



Daffodil
International
University

Course Project

Project Title

Employment Application Review System

Course Code: SWE331

Course Title: Object Oriented Software Development

MD. Khalid Hasan Haidar	151-35-955
Section	B
Supervisor Name	Md. Alamgir Kabir
Department	Software Engineering
Faculty of Science and Information Technology	

Date: 06-12-17

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Chapter 1: Introduction

1. Introduction

Employment Application Review System (EARS) is an intranet-based application system, where applicants can apply through online & faculty member can find the best applicant for a given job opening. Faculty member also can add new member, List & review applicants. So that it can reduce time & easily shorted best applicant.

1.1 About the System

EARS is internet based application, So this system have following features:

- Log-in
- Manage system users
- Add new faculty member
- List & review applications
- Account setting

1.2 Purpose

The main purpose of the system is applicants can apply through online easily so they don't need to apply through himself & also it reduce time for applicants & the faculty member can find easily best applicant so it can also reducing the working process. Faculty member can manage system users also they can add new member. Any member can assign faculty member for review applicants. Also member can create new account for applicant's. So total system maintain is very easy & reducing time.

1.3 Scope

- Easily add any member.
- Shorted best applicants list.
- Review applicants list.
- Online applications.
- Reducing time.
- Maintained very easy.

1.4 Vision

The main vision of the system is to choose best applicant easily & reducing time.

1.5 Why the system is needed?

The system is needed for assign new faculty member. Applicants can apply for job through online. So faculty member can easily find out best applicants. Also they can review their applicants so that member can reduce their time

1.6 Proposed Solution

- Online Job Applicant
- Online Drop CV
- Shorting best CV
- Time Consuming

Chapter 2: System Analysis

2.1 Actor Goal List

Actor	Goal
Faculty	Manage Applications Manage Faculty Manage Accounts
Applicant	Manage Accounts Submit Job Application

2.2 Use Case Model

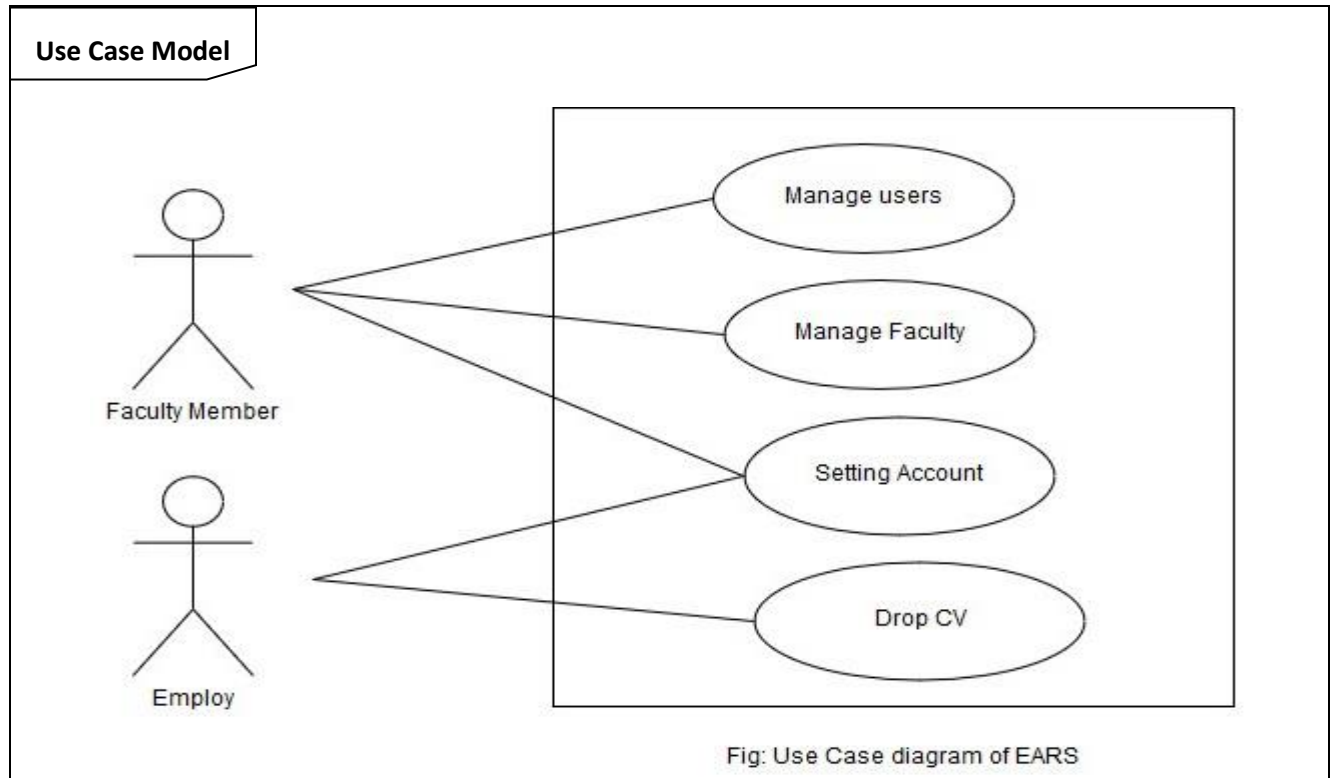


Fig:1

2.3 Use Case Description

2.3.1 Manage User

Use Case Name:	Manage User	
Scenario:	Applicant's List	
Brief Description:	When applicants will submit their application for a job, faculty will list all the applications and all the faculties can review their application like view profile, post comments on applicants, change applicants' status, perform a faculty review, assign faculty review.	
Actors:	Faculty Member	
Stakeholders:	Faculty member accept the applications.	
Pre-conditions:	Applicants must be submitting their application.	
Post-conditions:	Applicants can do all things after successfully applicants.	
Flow of Events:	Actor	System
	1. Faculty accepts the application. 2. Faculty can view applicant's profile. 3. Faculty can review applicant's application. 4. Faculty can post comments on applicants. 5. Faculty can change applicant's status. 6. Faculty can assign faculty review.	4.1 Add new comment. 6.1 Add new review.
Exception Conditions:	1.1 If member does not accept any application then applicant's does not have to do anything.	

2.3.2 Manage Faculty

Use Case Name:	Manage Faculty	
Scenario:	Add new faculty	
Brief Description:	Faculty member can add any member also they can search any member, search members starting & ending date, add new committee.	
Actors:	Faculty Member	
Stakeholders:		
Pre-conditions:	Login into the system	
Post-conditions:	The faculty member can review applicants list & preview it.	
Flow of Events:	Actors	System
	1. Faculty will search for the name. 2. Faculty will add any person. 3. Faculty Can add new committee 4. View Faculty status	2.1 Send a request to the person. 3.1 Committee list provide
Exception Conditions:	1. If that searched member name does not exist, then faculty can't add the person.	

2.3.3 Setting Account

Use Case Name:	Setting Account	
Scenario:	Set accounts name, email, title, password	
Brief Description:	For creating an account, user need to set a profile name, they have to an add email address. So that faculty can create a user account by using this information	
Actors:	Faculty, Applicant	
Stakeholders:		
Pre-conditions:	Faculty and applicant must have an email address.	
Post-conditions:	Faculty and user have to confirm to create and access their account.	
Flow of Events:	Actors	System
	1. User gives all these information, then an account will be created.	1.1 Send a confirmation email.
Exception Conditions:	1.1 If user does not give an valid email address then they won't be able to create their account.	

2.3.4 Drop CV

Use Case Name:	Drop CV
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Scenario:	Submit application	
Brief Description:	If applicant finds a job then they can submit their job application for that job.	
Actors:	Applicants	
Stakeholders:	Faculty member can review and select applicants.	
Pre-conditions:	Applicant have to check for their job available or not.	
Post-conditions:	Applicant provide their details for the job.	
Flow of Events:	Actors	System
	1. If the application is accepted then applicant will be received a confirmation message.	1.1 Send a confirmation message
Exception Conditions:	1.1 If the job application is not received then he applicant will not be received any message.	

2.4 System Sequence Diagram

2.4.1 Manage User

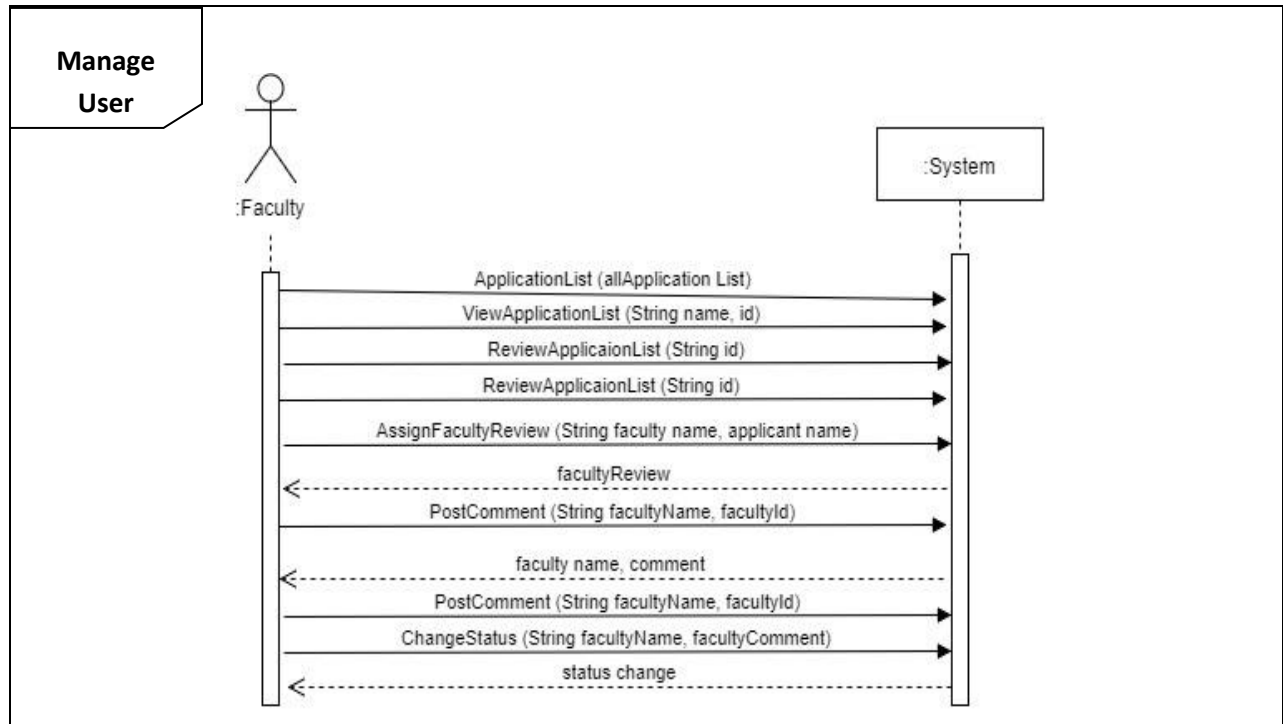


Fig:2

2.4.2 Manage Faculty

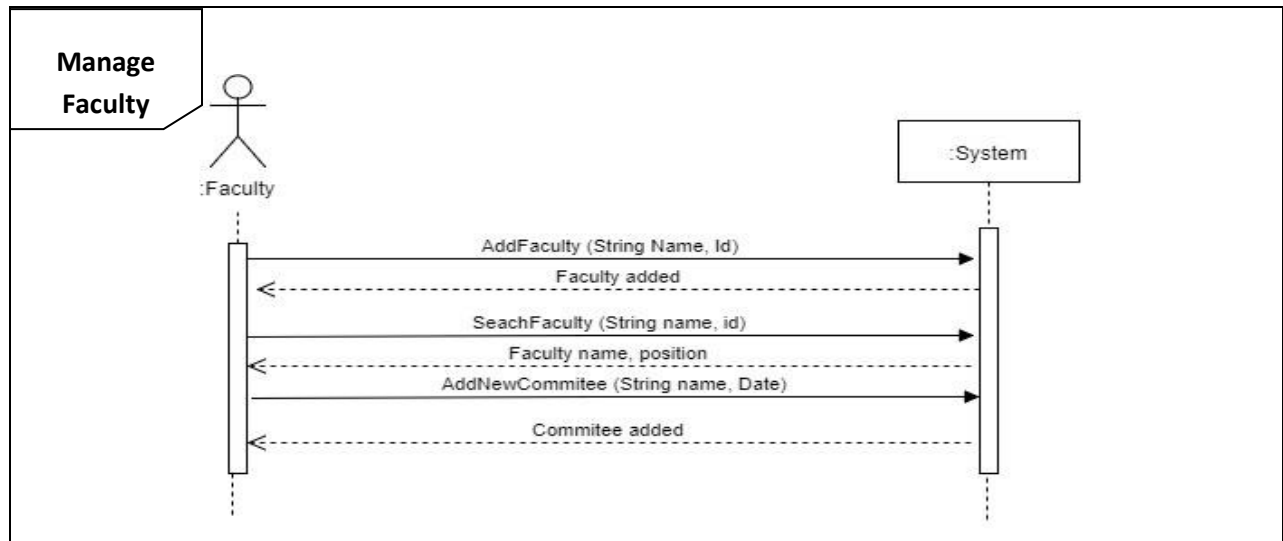


Fig:3

2.4.3 Account Setting



Fig:4

2.4.4 Drop CV

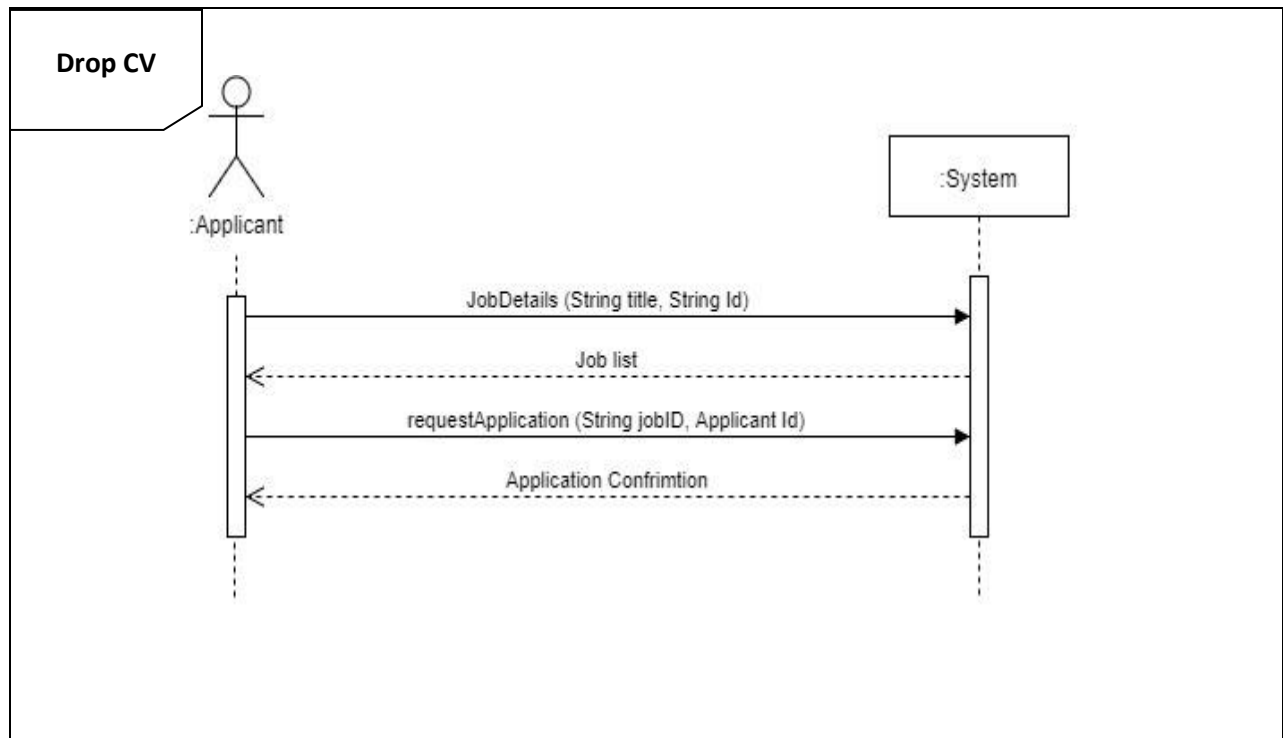


Fig: 5

2.5 Domain Model

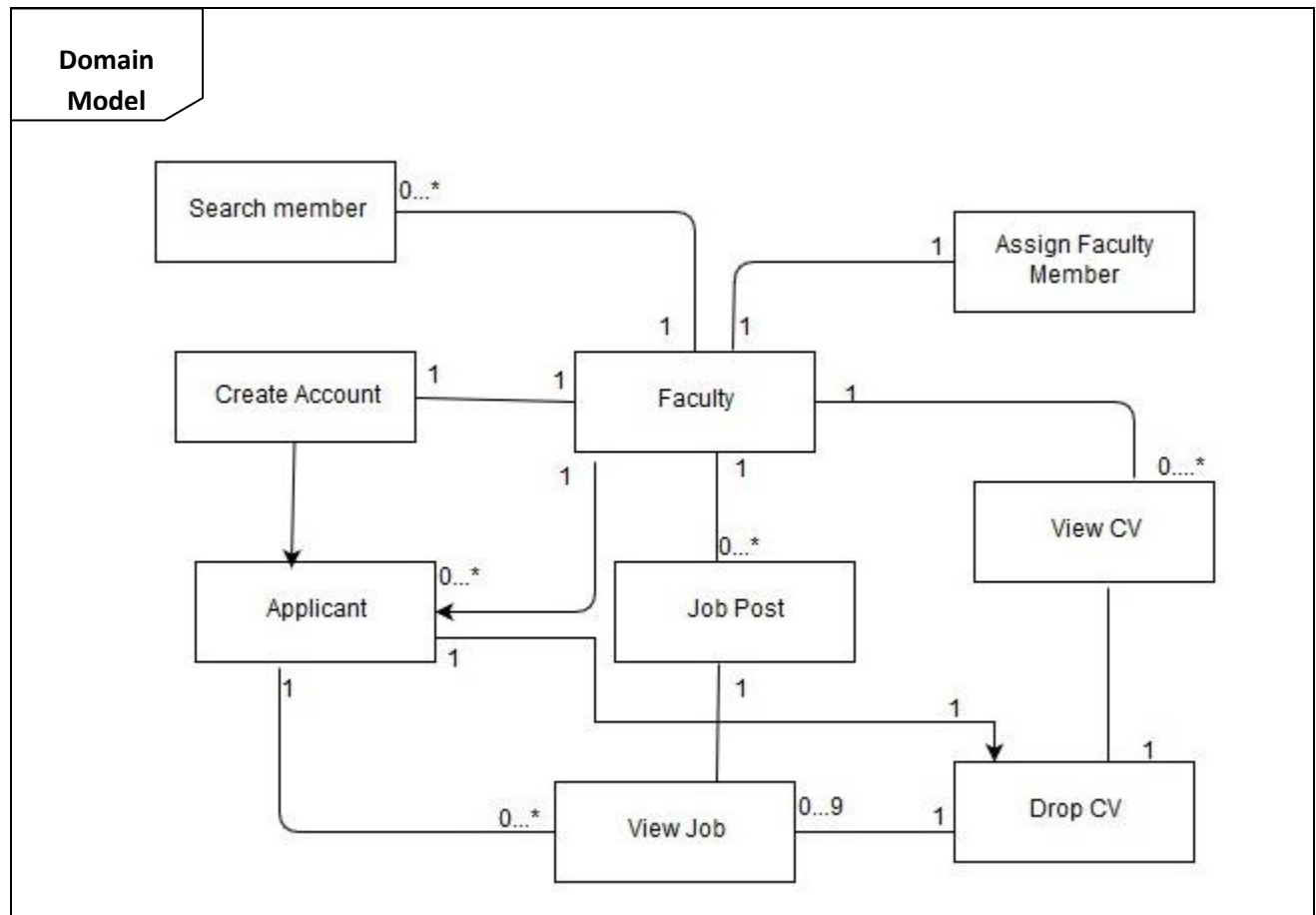


Fig: 6

2.6 Activity Diagram

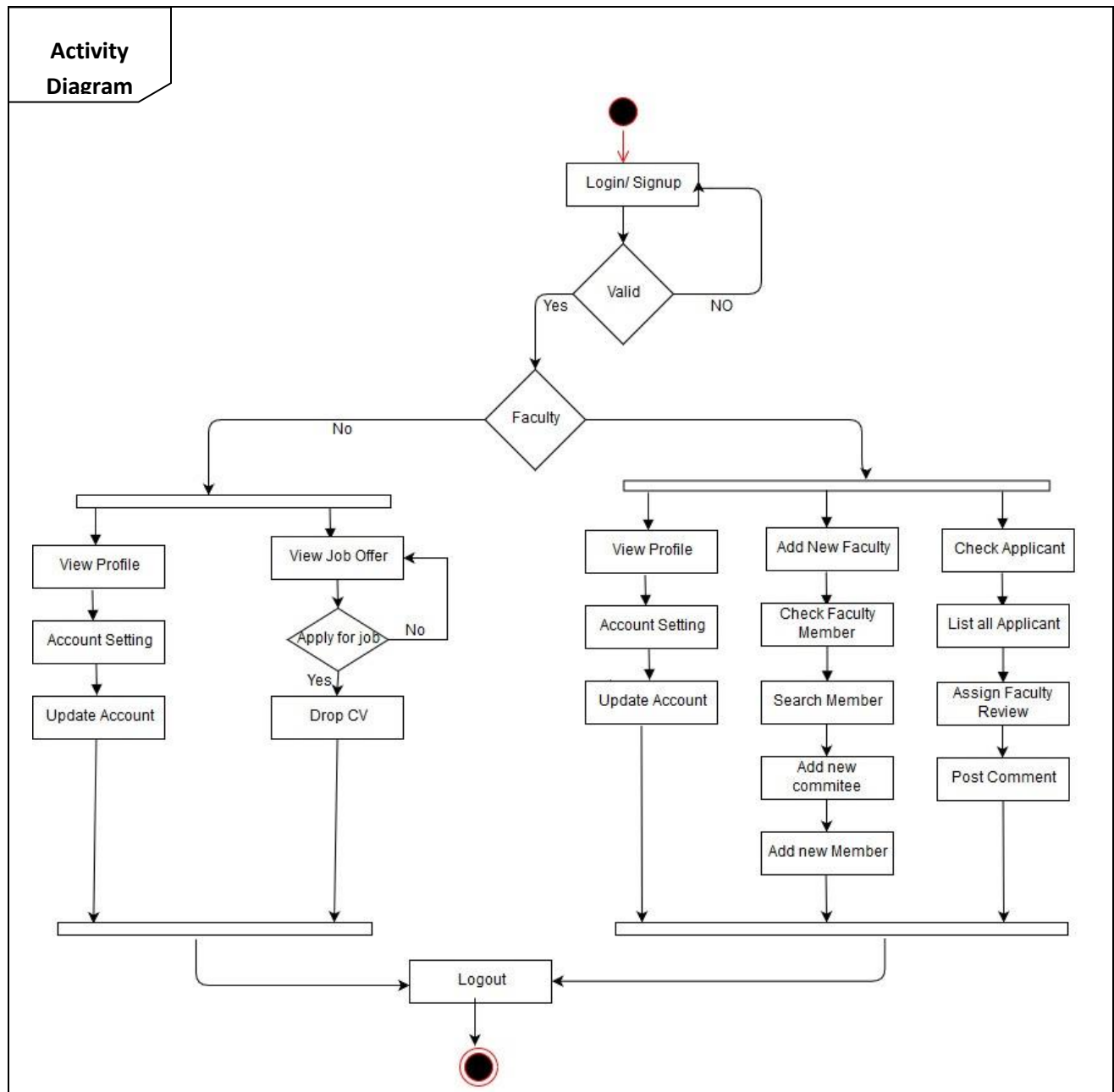


Fig: 7

Chapter 3: System Design

3.1 Sequence Diagram

3.1.1 Manage User for Success Scenario

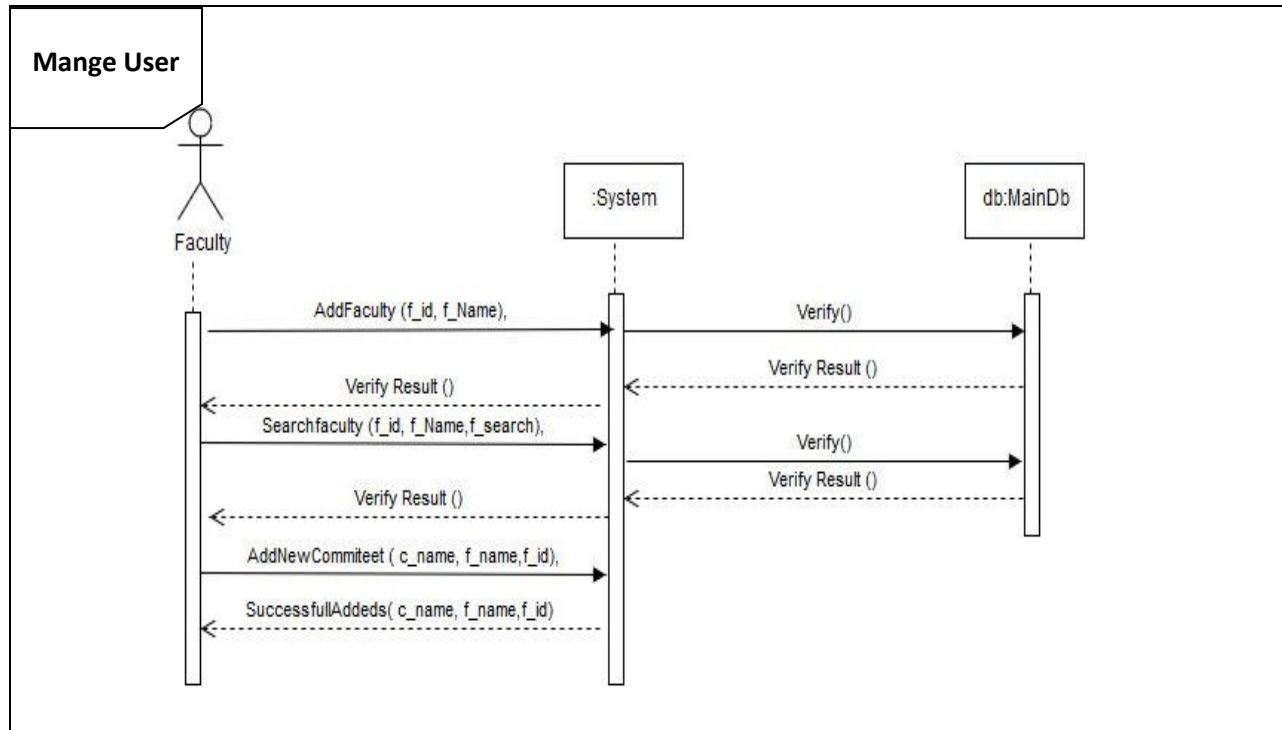


Fig: 8

3.1.2 Manage Faculty for Success Scenario

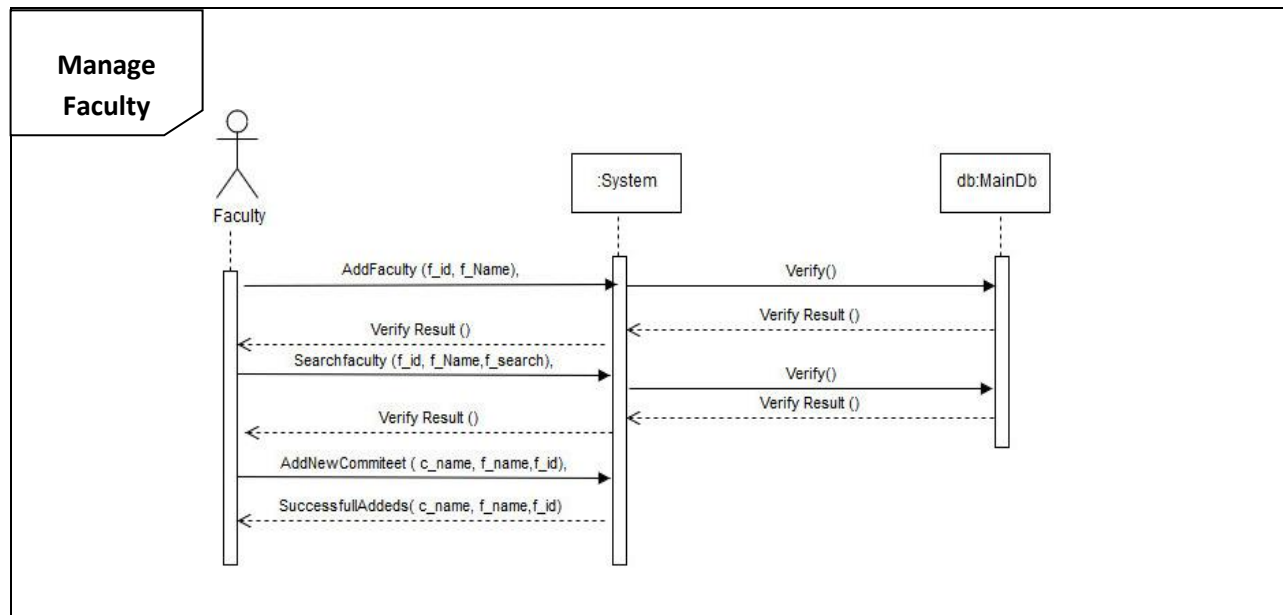


Fig:9

3.1.3 Account Setting for Success Scenario

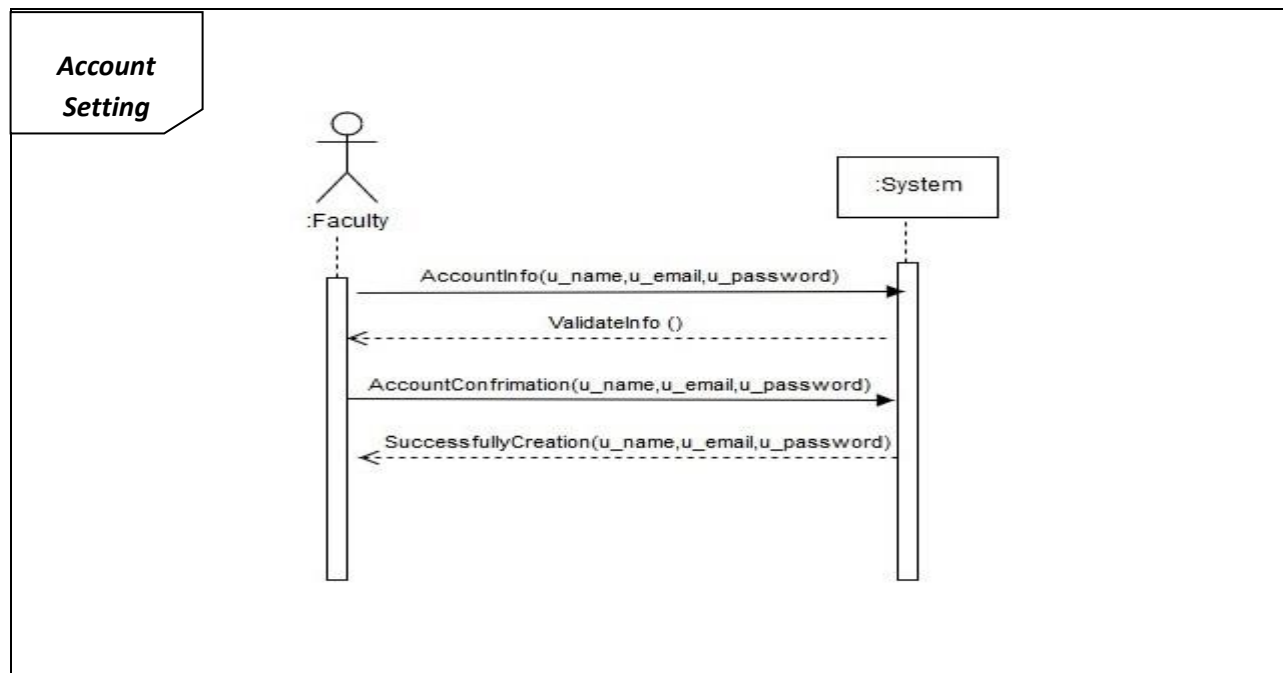


Fig: 10

3.1.3 Drop CV for Success Scenario

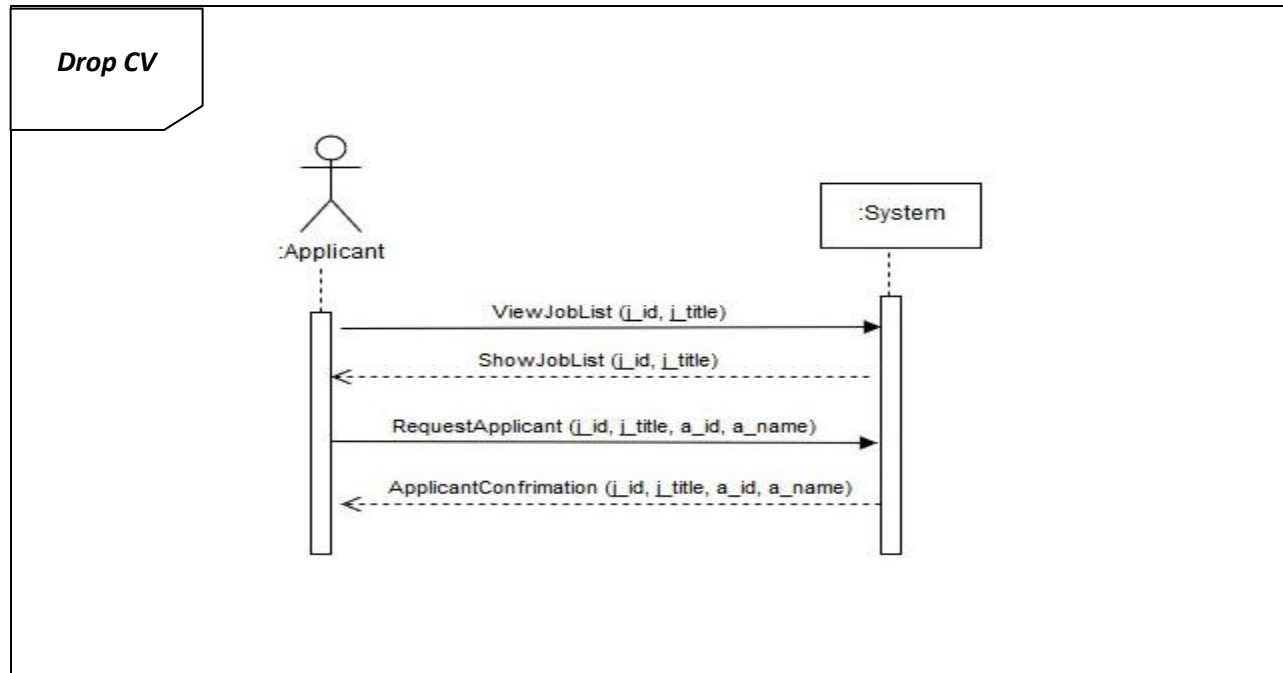


Fig: 11

3.2 Class Diagram

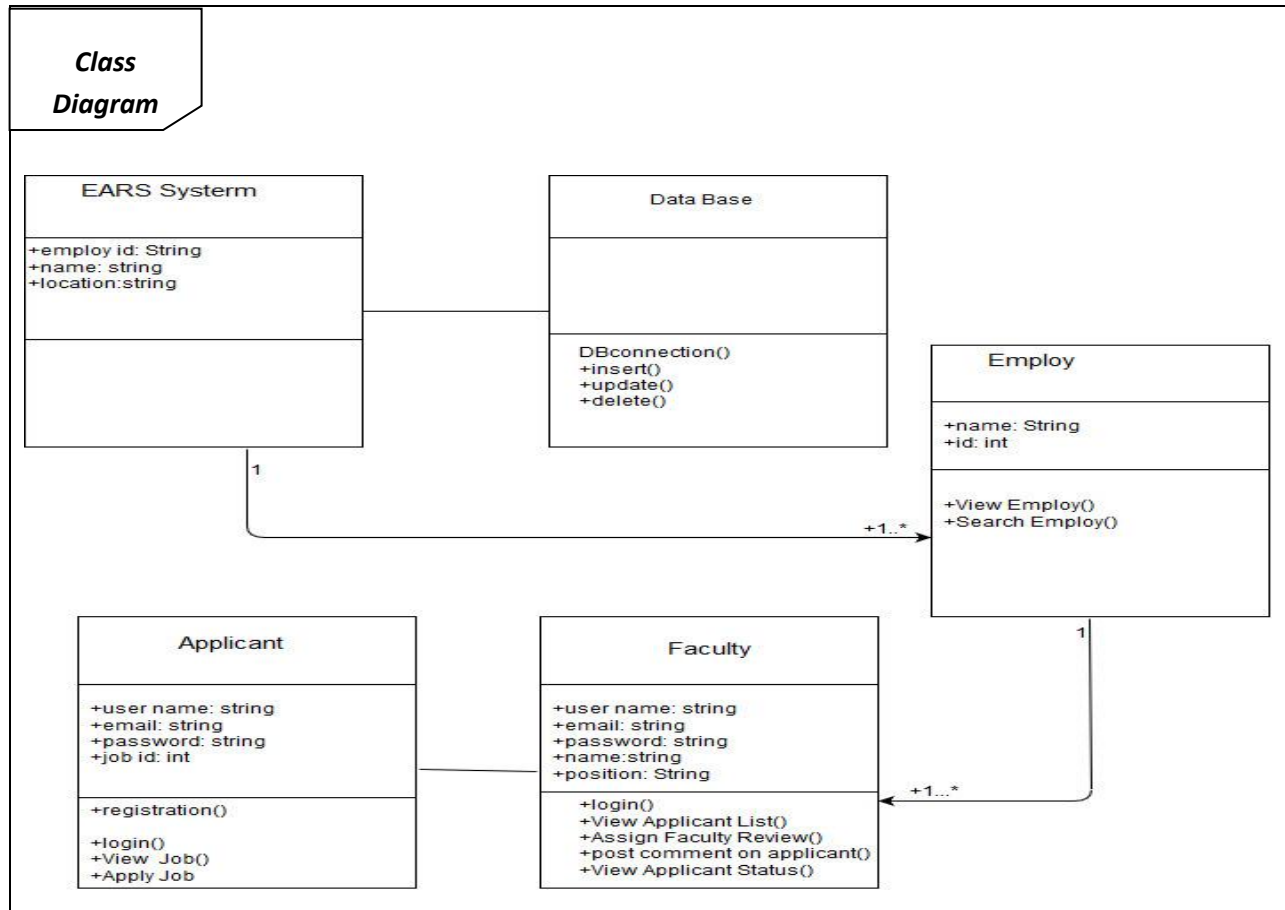


Fig: 12

Chapter 4: Implementation

4.1 Tools & Technologies

For developing this system what tools and technologies will be used are given below:

- ✚ **Framework:** Laravel
- ✚ **Programming Language:** PHP
- ✚ **Server:** mysql.
- ✚ **Platform:** Support on web based.
- ✚ **Front in Design:** MDBootstrap
- ✚ **Web Browser:** Chrome, Mozilla Firefox
- ✚ **Diagram:** draw.io

GitHub Link:

https://github.com/hemelswe/EARS_System