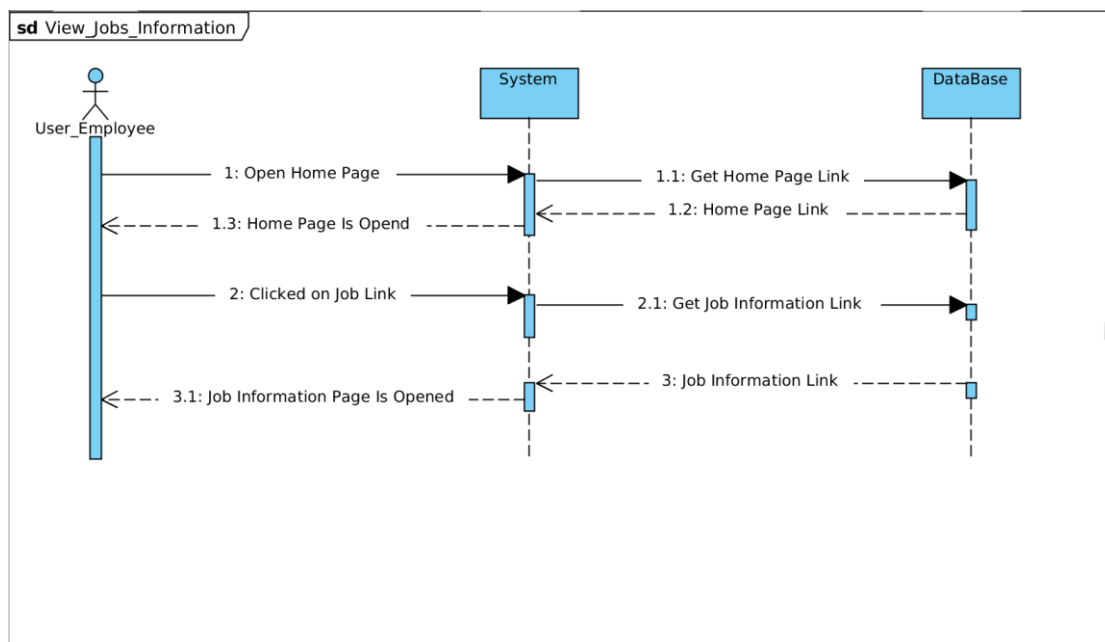
3.5.4.13 view wanted jobs.
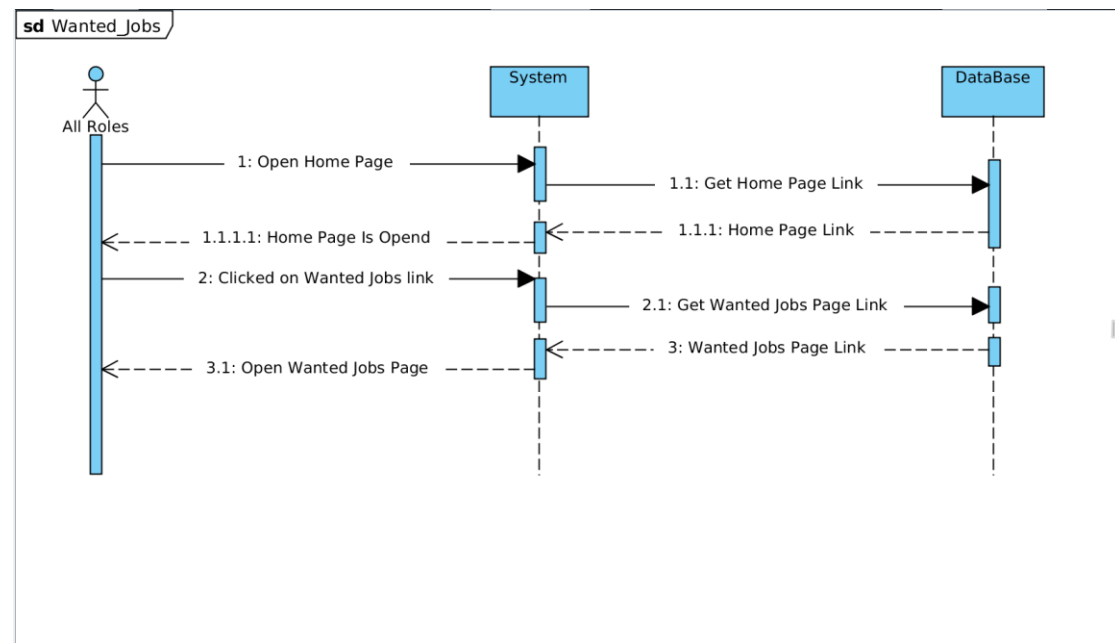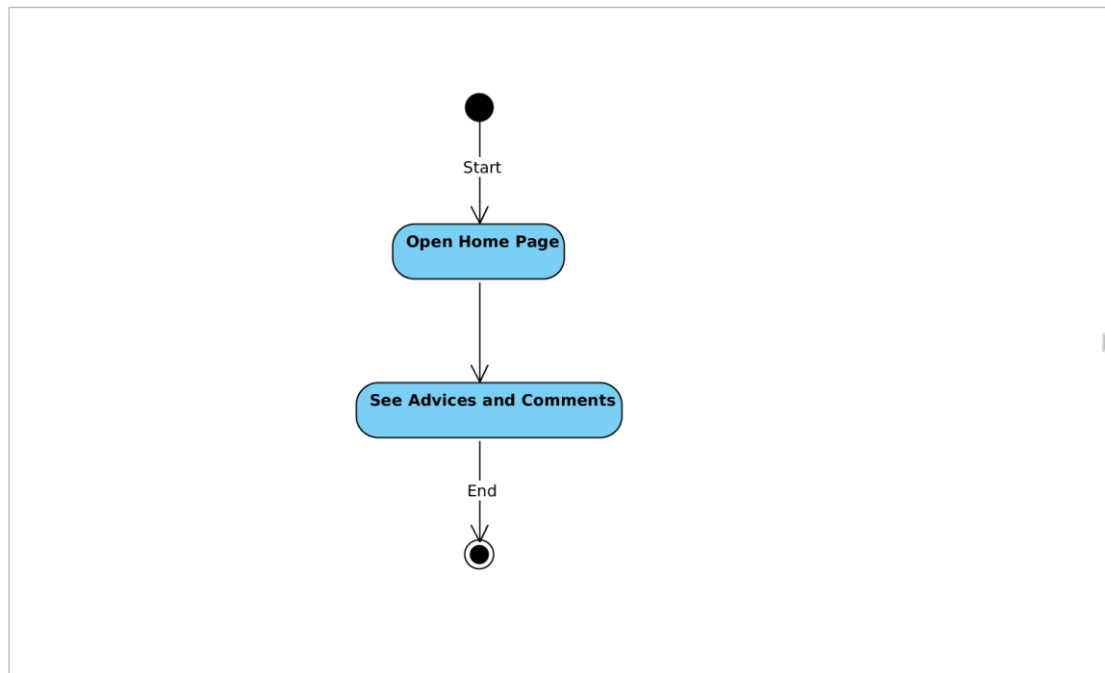

3.5.4 Activity diagram

3.5.4.1 view wanted jobs
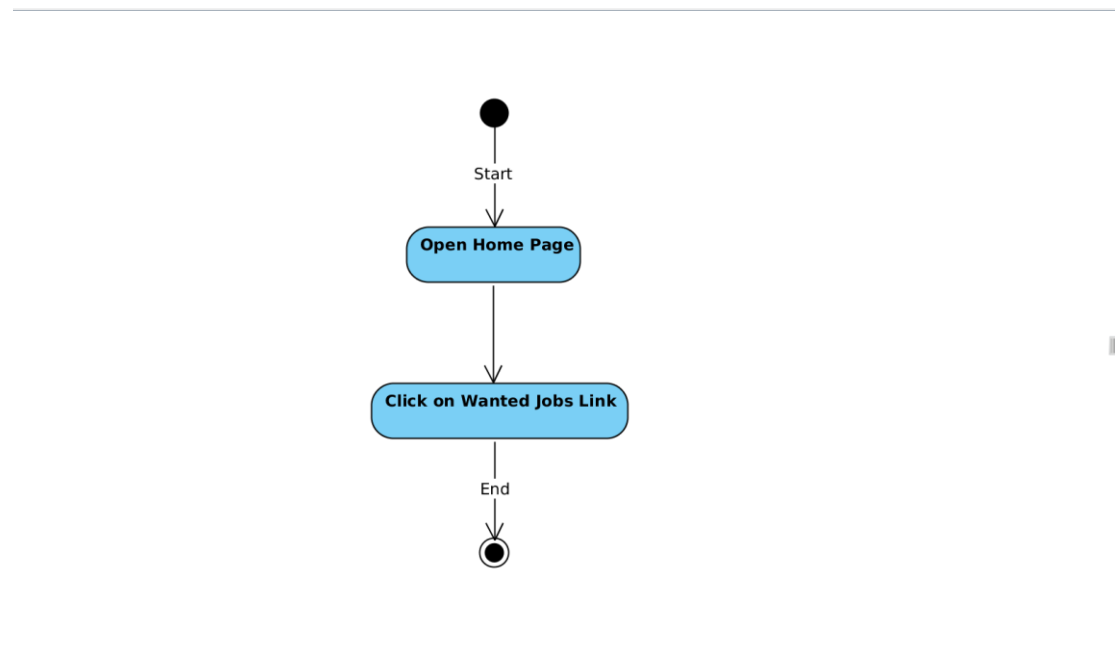
3.5.4.2 view job info.
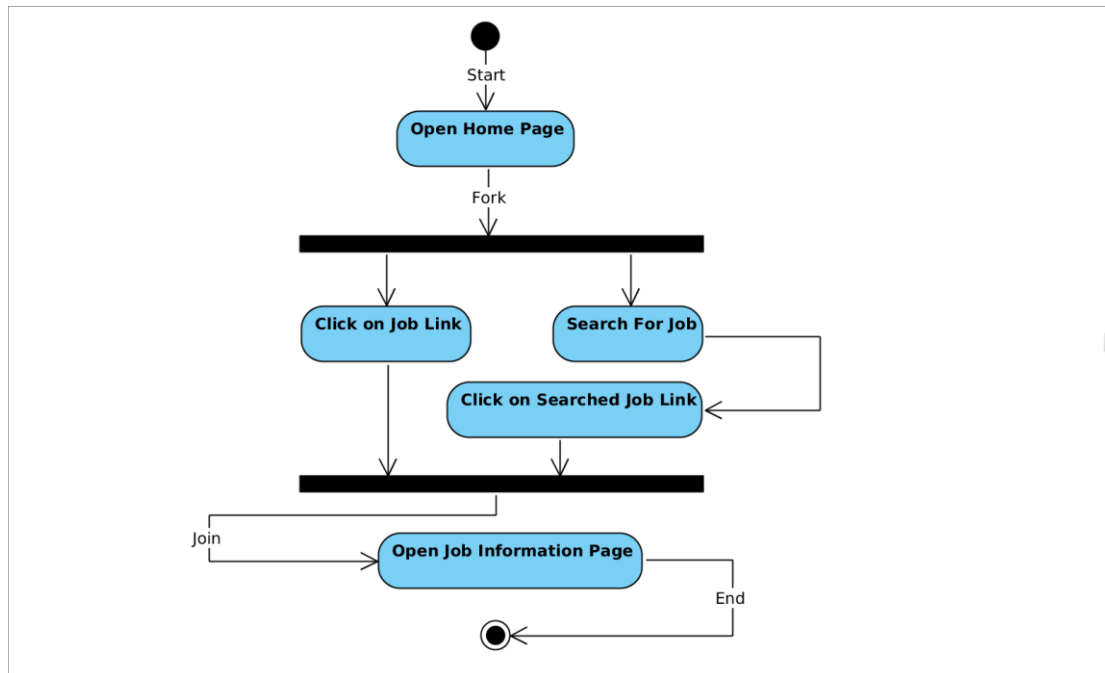
3.5.4.3 view employee cv
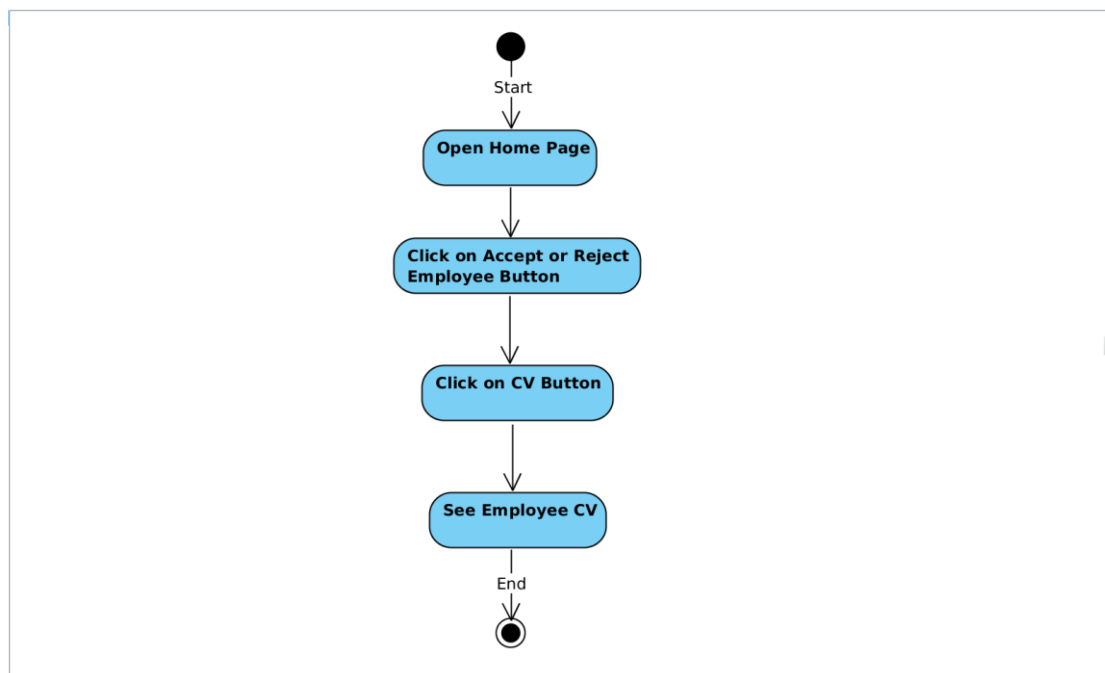
3.5.4.4 view advices comments

3.5.4.5 upload cv
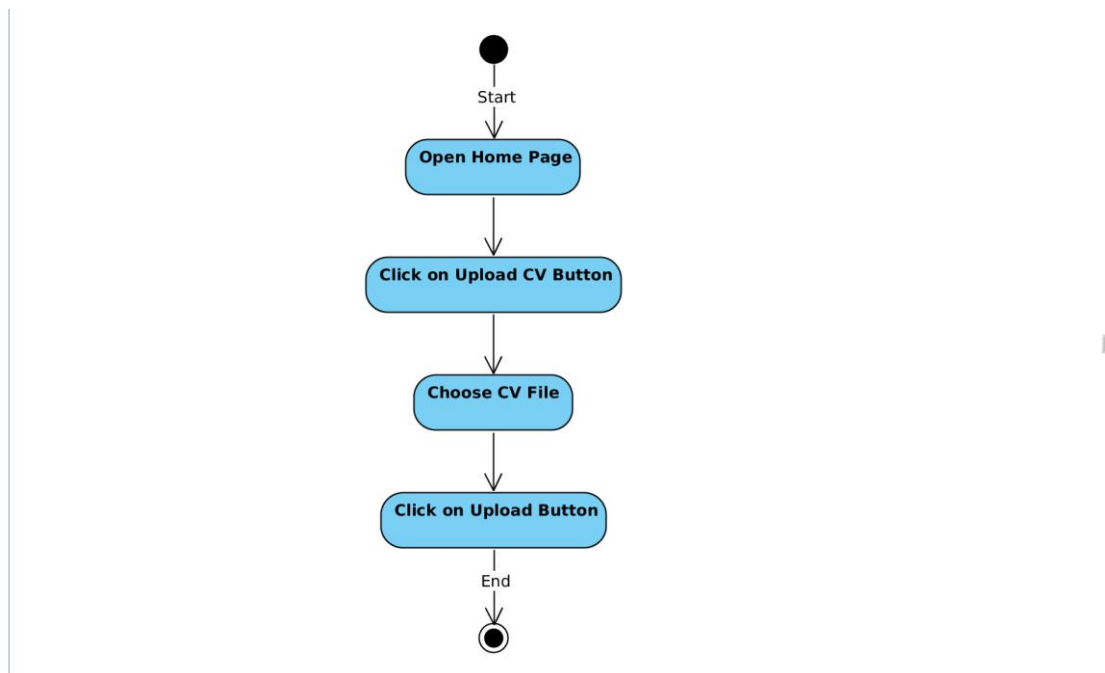
3.5.4.6 select favorite job.
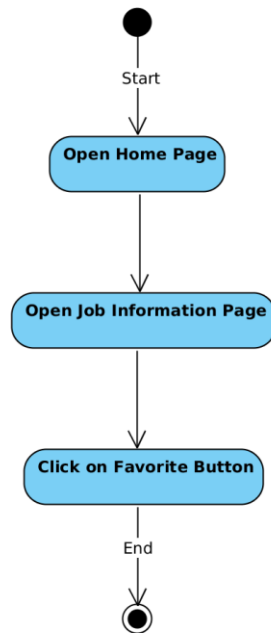
3.5.4.7 search for job
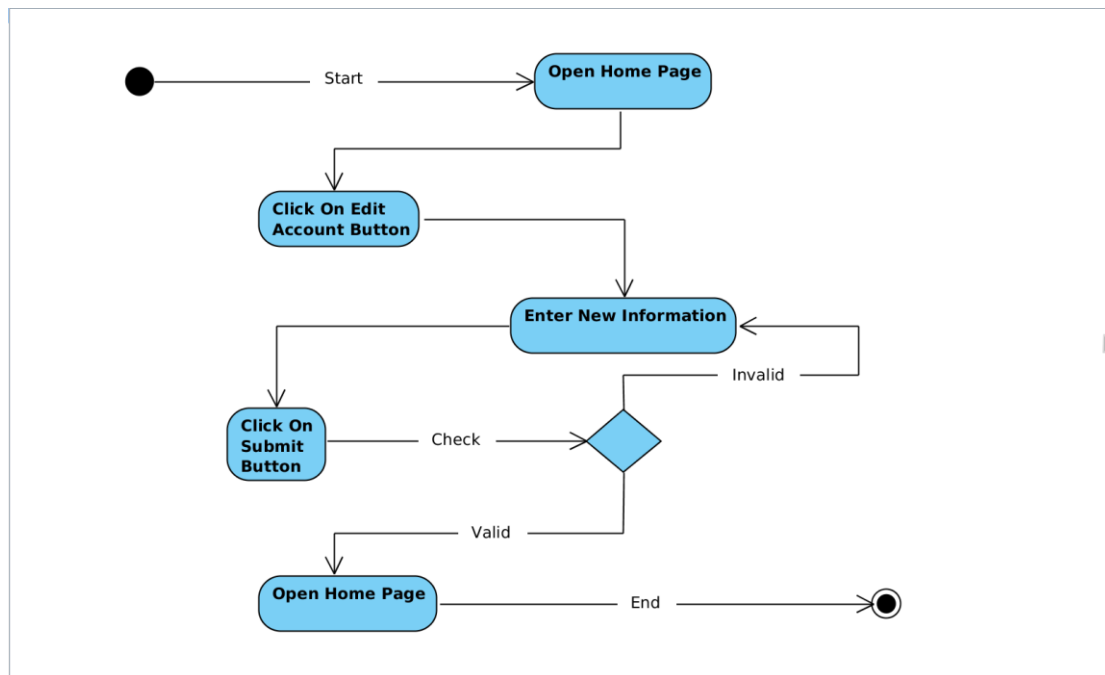
3.5.4.8 restore password
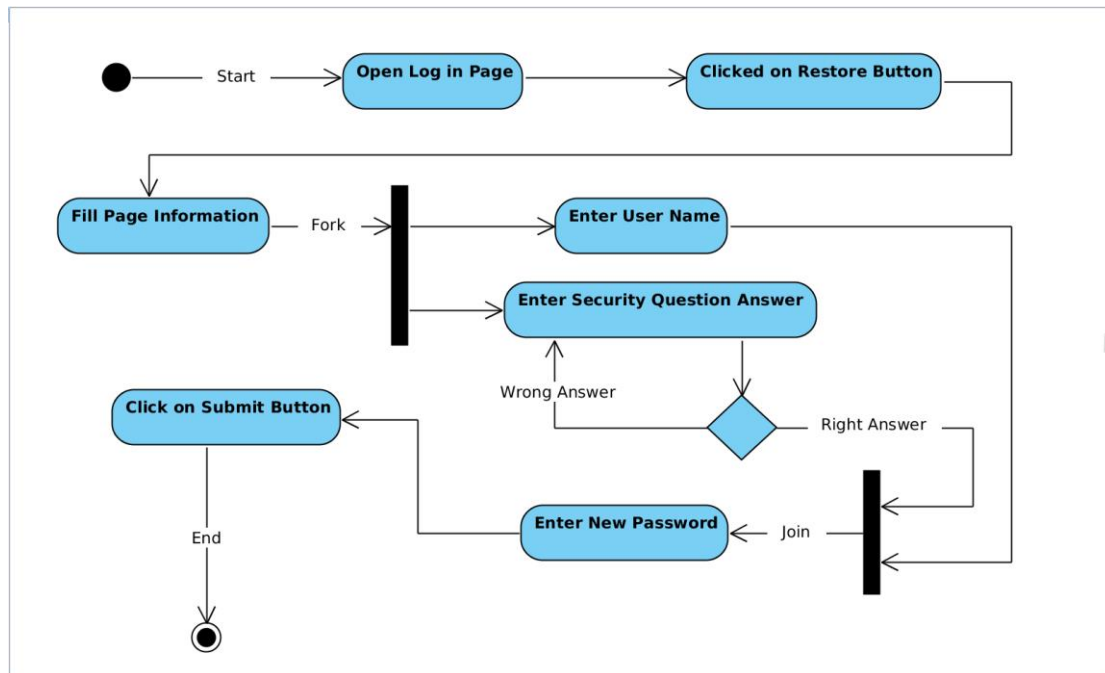
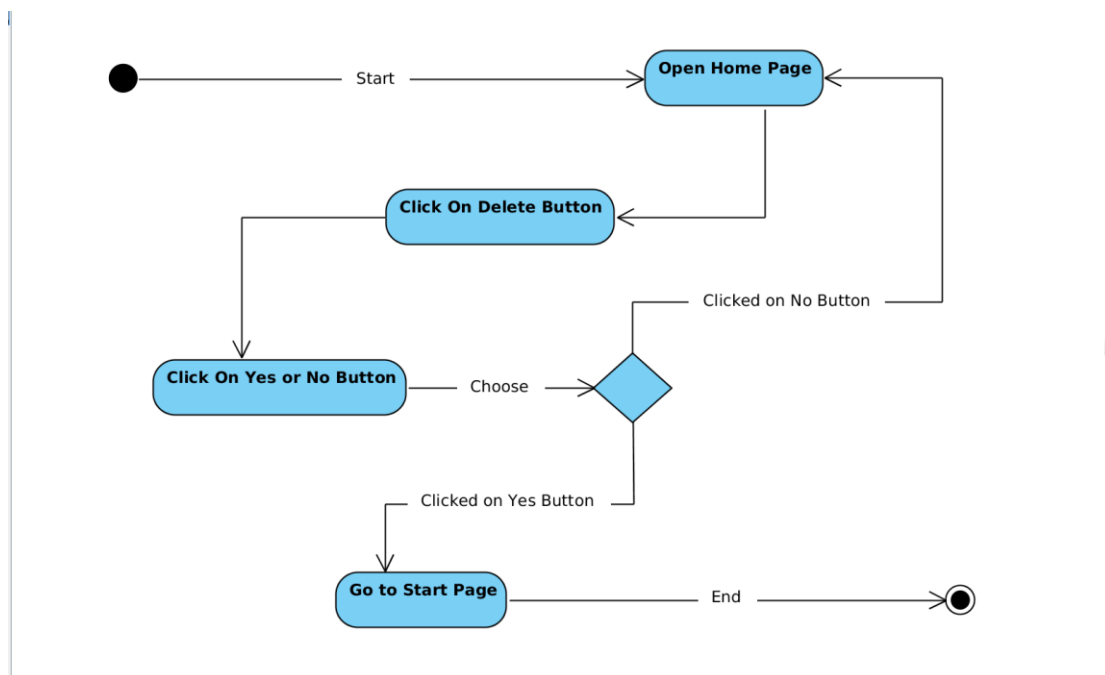

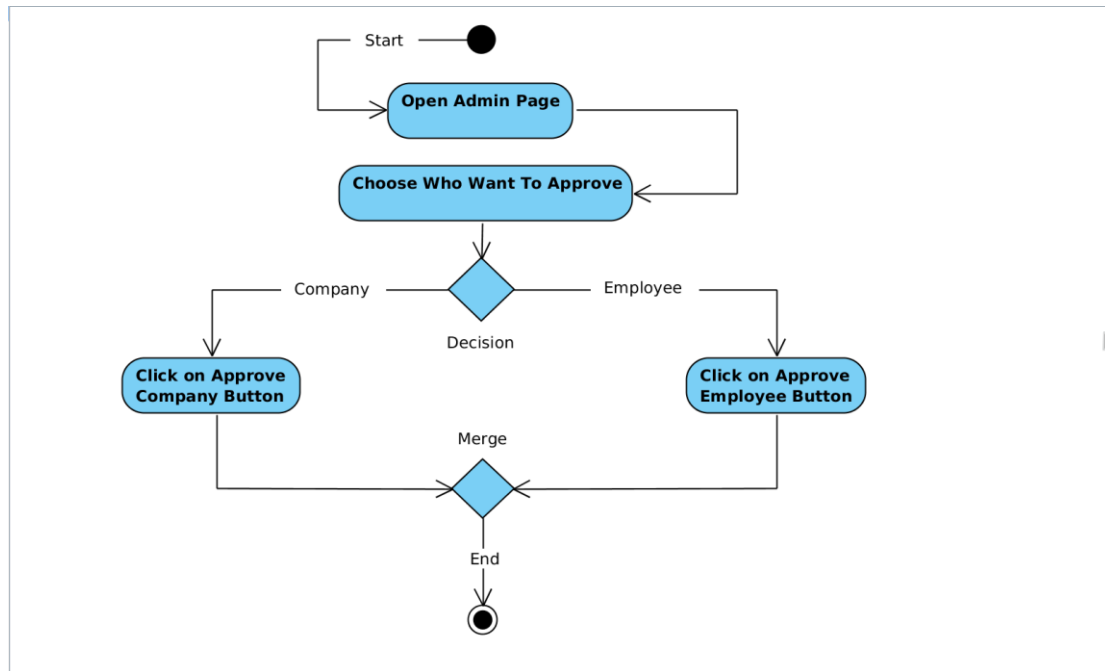## 3.5.4.9 remove E_C
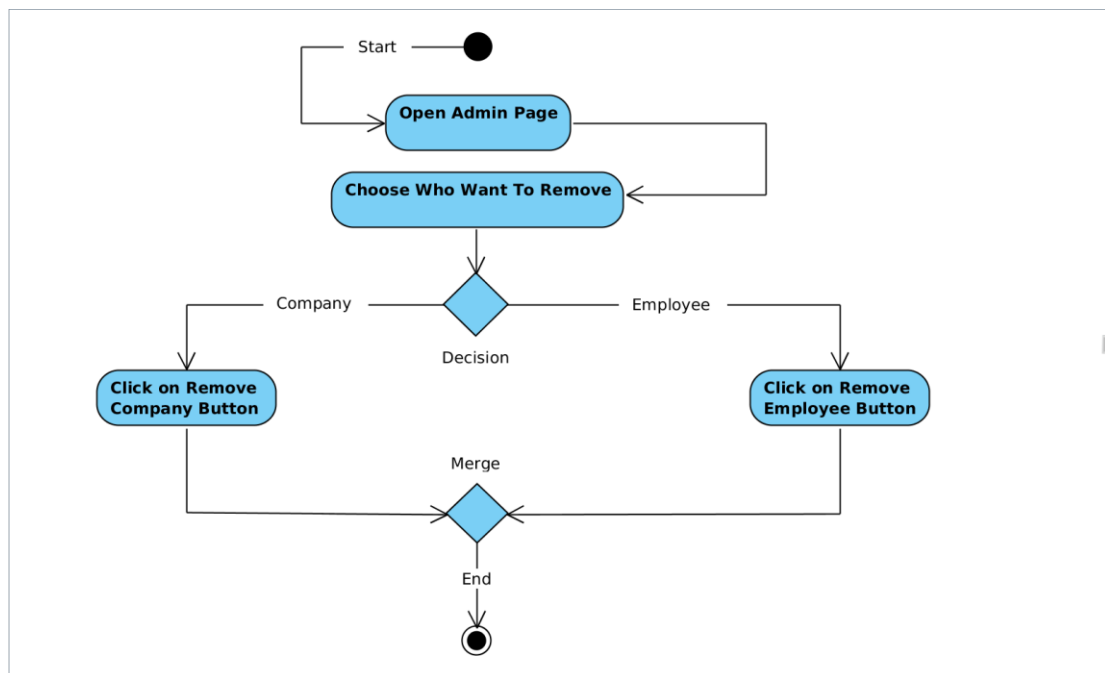
3.5.4.10 Register
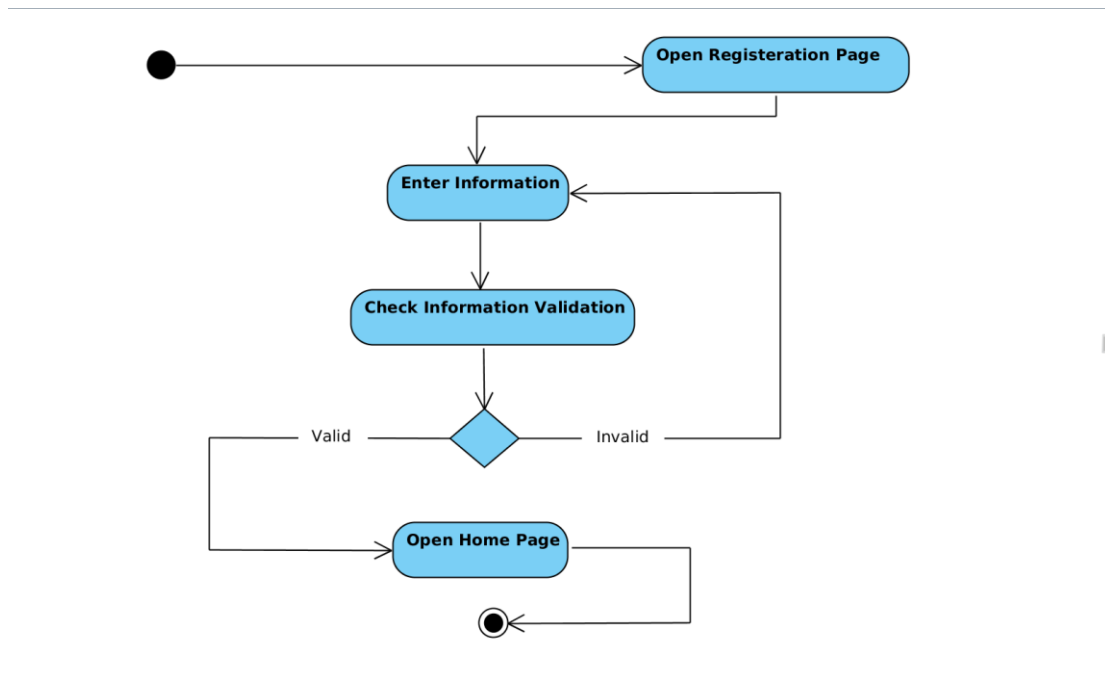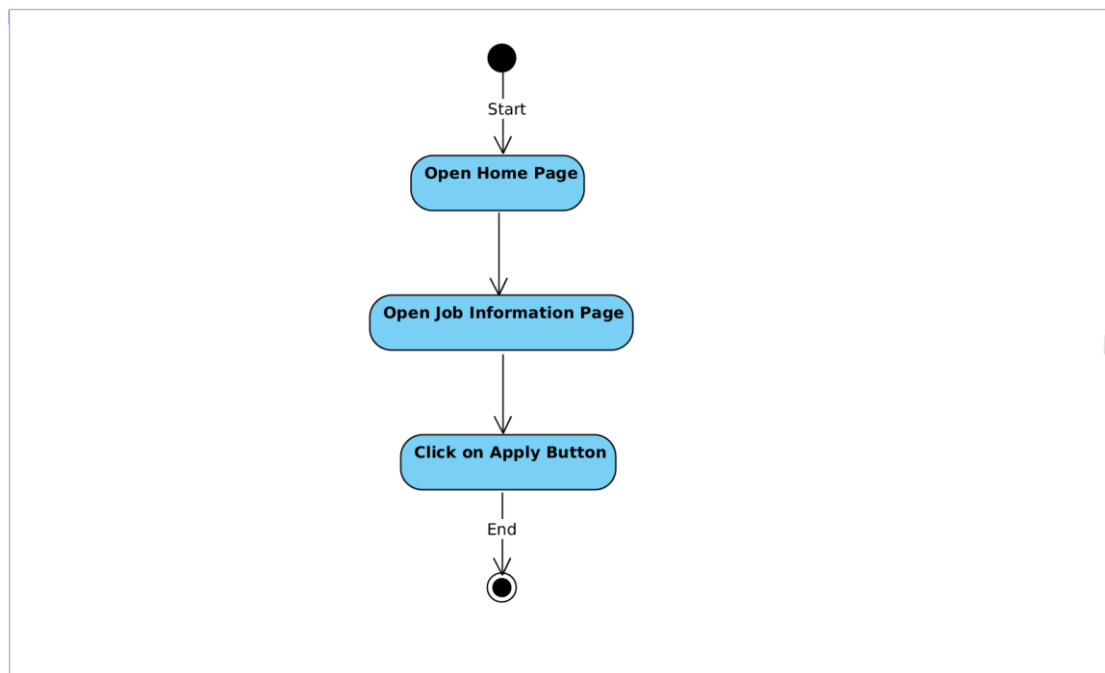

3.5.4.11 log in
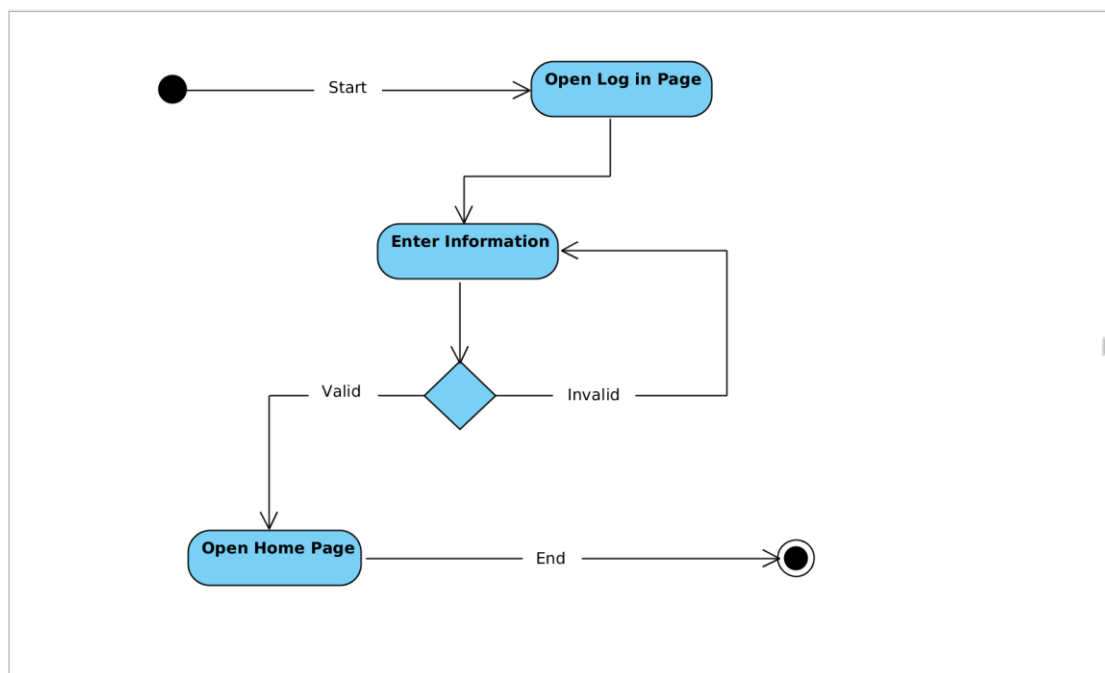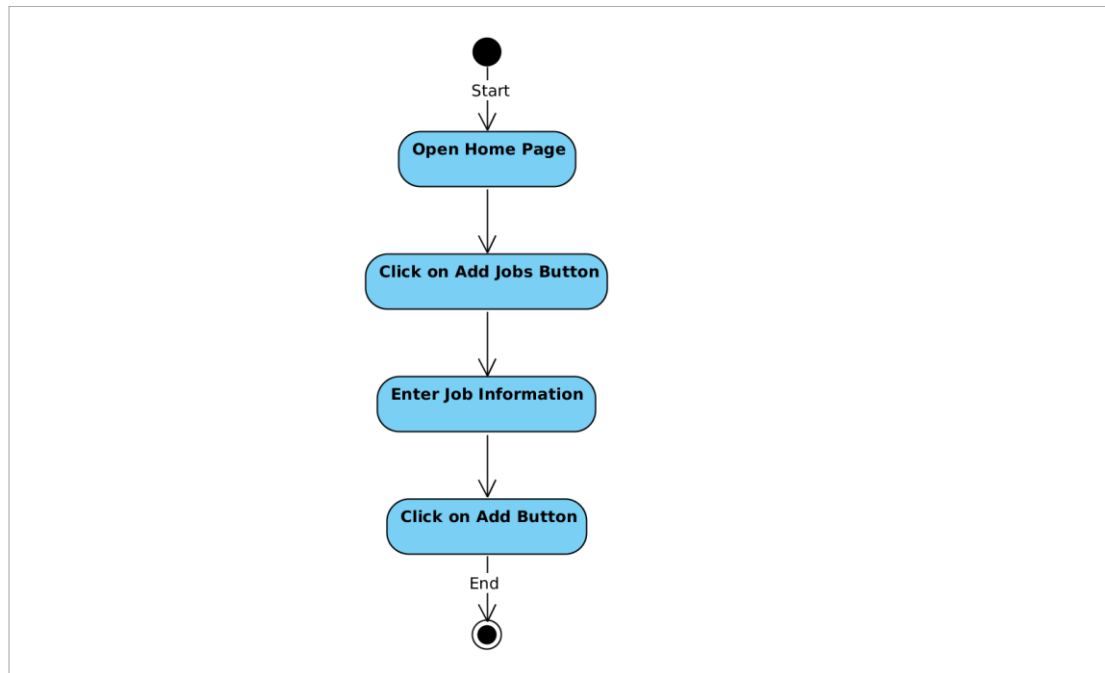
3.5.4.12 Edit

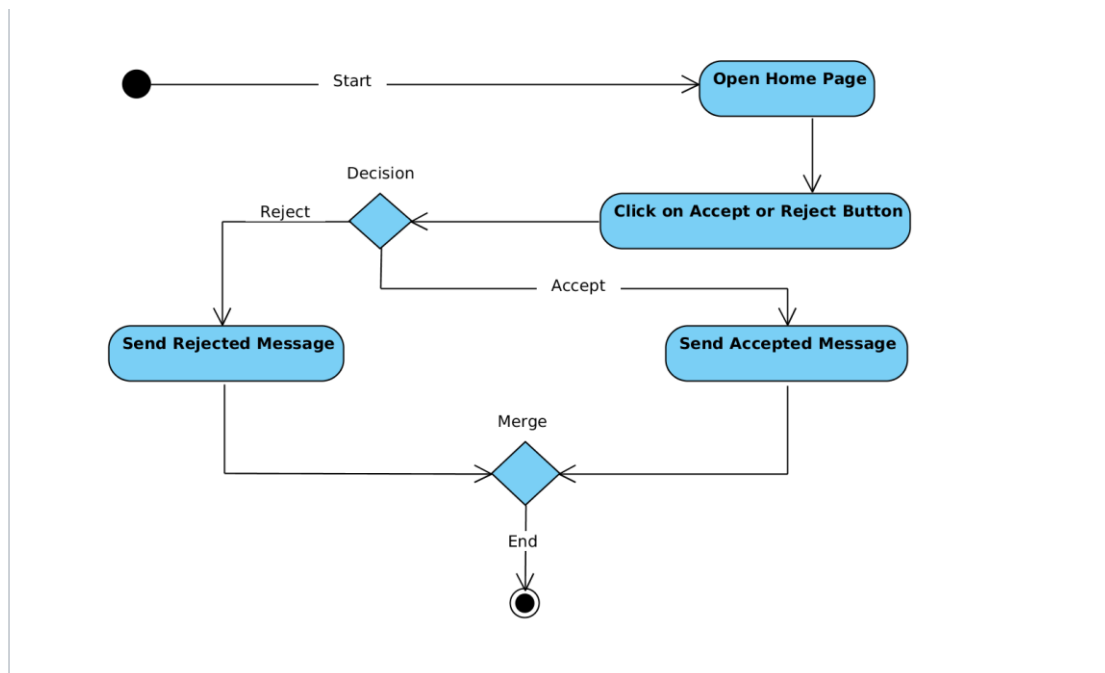## 3.5.4.13 Delete

3.5.4.14Approve E/C
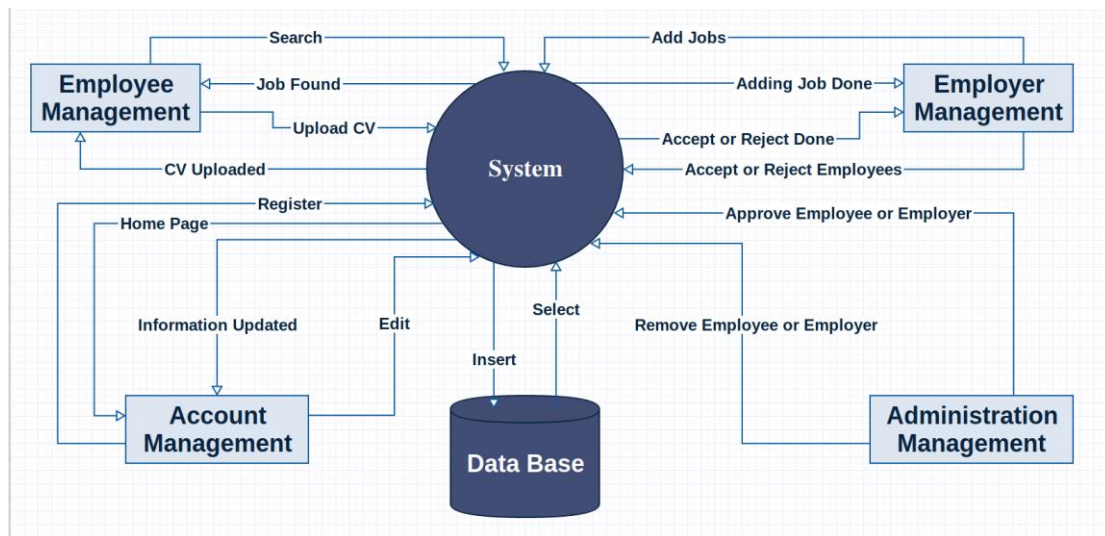

3.5.4.15 Apply for job

3.5.4.16 Add jobs

3.5.4.17 Accept reject Employee
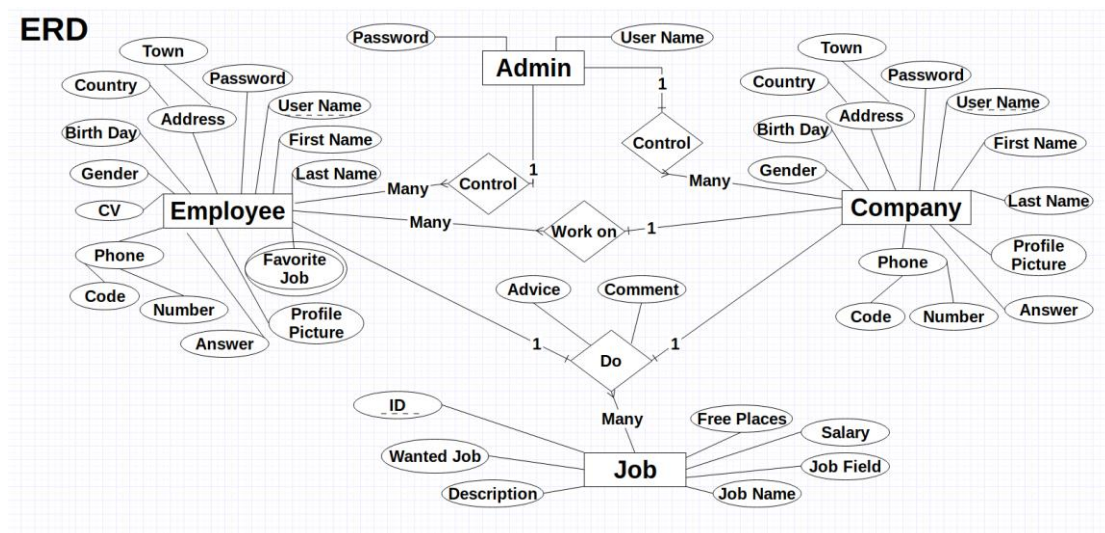
3.5.5 Block diagram

3.5.6 ERD diagram

4 Interface Requirements

4.1 User Interfaces

1. Login page (secured with password).
2. For new user, there will be the registration page to create an account.
3. List of Jobs matching to his profile.
4. Search bar for finding job.
5. For each matching profile, there will be one link to apply.
6. List of replies he got by company HR.

4.2 Company Interface

1. Login page (secured with password).
2. For new user, there will be the registration page to create an account of company.
3. Table kind of structure which contain
   a) Post of vacant position.
   b) Total no. of vacancies.
   c) Experience needed.
   d) Required Skills.
   e) Salary for the same position.
4. List of all jobseeker's matches to skills required for any position.

4.4 Communication Interface

The requirements associated with any communications functions required by this product, including e-mail, web browser, network server communications protocols, electronic forms, and so on. Communication standards that will be used, such as FTP or HTTP.

4.3 Software Interface

Client on Internet
Web Browser, Operating System (any)
Client on Intranet
Web Browser, Operating System (any)
Data Base Server
MySQL, Operating System (any)
Development End
PHP, HTML5, CSS3, MySQL, OS (Windows).

7.Non-functional requirement

7.1 Usability: easy to use.

7.2 Reliability: has a real effect.

7.3 Appearance: has an attractive appearance

7.4 Security: usable only in authorized ways.

7.5 Availability: able to used when needed.

7.6 Scalability: able to be used by any user.

7.7 Performance: has a speed action.

8.Appendix

8.1 Definitions, Acronyms, Abbreviations

- HTML5 (Hyper Text Markup language): It is used to create static web pages
- CSS3(Cascading Style Sheet): used by web pages to help keep information in the proper display format
- PHP (Hypertext Preprocessor): is a general-purpose scripting language that is especially suited to server-side web development, in which case PHP generally runs on a web server
- MySQL (Structured Query Language): used to communicate with a database
- HTTP (Hyper Text Transfer Protocol): It is a transaction oriented client/ server protocol
- FTP (File Transfer protocol): is a standard network protocol used for the transfer of computer files from a server to a client

9.References
1. Team members
2. Wikipedia & Google