

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 لحظي عبدالمتعال		
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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:

1 Introduction

1.1 Purpose

This document will outline in detail the software architecture and design for the Online Recruitment job site. This document will provide several views of the system's design in order to facilitate communication and understanding of the system. It intends to capture and convey the significant architectural and design decisions that have been made for The project.

1.2 Scope

This document provides the architecture and design of the Online Recruitment job site. It will show how the design will accomplish the functional and non-functional requirements.

1.3 Overview

System Overview: This section will give a general description of the functionality, context and design of your project.

System Architecture: Develop a modular program structure and explain the relationships between the modules to achieve the complete functionality of the system

Data Design: Explain how the information domain of your system is transformed into data structures

Human Interface Design: Describe the functionality of the system from the user's perspective.

1.4 Definitions and Acronyms

- 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

2 System Overview

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.

The design of the site should be easy to use and have an attractive look of the user who use the site.

The programming language is use is PHP (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) which is an open source and suited to server-side web development.

The style of the site used by CSS3 which used by web pages to help keep information in the proper display format.

The data base used in the project is MySQL which is open source used to communicate with a database and store info. Of the site

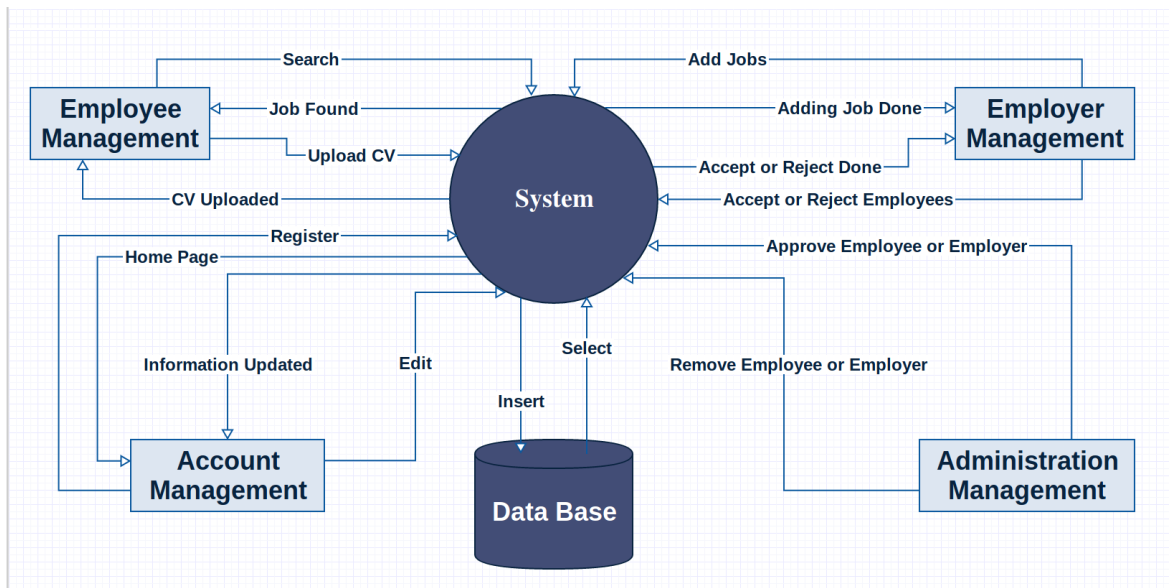
3 System Architecture

3.1 Architectural Design

The architecture and design has been influenced by the following design decisions and strategies:

- The design shall use Object Oriented Principles (OOP)
- Entry points for PHP script activation will be standard PHP code constructs but will immediately transition to OOP PHP functions. This is the compromise in a language that is still transitioning to full OOP functionality.
- Authentication will be limited to password checking on initial login and a the mail of the user subsequently. This is considered sufficient to the low risk nature of the data.
- PHP and MySQL were selected because they had the necessary capabilities to provide the needed services to the user and their GNU licenses will reduce product cost.
- Communication with the users will be by the HTML protocol as this is well-supported by the selected browsers and PHP.
- The data base used in the project is MySQL which is open source used to communicate with a database and store info. Of the site

3.1 Block diagram



3.2 Decomposition Description

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

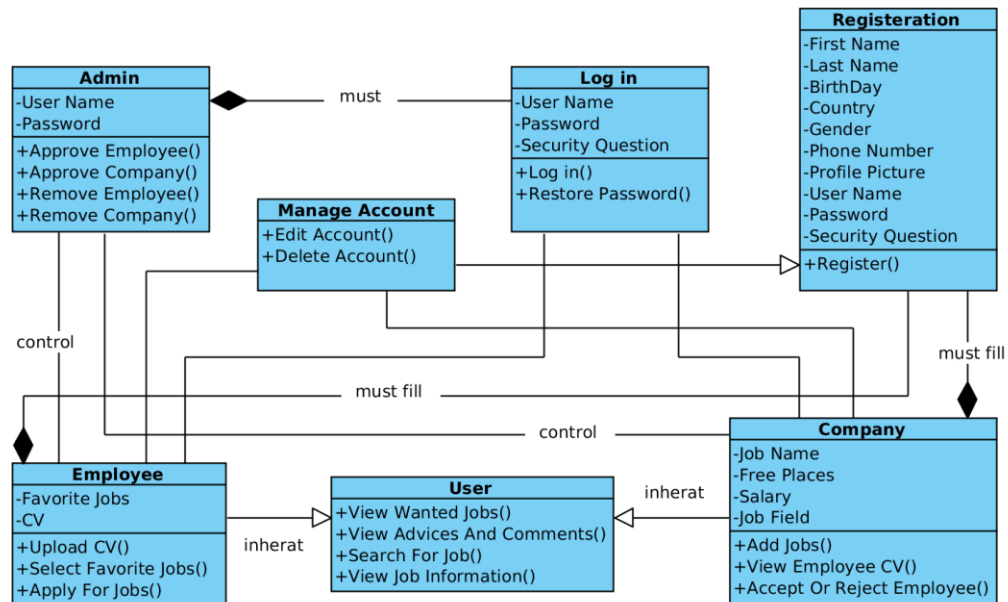
3.4.1

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

3.4.2

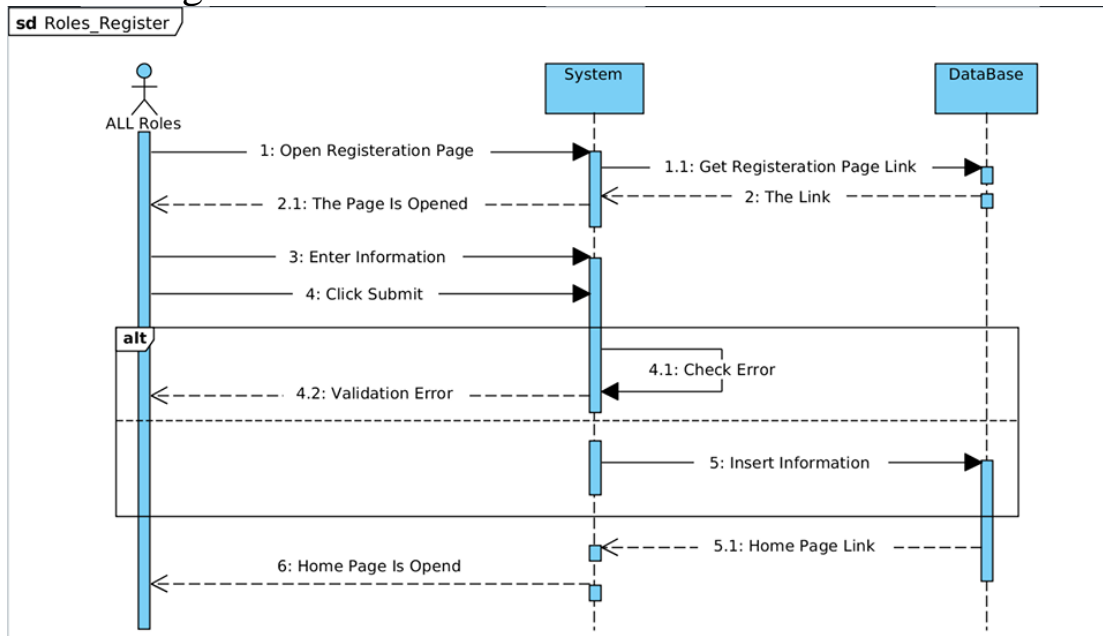
1. Approve jobseeker/company
2. The admin can approve jobseeker/company who registered so they need to wait admin approval to use the site feature.

3.5.2 class diagram

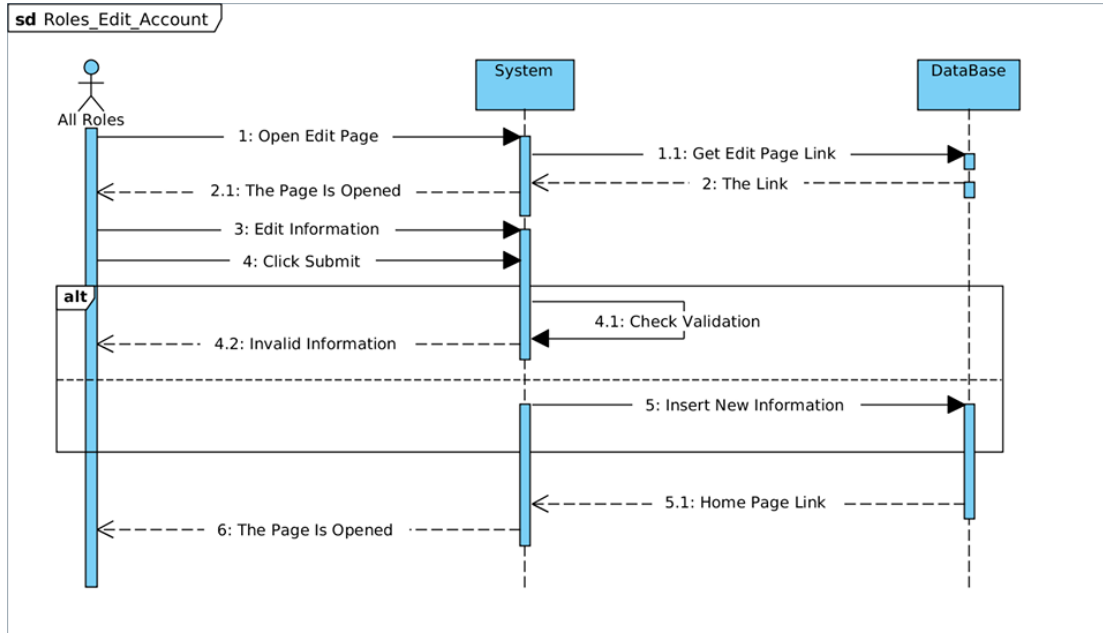


3.5.3 sequence diagram

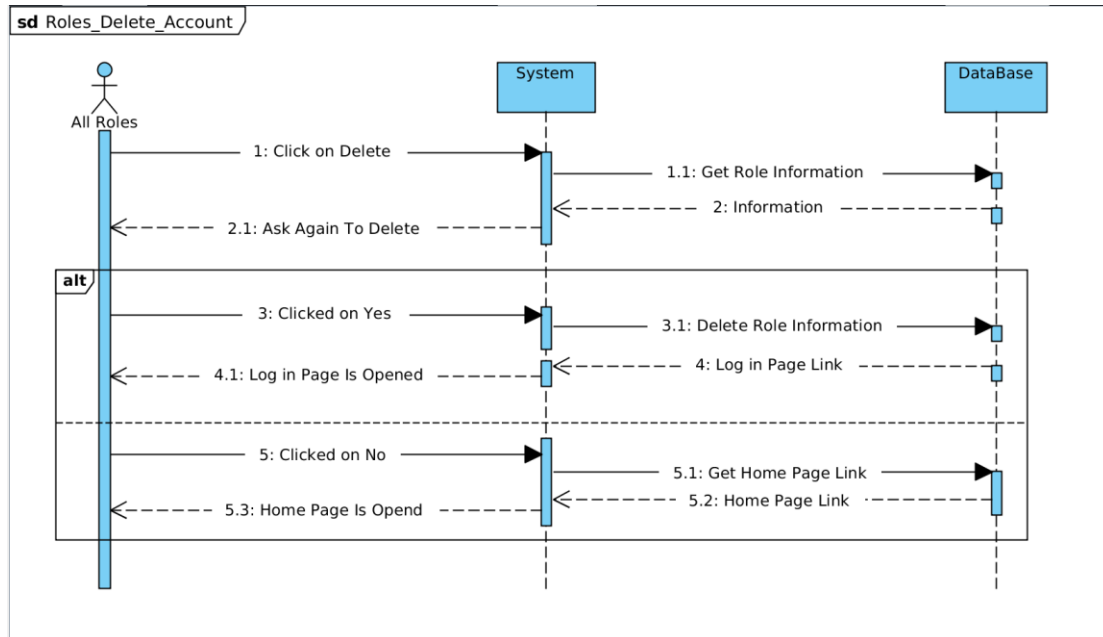
3.5.3.1 Register



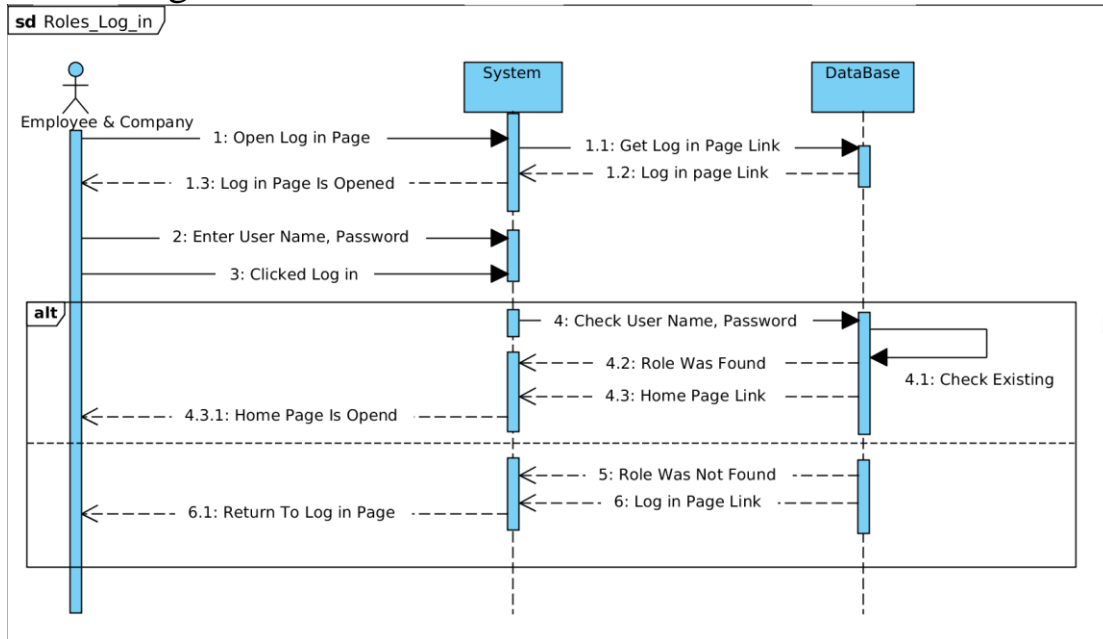
3.5.3.2 Edit



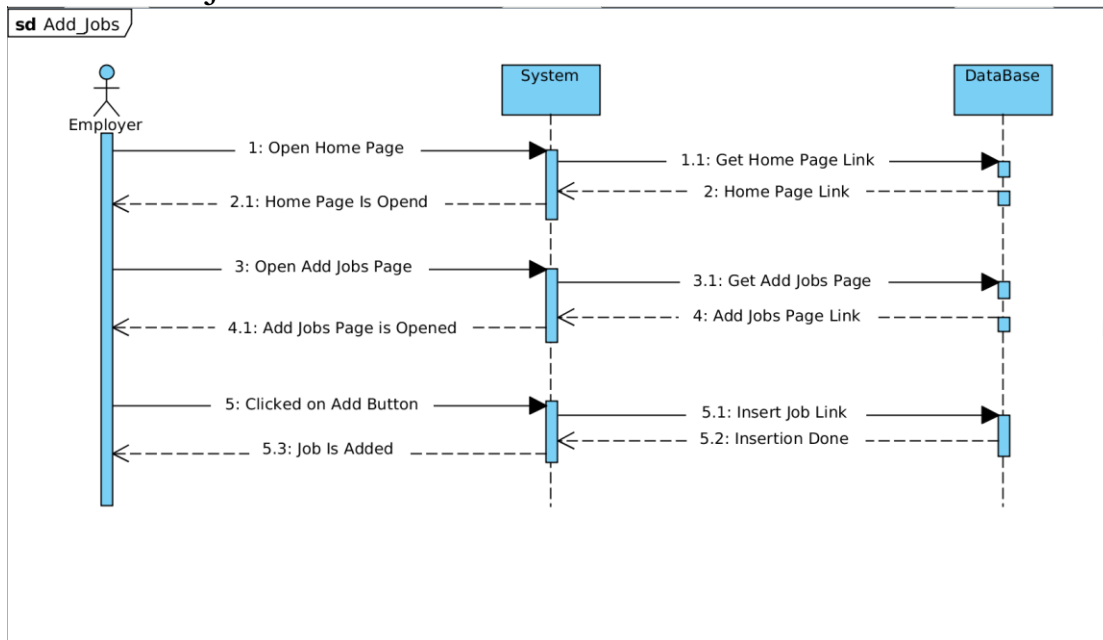
3.5.3.3 Delete



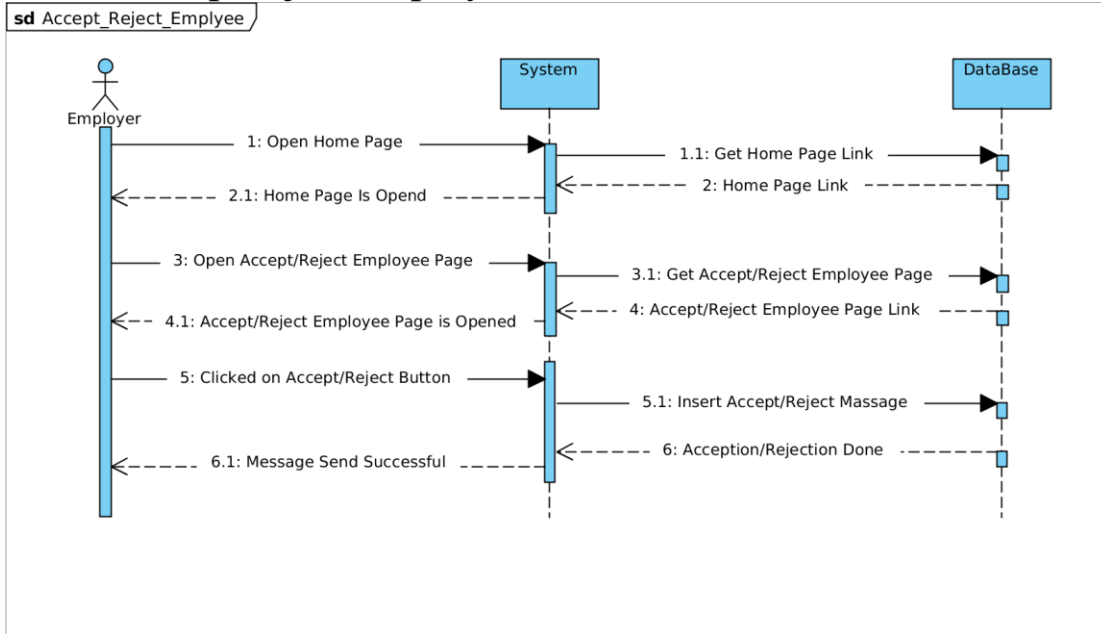
3.5.3.4 log in



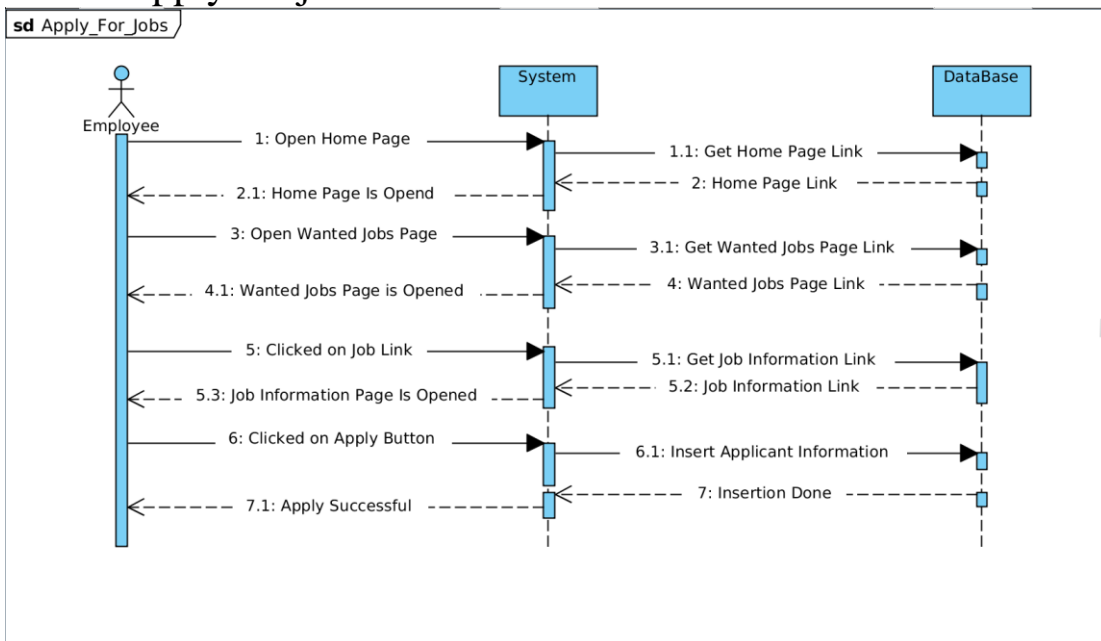
3.5.3.5 add jobs



3.5.3.6 accept/reject employee

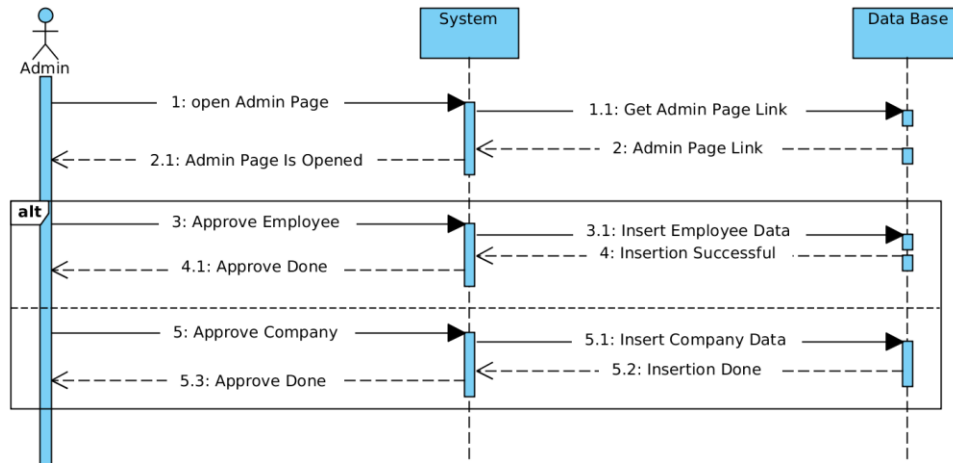


3.5.3.7 apply for job



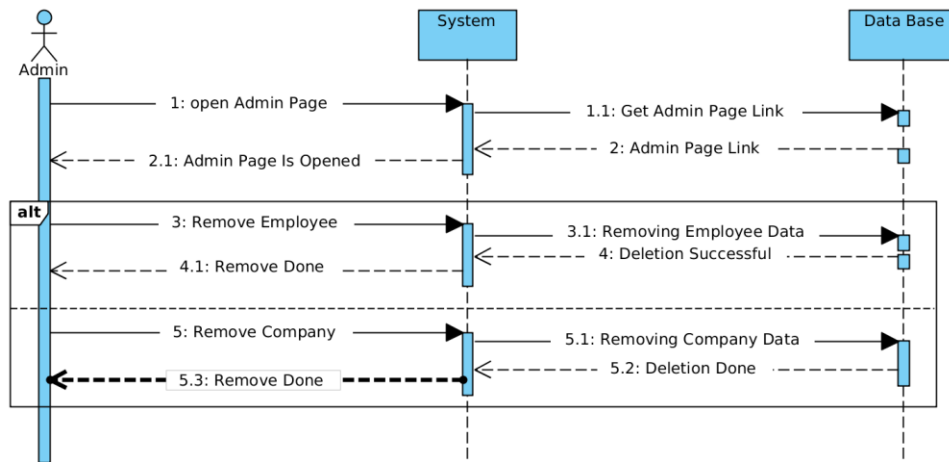
3.5.3.8 approve for jobs

sd Approve_Employee_Company

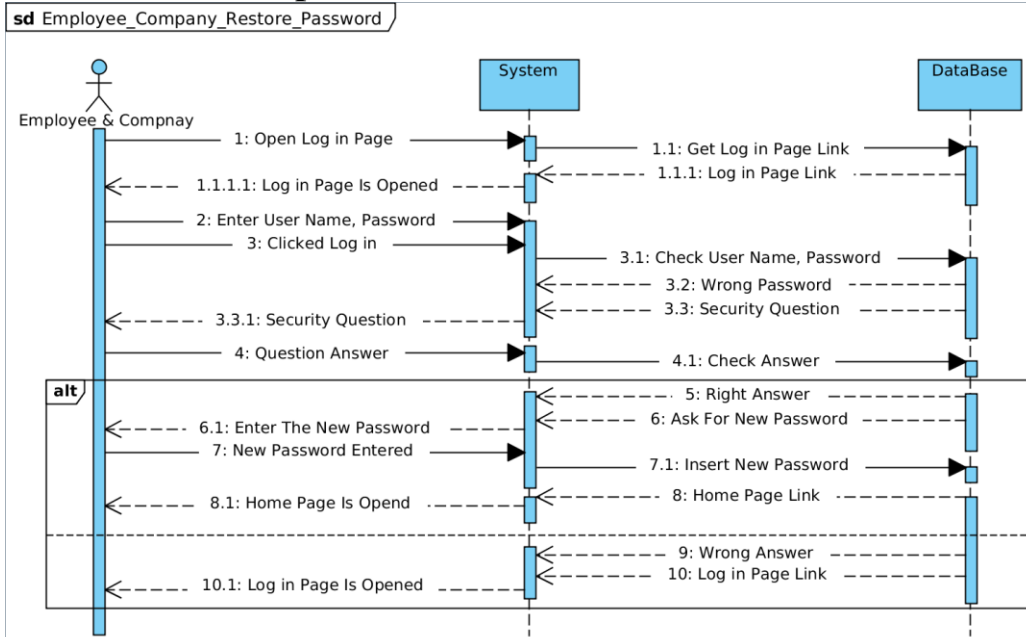


3.5.3.9 remove E_C

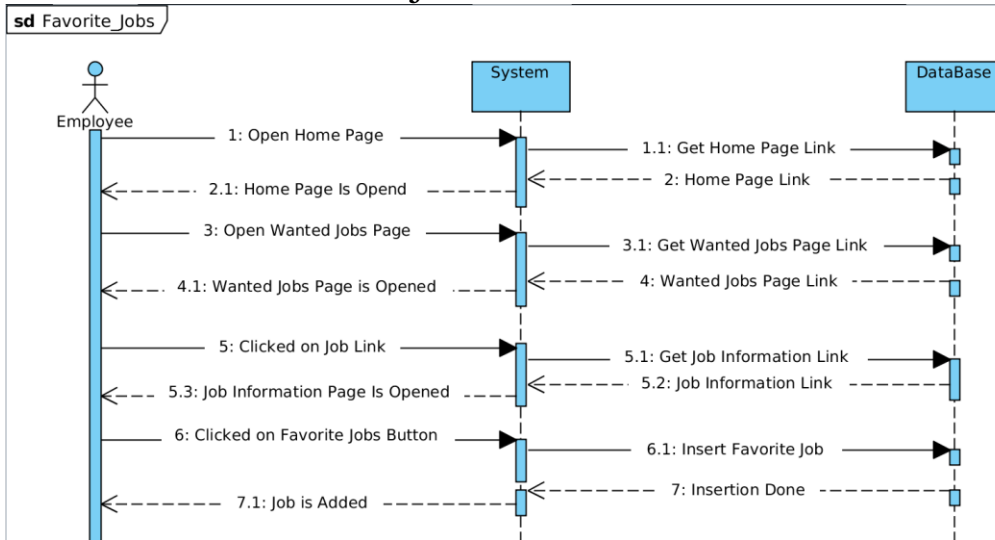
sd Remove_Employee_Company



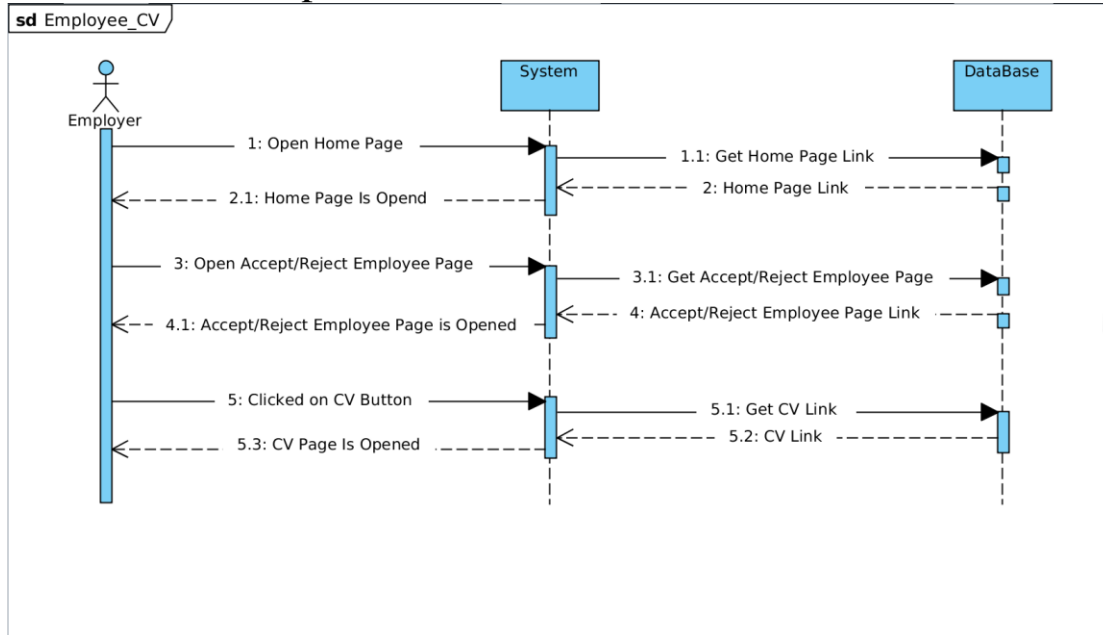
3.5.3.10 Restore password



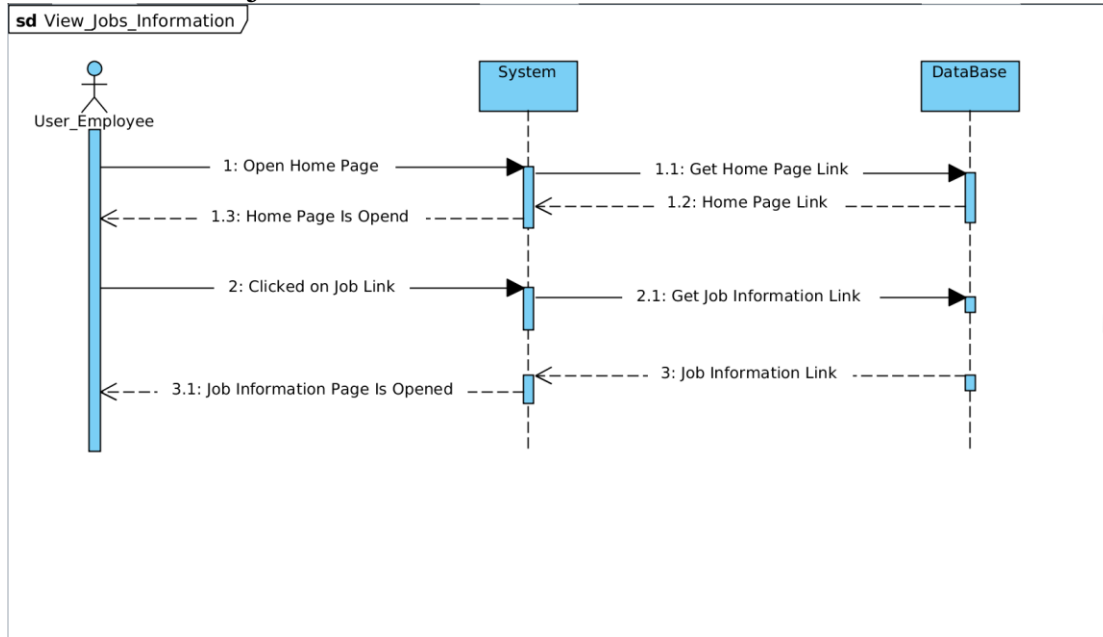
3.5.3.11 Select favorite job



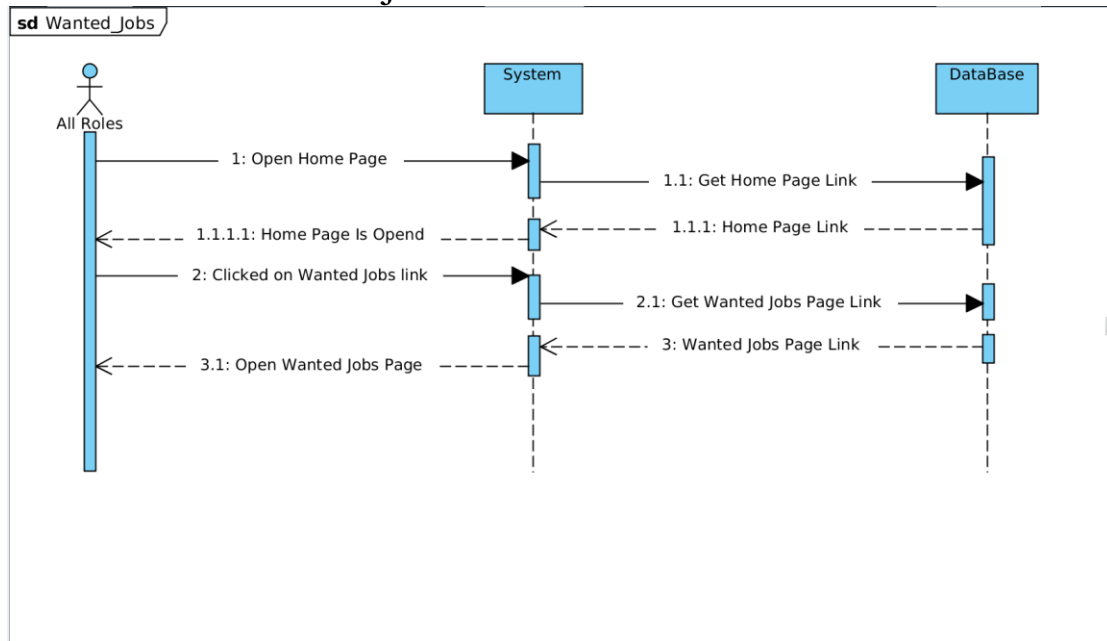
3.5.3.12 view emp. CV



3.5.3.13 view job info.

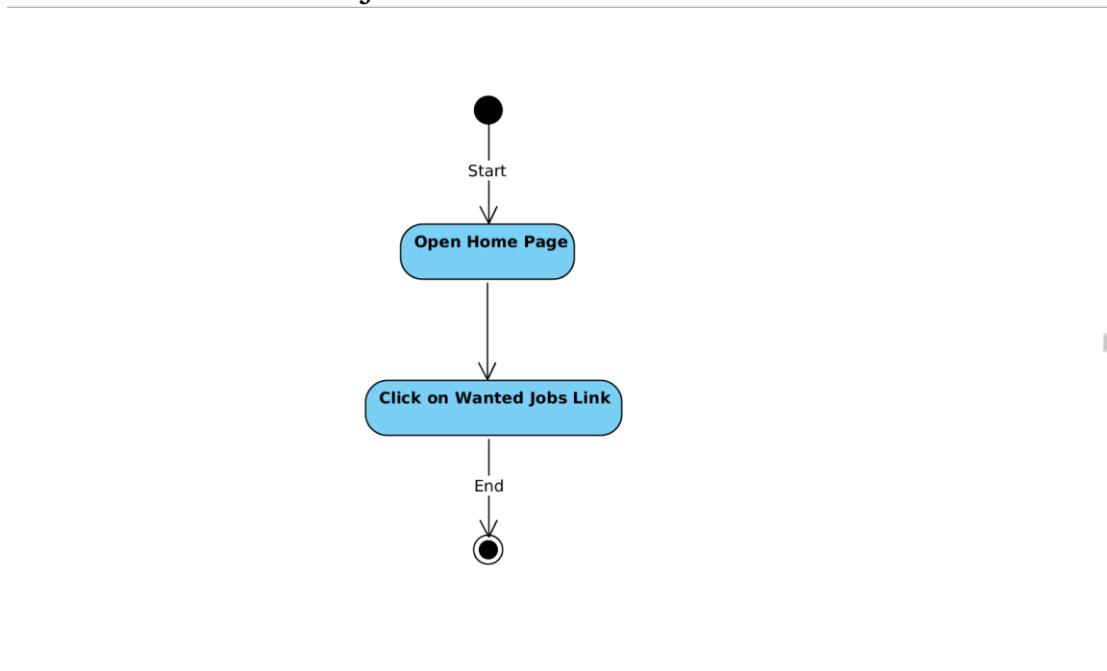


3.5.4.13 view wanted jobs.

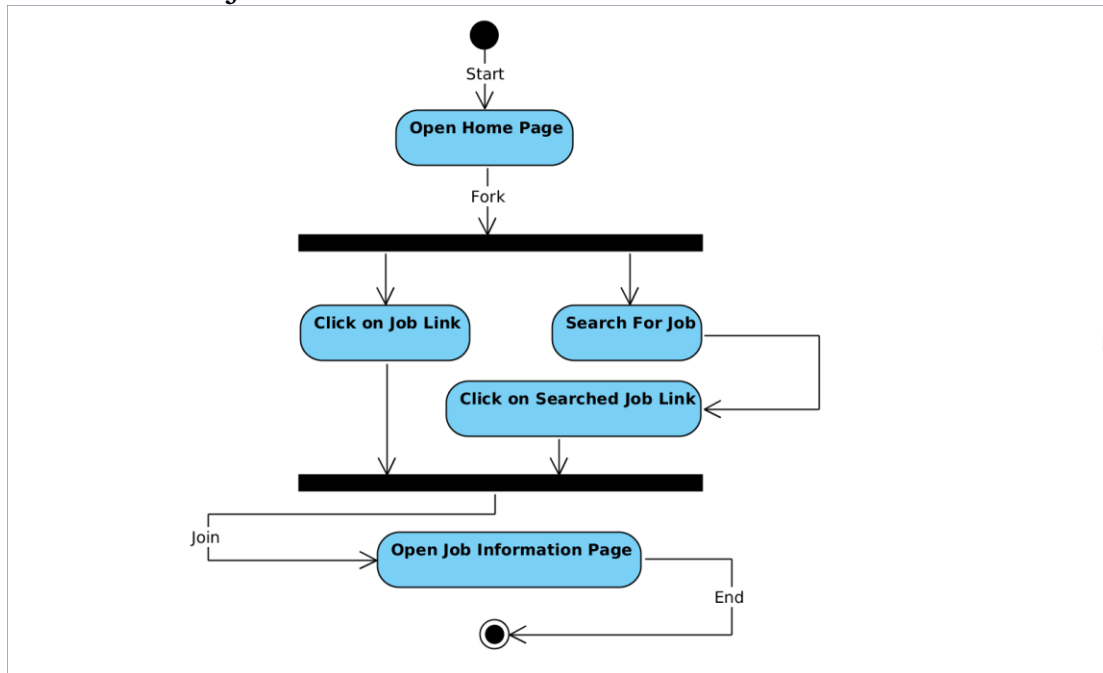


3.5.4 Activity diagram

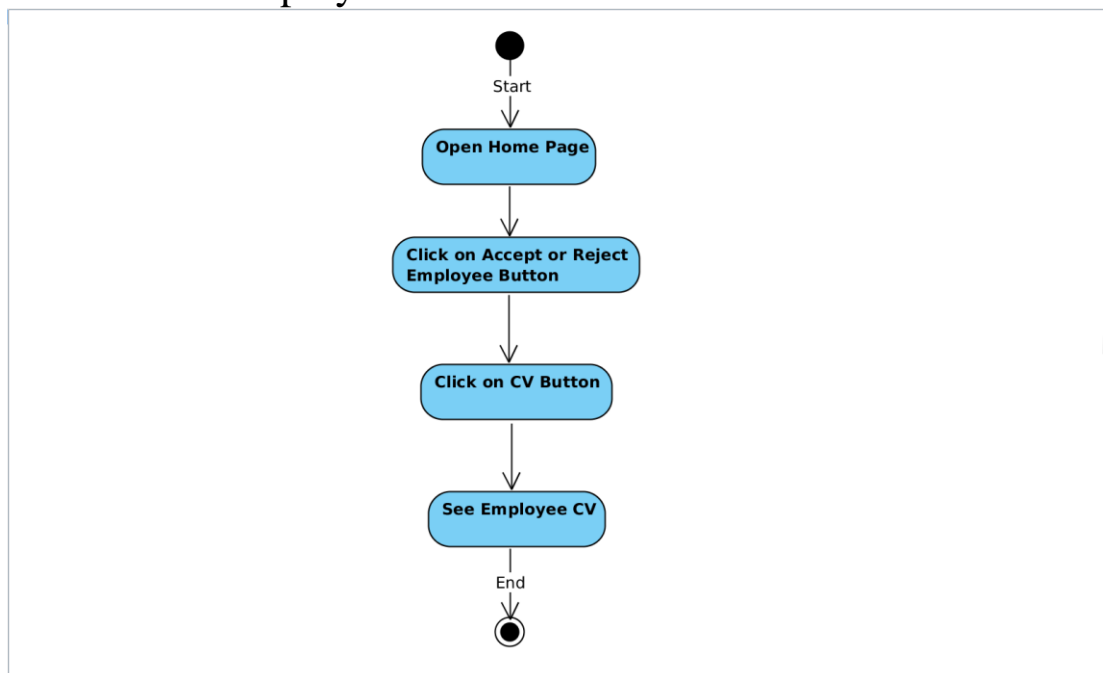
3.5.4.1 view wanted jobs



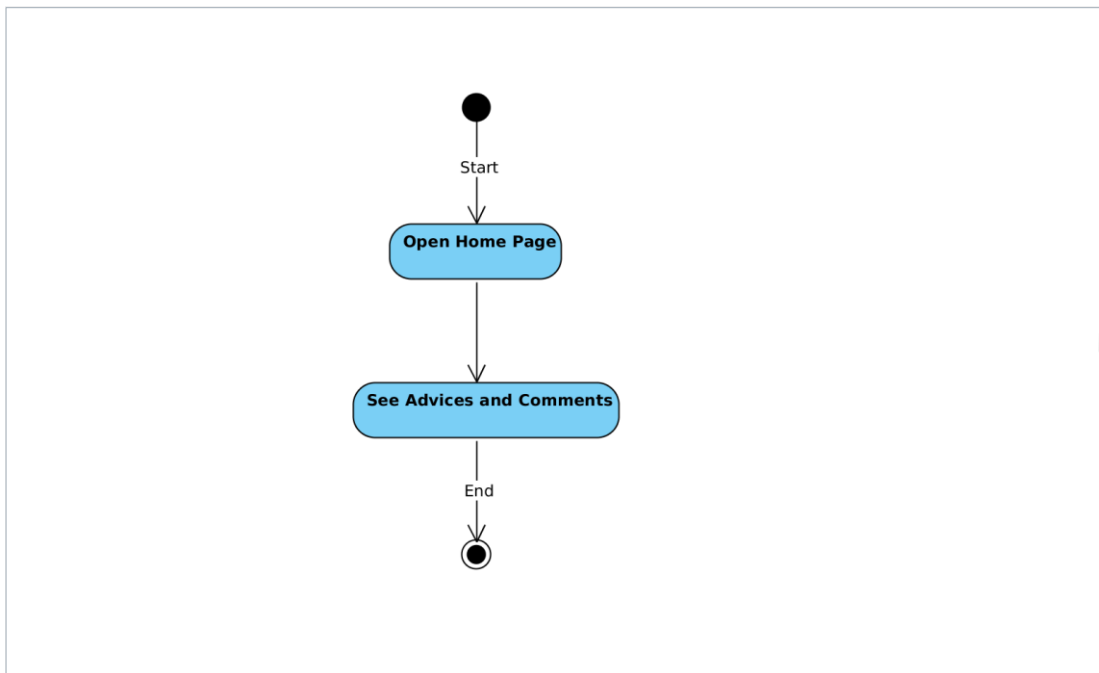
3.5.4.2 view job info.



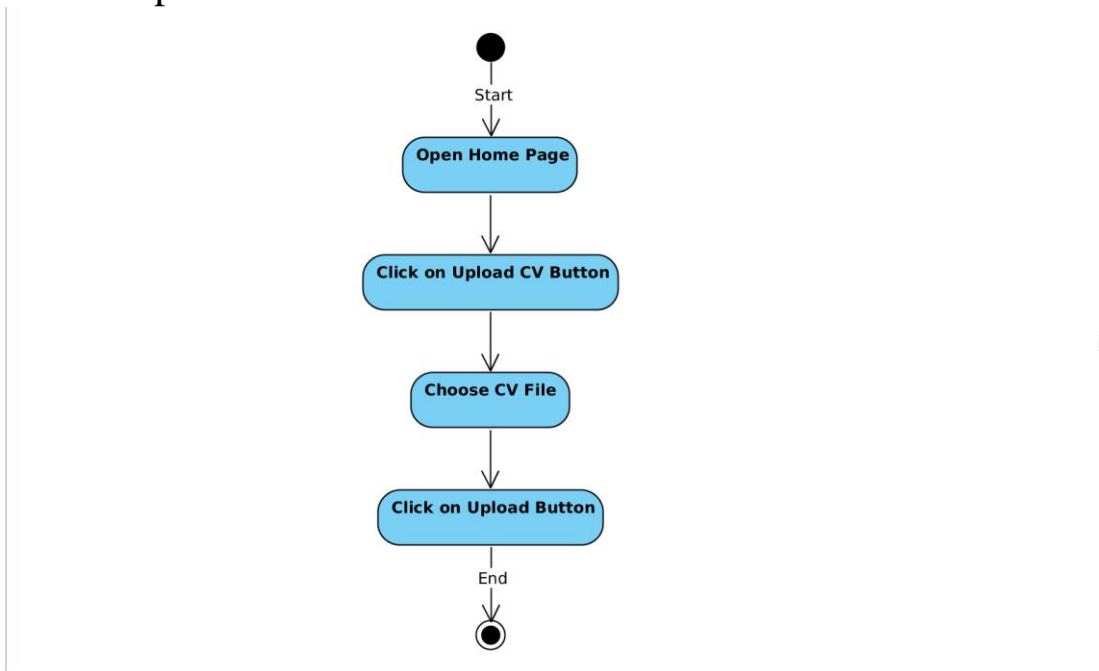
3.5.4.3 view employee cv



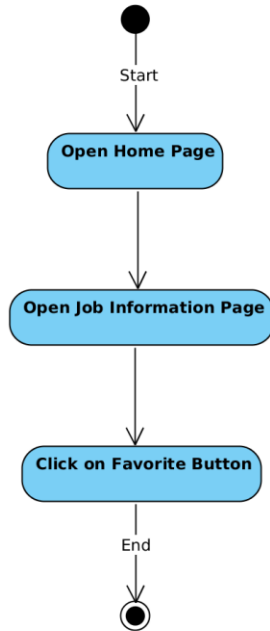
3.5.4.4 view advices comments



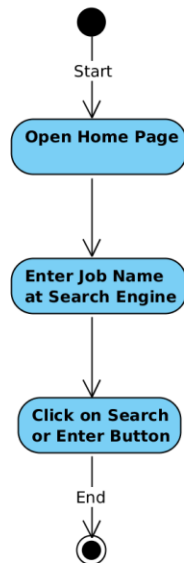
3.5.4.5 upload cv



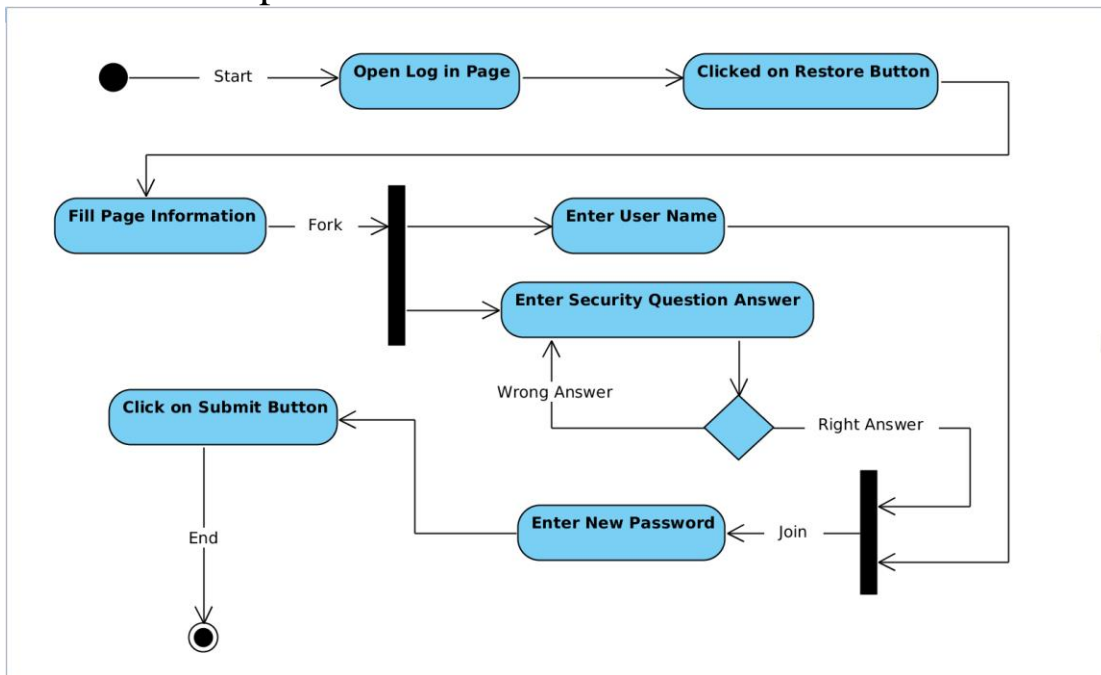
3.5.4.6 select favorite job.



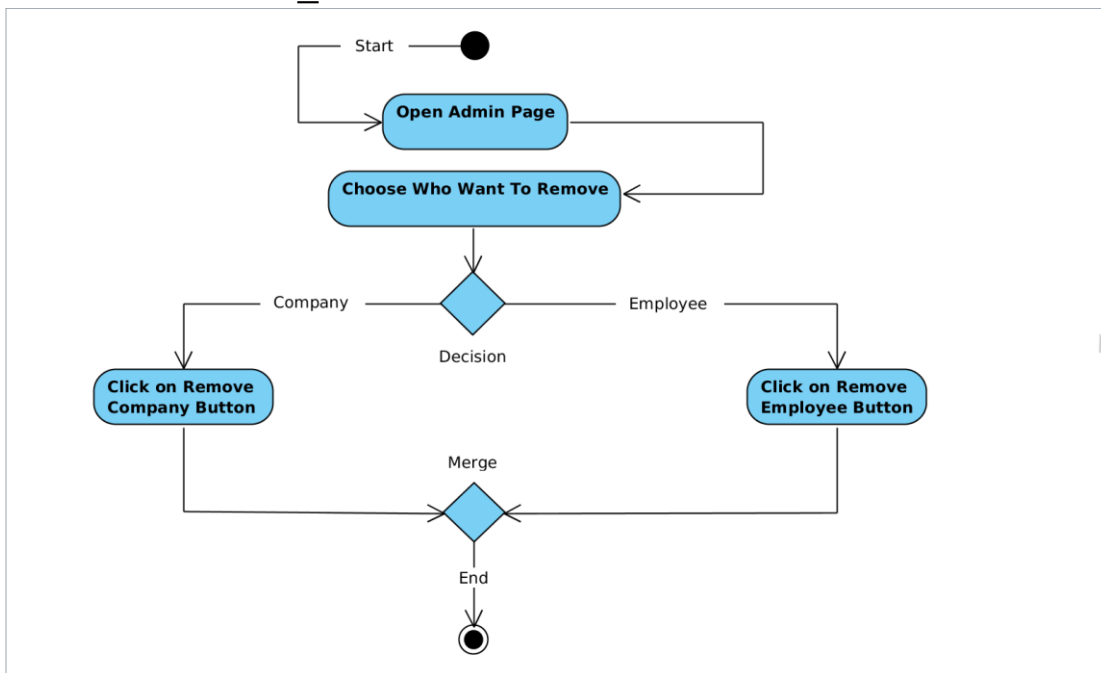
3.5.4.7 search for job



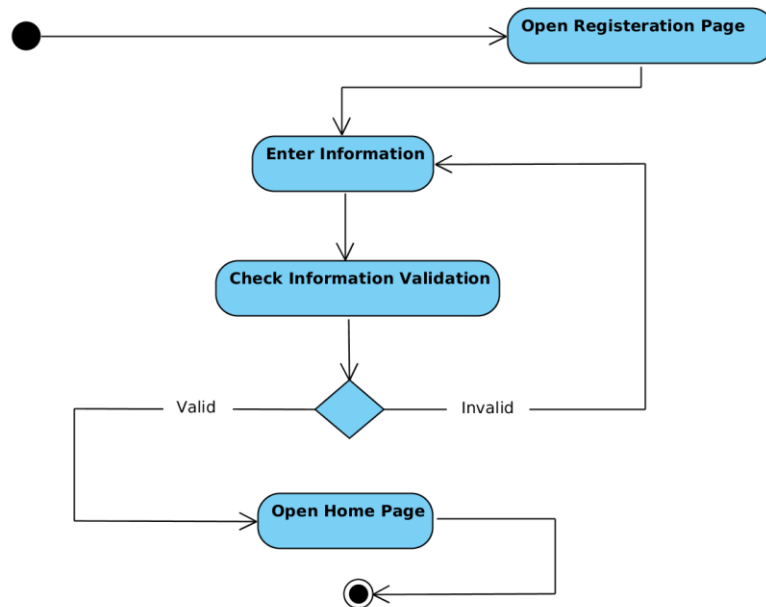
3.5.4.8 restore password



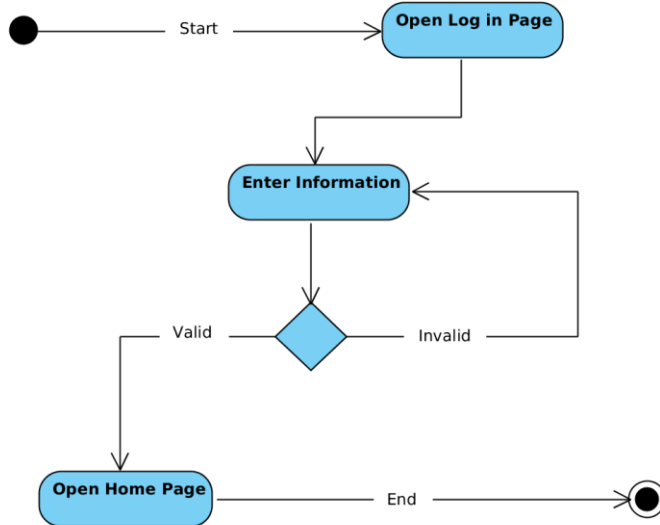
3.5.4.9 remove E_C



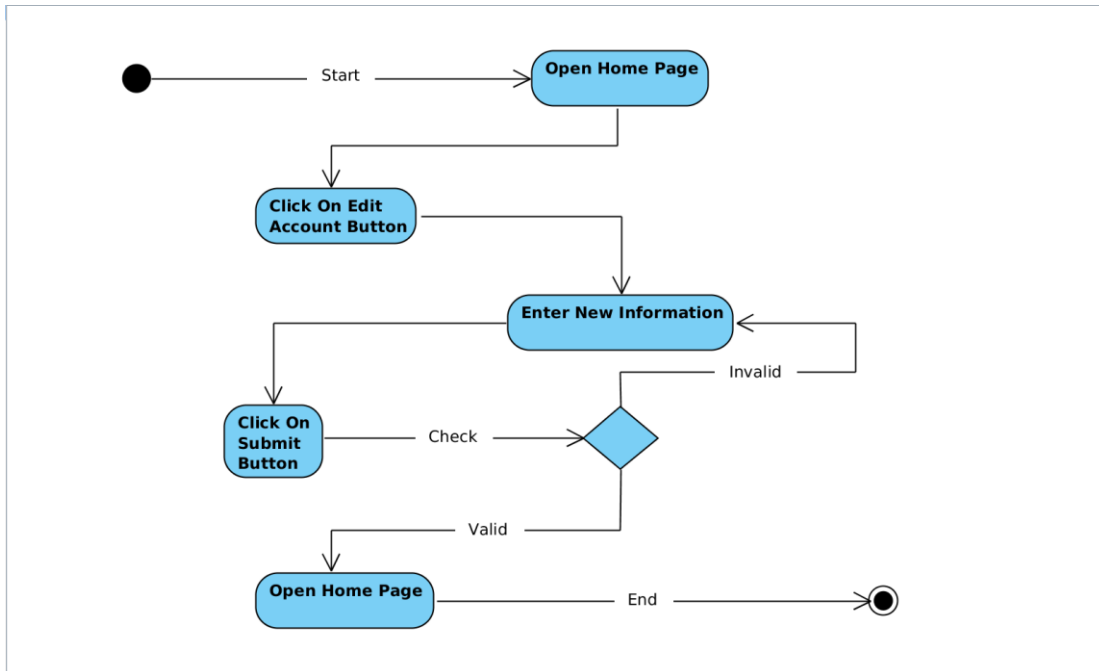
3.5.4.10 Register



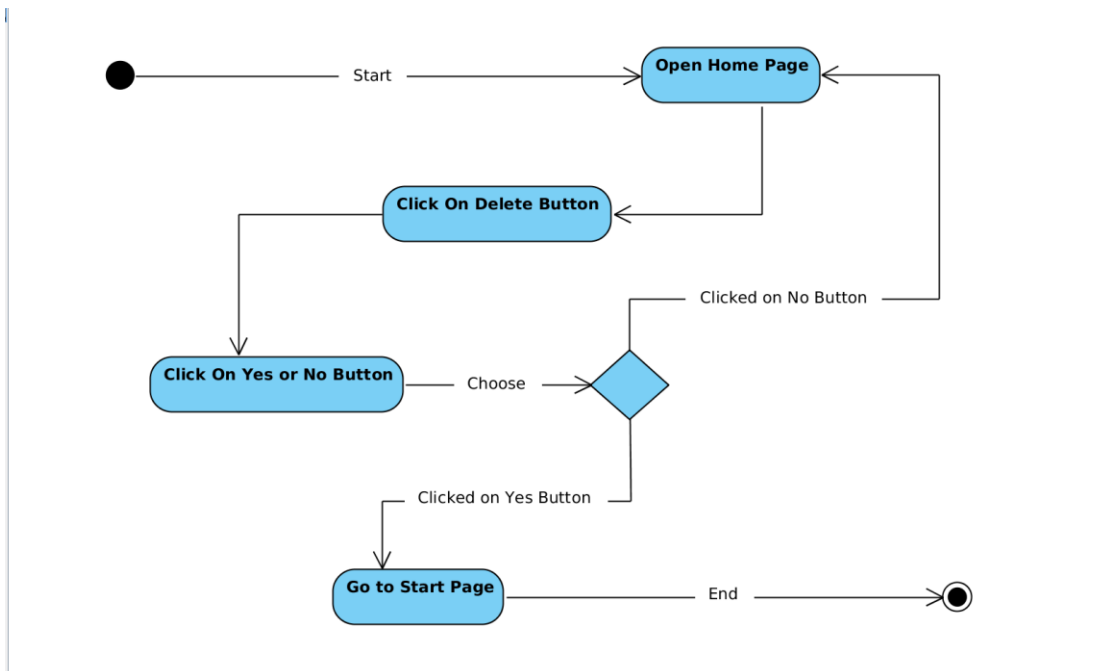
3.5.4.11 log in



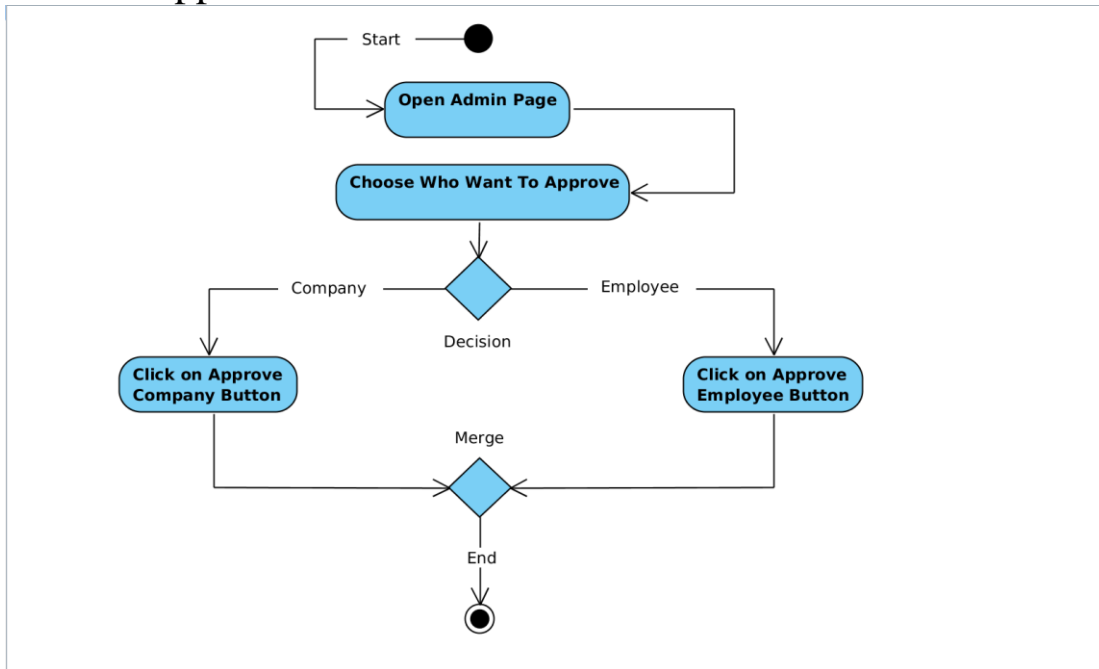
3.5.4.12 Edit



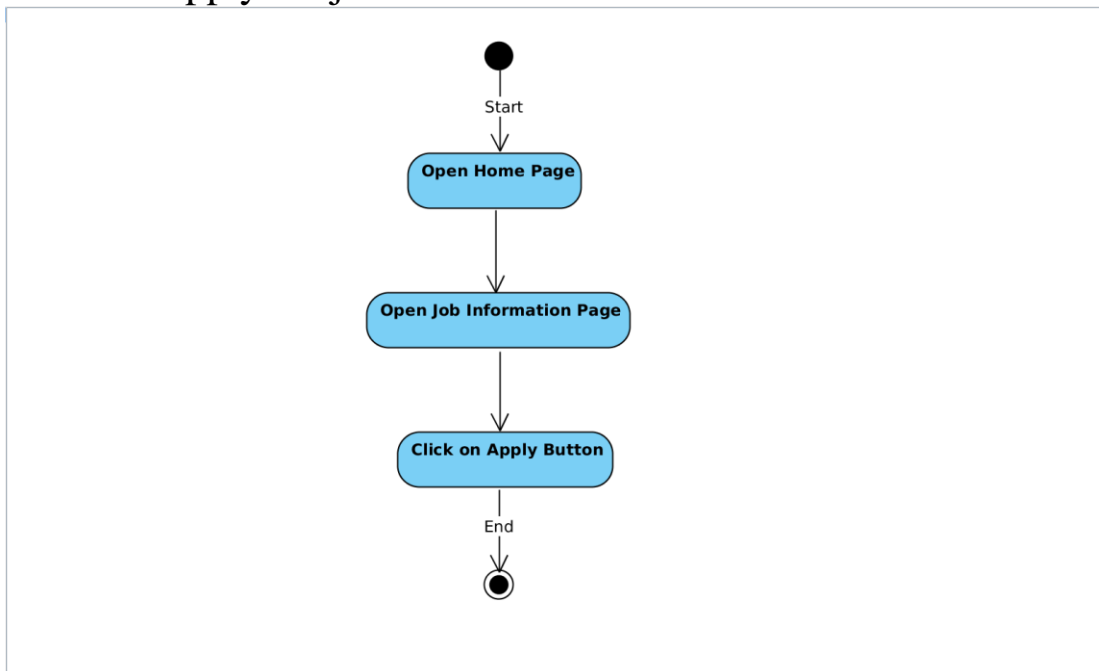
3.5.4.13 Delete



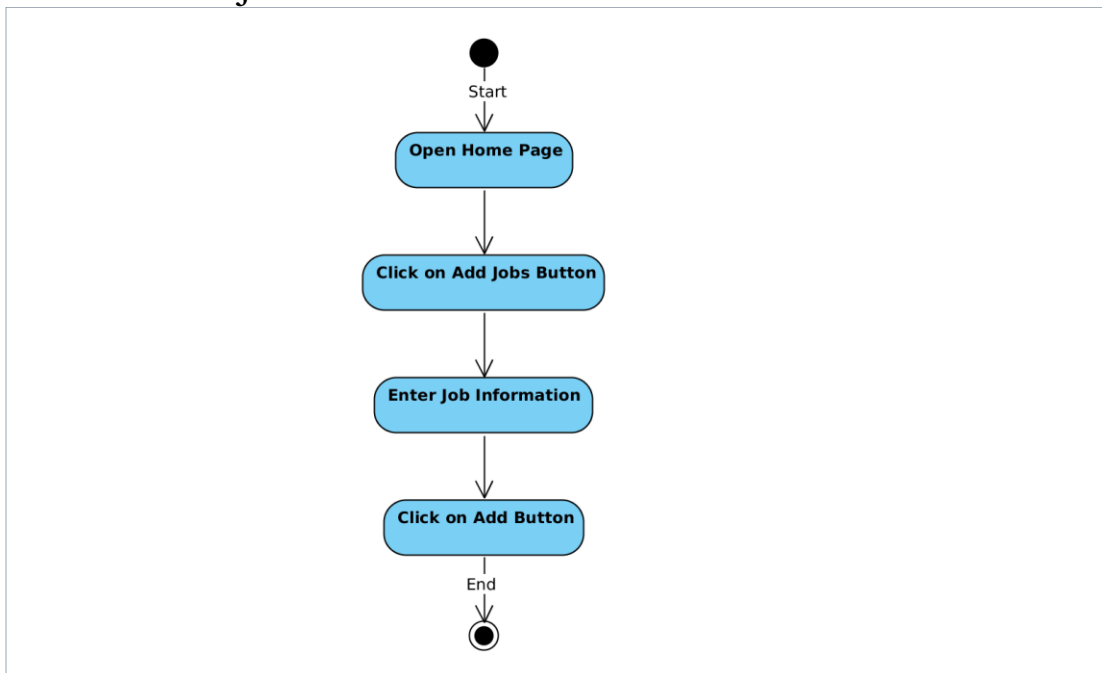
3.5.4.14 Approve E/C



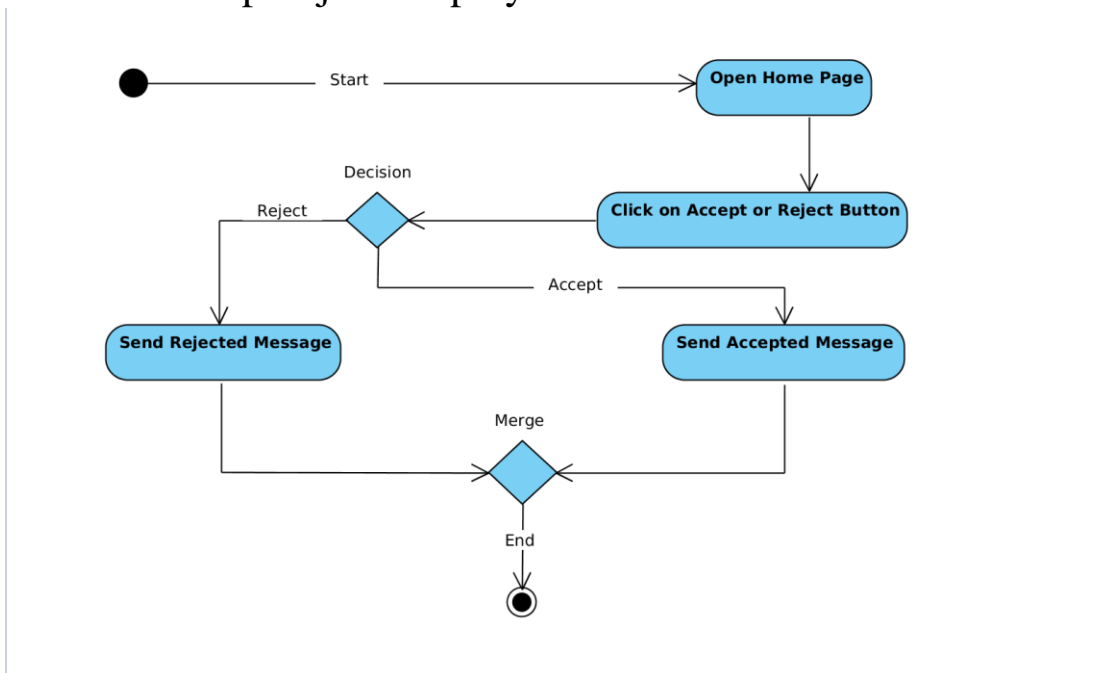
3.5.4.15 Apply for job



3.5.4.16 Add jobs

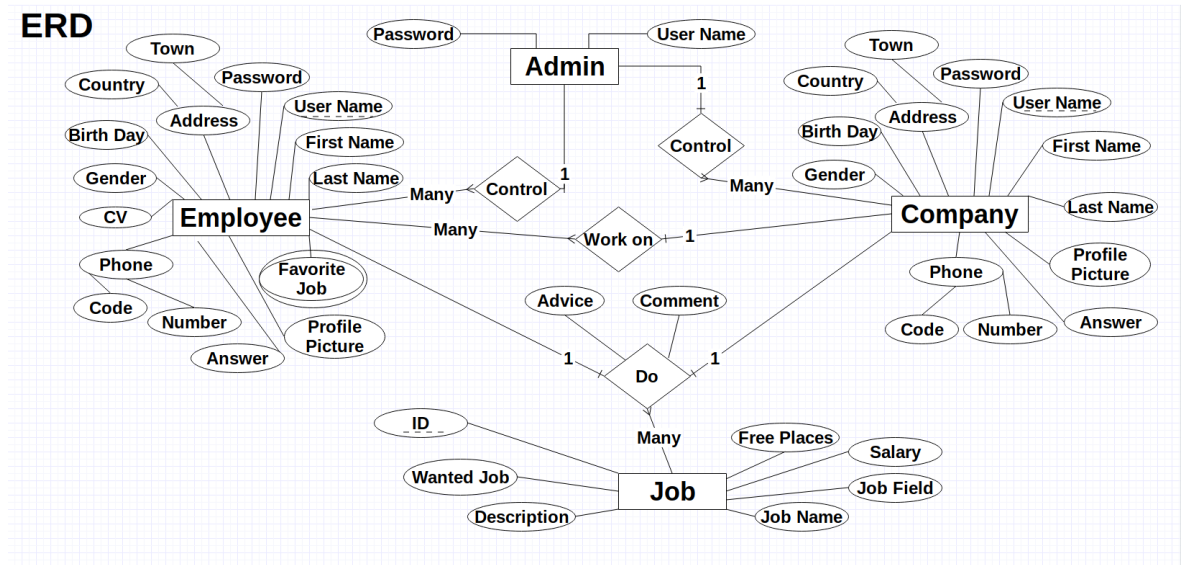


3.5.4.17 Accept reject Employee



4 Data Design

4.1 Data Dictionary



5 Human Interface Design

5.1 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.

5.2 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.

5.3 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.

5.4 Software Interface

Client on Internet

Web Browser, Operating System (any)

Client on Intranet

Web Browser, Operating System (any)

Data Base Server

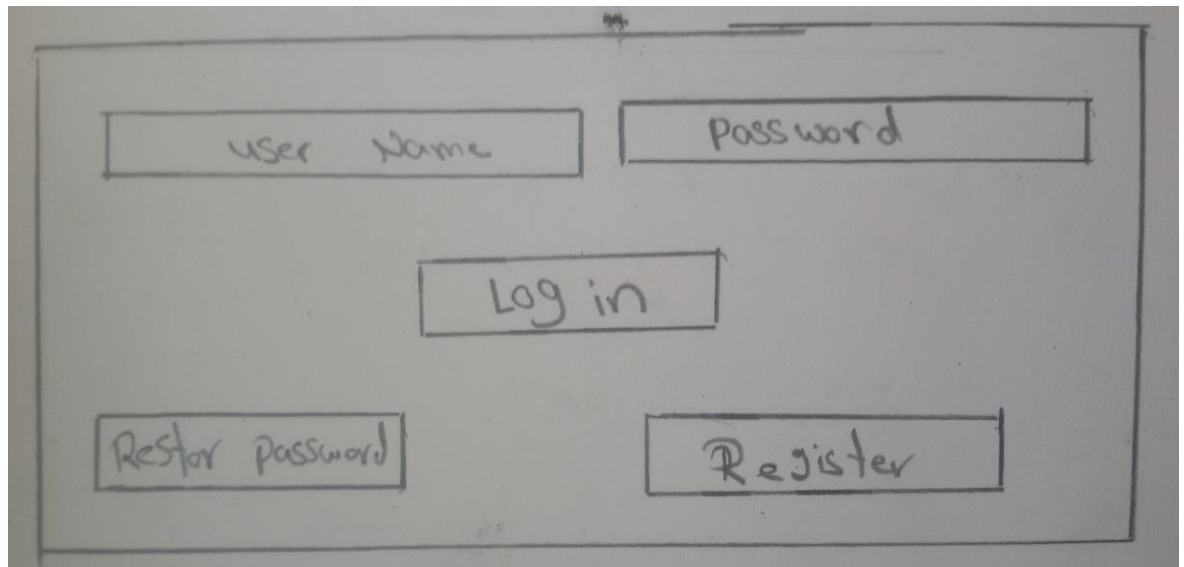
MySQL, Operating System (any)

Development End

PHP, HTML5, CSS3, MySQL, OS (Windows)

5.5 Screen Images

Log in:



A hand-drawn diagram of a login form. It consists of a large rectangular frame containing four smaller rectangular boxes. At the top left is a box labeled 'user name'. At the top right is a box labeled 'password'. In the center is a box labeled 'Log in'. At the bottom left is a box labeled 'Reset password'. At the bottom right is a box labeled 'Register'.

Account Info:

A hand-drawn sketch of a form titled "Account Info" written vertically on the left. The form contains four input fields: "User Name", "Password", "Security Question" (with a wavy line and a question mark below it), and "Answer". A "Submit" button is located on the right side of the form.

Edit Account:

A hand-drawn sketch of a form titled "Edit Account" divided into two sections. The top section, "Personal Information", includes fields for "First Name", "Last Name", and "Phone Number". The "Phone Number" field is split into "Code" (with a dropdown arrow) and "Number". To the right of these fields is a box for a "Profile Picture" with a silhouette icon. The bottom section, "Account Information", includes fields for "User Name" and "Password", followed by a "Submit" button.

Register:

The sketch shows a registration form divided into two main sections: "Personal Information" and "Account Info".

Personal Information:

- A placeholder for a profile picture (a circle with a person silhouette).
- Input fields for "First Name" and "Last Name".
- Dropdown menus for "Country" and "Gender" (with "Female" selected).
- A date input field labeled "DD/MM/YY".
- A dropdown menu for "Code".
- An input field for "Phone Number".

Account Info:

- An input field for "User Name".
- An input field for "Password".
- A "Security Question" section with a question mark and a line for the user to write.
- An input field for the "Answer".

A "Submit" button is located at the bottom right of the form.

5.6 Screen Objects and Actions

- Register: 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 and use the submit button to store data in the database.
- Log in: 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 or the user can restore the password or Register
- Edit the account: the user can edit his/her account as he wants he need to fill the data he

6 Reference.

1. Team members
2. Wikipedia & Google