



SRS Document

For

< Faculty Research Portfolio System >

Version <2.5>

Prepared by

Group Name: < Team 1 >

<Alajmi, Rayan>
<Alswailem, Mohammed>
<Alshoshan, Abdullah>

<201436120>
<201336010>
<201442960>

<s201436120@kfupm.edu.sa>
<s201336010@kfupm.edu.sa>
<s201442960@kfupm.edu.sa>

Instructor: <Dr. Hamdi Aljumaymi>

Course: <SWE363>

Section: <02>

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Project Leader: <Alajmi, Rayan>

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1. Introduction

i. PURPOSE:

This document outlines the vision for the software of a Faculty research portfolio system where researchers and faculty members can develop and maintain their own research portfolios and generate various types of reports.

The purposes of this document are to:

- Gathering and identifying requirements.
- Listing down the key features of our program.
- Identifying different stakeholders and describing them.
- Identifying any constraints to the proposed software.

ii. SCOPE

The “Faculty Research portfolio system” is a website where the user domain is researchers and faculty member of various universities and researches centers. Where they can add their publication such as articles, reports, and many more. They can also manage their profiles to specify what will be published.

iii. PROBLEM STATEMENT:

The aim of this project is to develop a web-based unified system that can be adopted within the Department to manage the members’ research portfolios and generate various types of reports.

iv. PROJECT Goals

- Keep track of Faculty and researchers portfolios
- Generate resumes for the users
- Generate websites for users
- Generate reports for the admins

v. Product Overview:

The aim of this product is to develop a web-based unified system that can be adopted within the department to manage the members’ research portfolios and generate various types of reports. The faculty can manage their profiles by adding their publication and generate their resume by selecting a template offered by the system, then the system will take info from their profiles. The system visitor have the ability to view faculty profiles and publication.

2. Overall Description

i. Organization and Content of the Website

1- Faculty view

1.1 profile

1.2 publications

1.3 memberships

2- Admin view

2.1 reports generation

2.2 portfolio request control

3- Anonymous access view

3.1 publication search

3.2 view faculty portfolio

3.3 view statistics

ii. Stakeholders, Users and User Characteristics

2.1.1 Stakeholders

- 1- Saudi Arabian government: The government is related to the software by the rules and regulations they stated in the countries regulation.
- 2- KFUPM as an organization: KFUPM is the owner of the software and they will manage the system.
- 3- Universities faculty and researchers: They are the target users of the software.
- 4- Generic users: People who are interested in viewing the faculty portfolios.

2.1.2 Users and User Characteristics

User Characteristics	Main functionalities	Typical computer literacy	Typical educational background	Expected frequency usage of the system	Notes
Faculty & researcher	Managing their portfolios	Familiar with computer	Bachelor-Doctorate	Multiple times a month	
Generic users	View faculty profile, publication and statistics	Familiar with computer	High school - Doctorate	weekly	Anyone interested in viewing faculty profile and researches
Admins	Manage and maintain the system	Experience	Bachelor	Daily	

vi. General Constraints

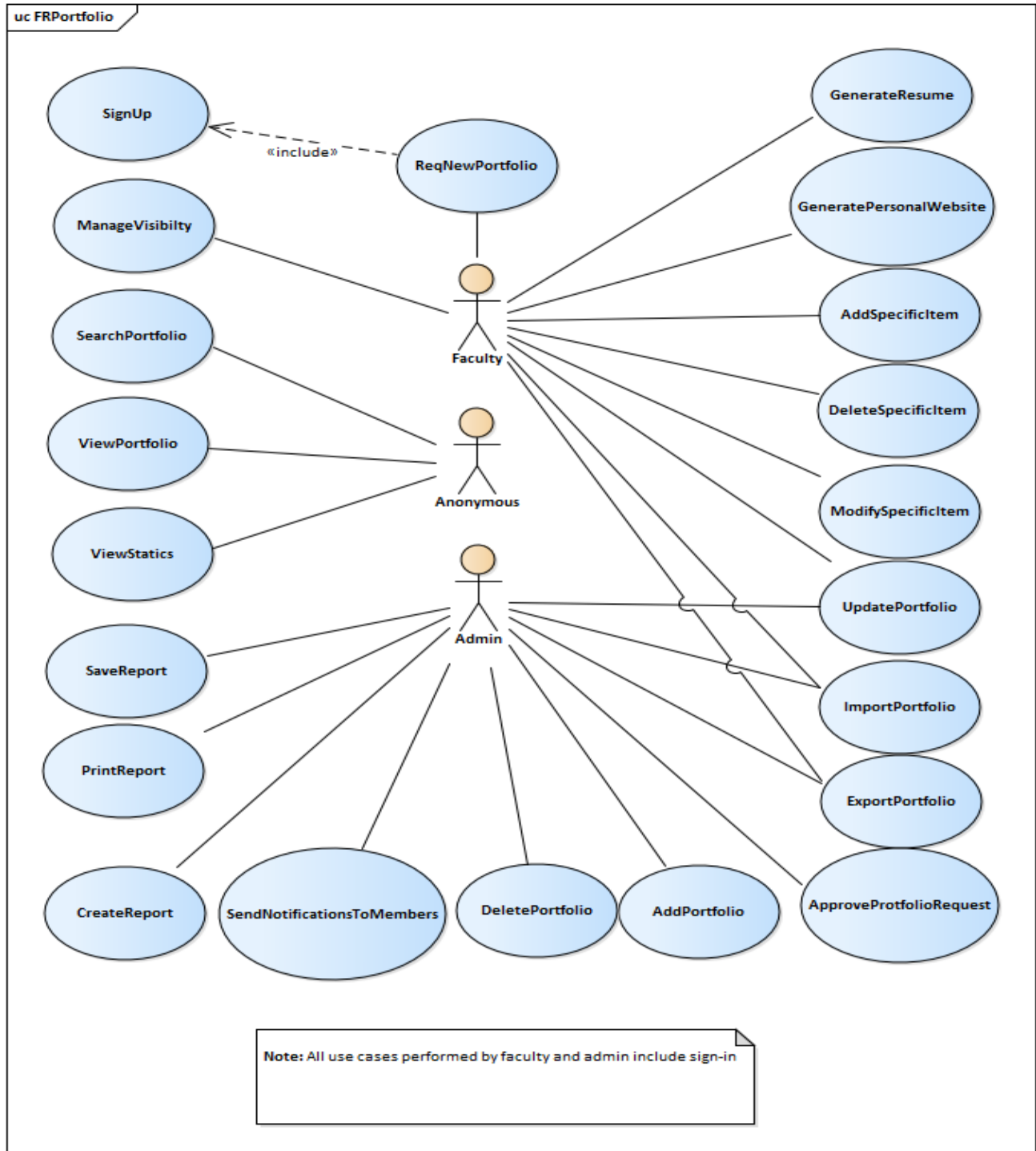
- a) The system shall follow the guidelines and rules of KSA.
- b) The project shall be implemented using html, CSS, Javascript, php, and MySQL.
- c) The project modeling should be done on Enterprise Architect tool.
- d) The project should be designed using UML and UWE as the modeling language.
- e) The system server should be on CCSE server.
- f) The web site passes the HTML and CSS validation test.

vii. Assumption and Dependencies

- a) The system is used by KFUPM members only.
- b) The system is used inside KFUPM only.
- c) Faculty can publish publication directly or through an organization.

3. System requirements

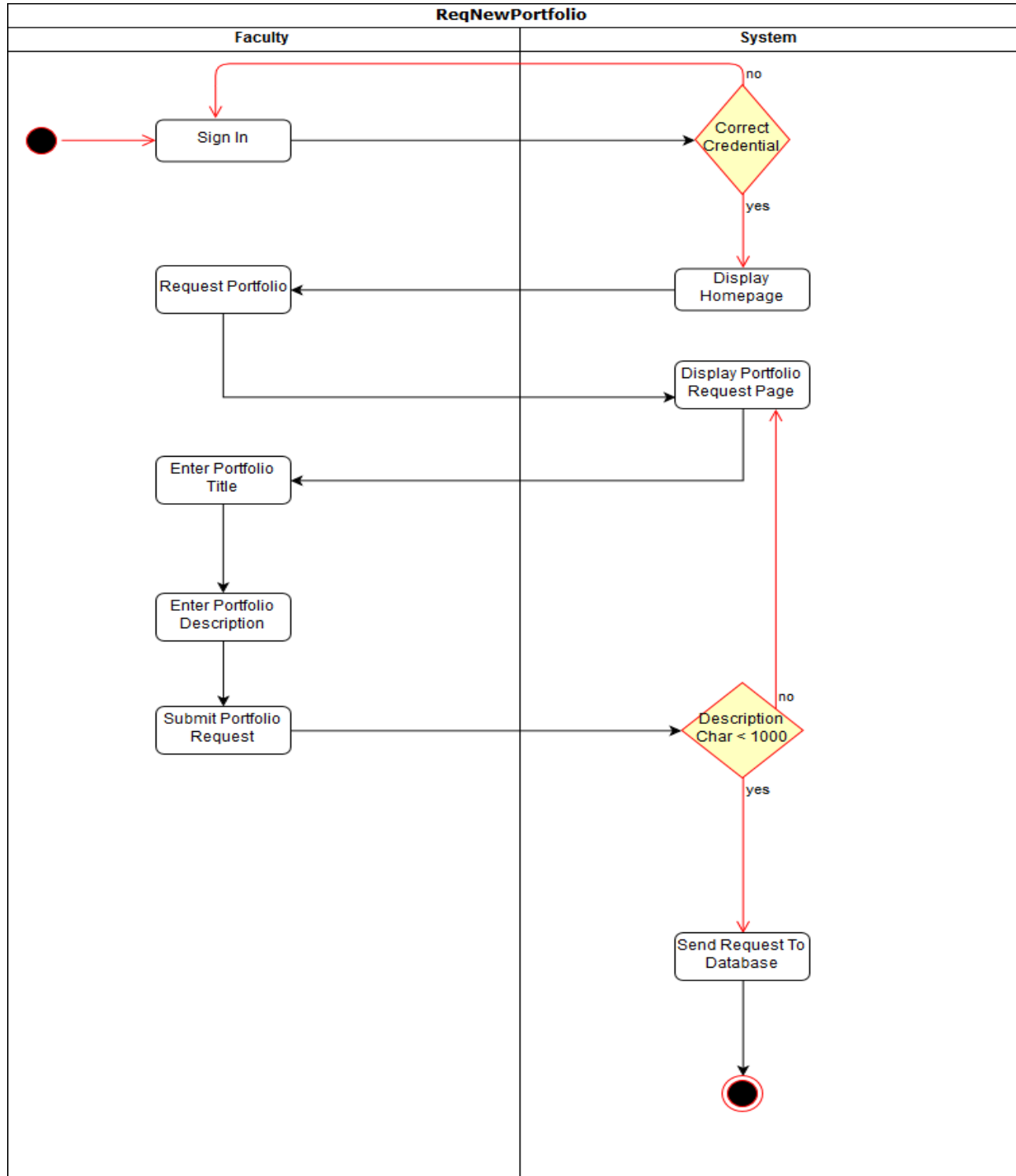
i. Use case Diagram



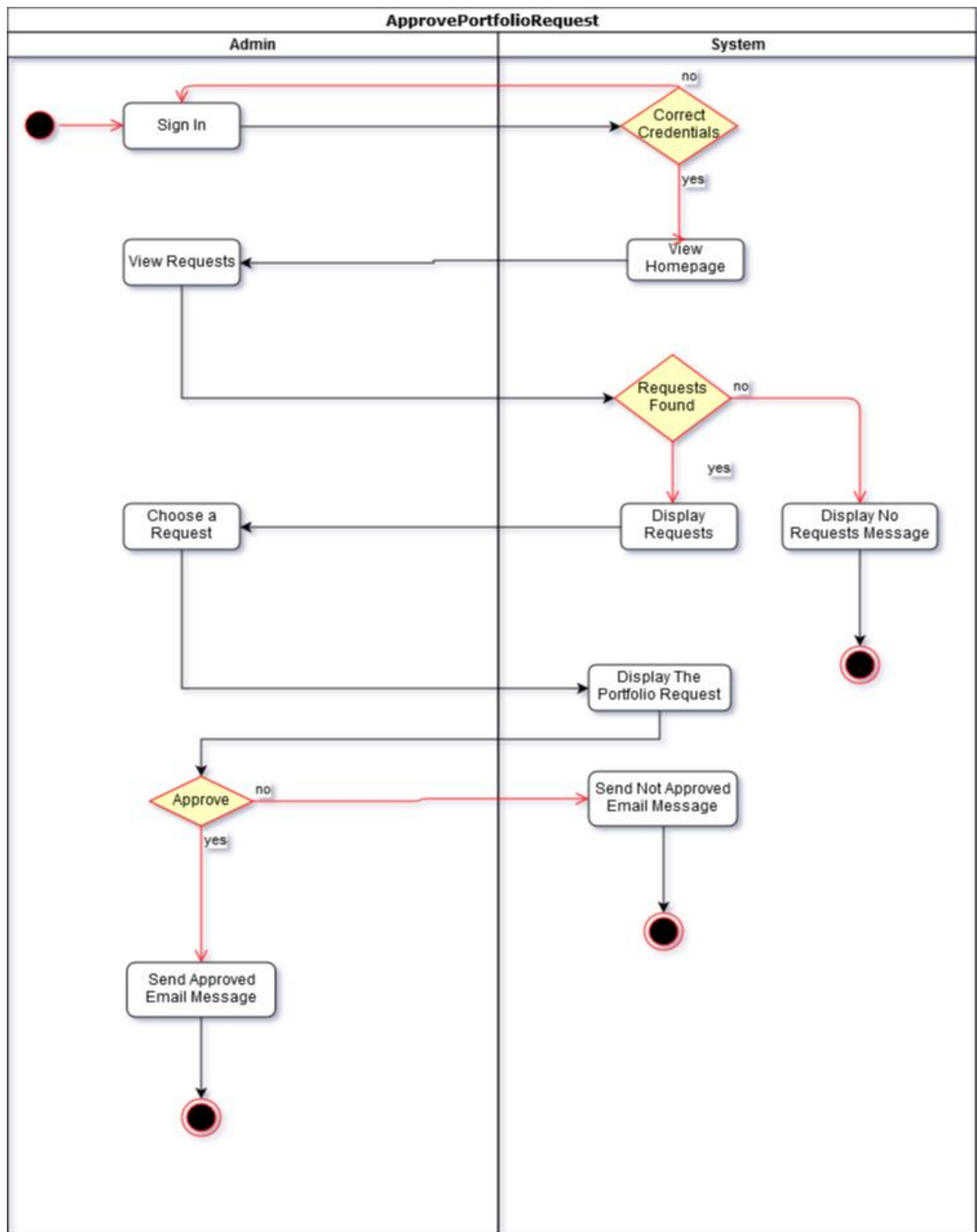
4. Analysis Models

i. Activity Diagrams

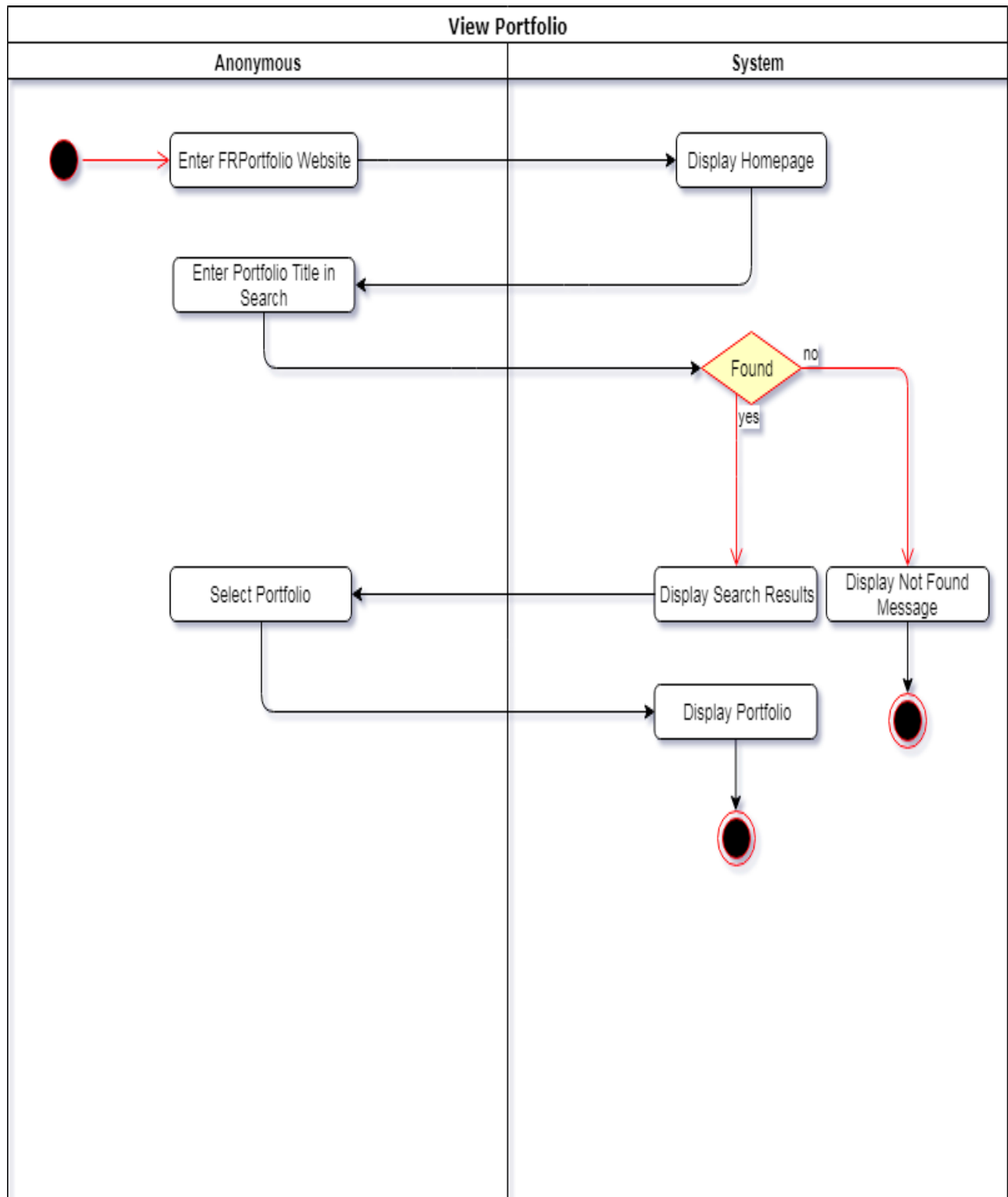
4.1.1 Request new portfolio



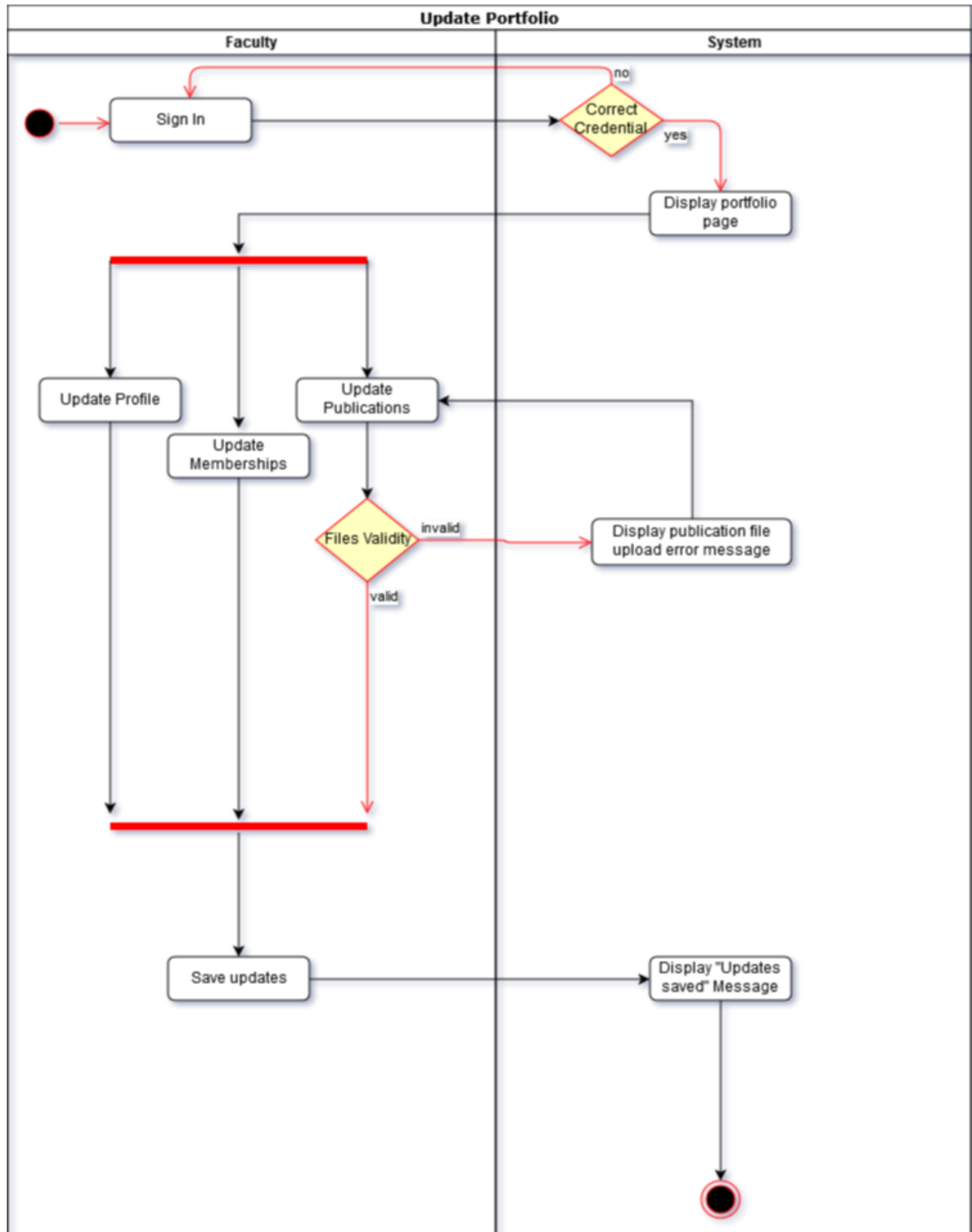
4.1.2 Approve portfolio request



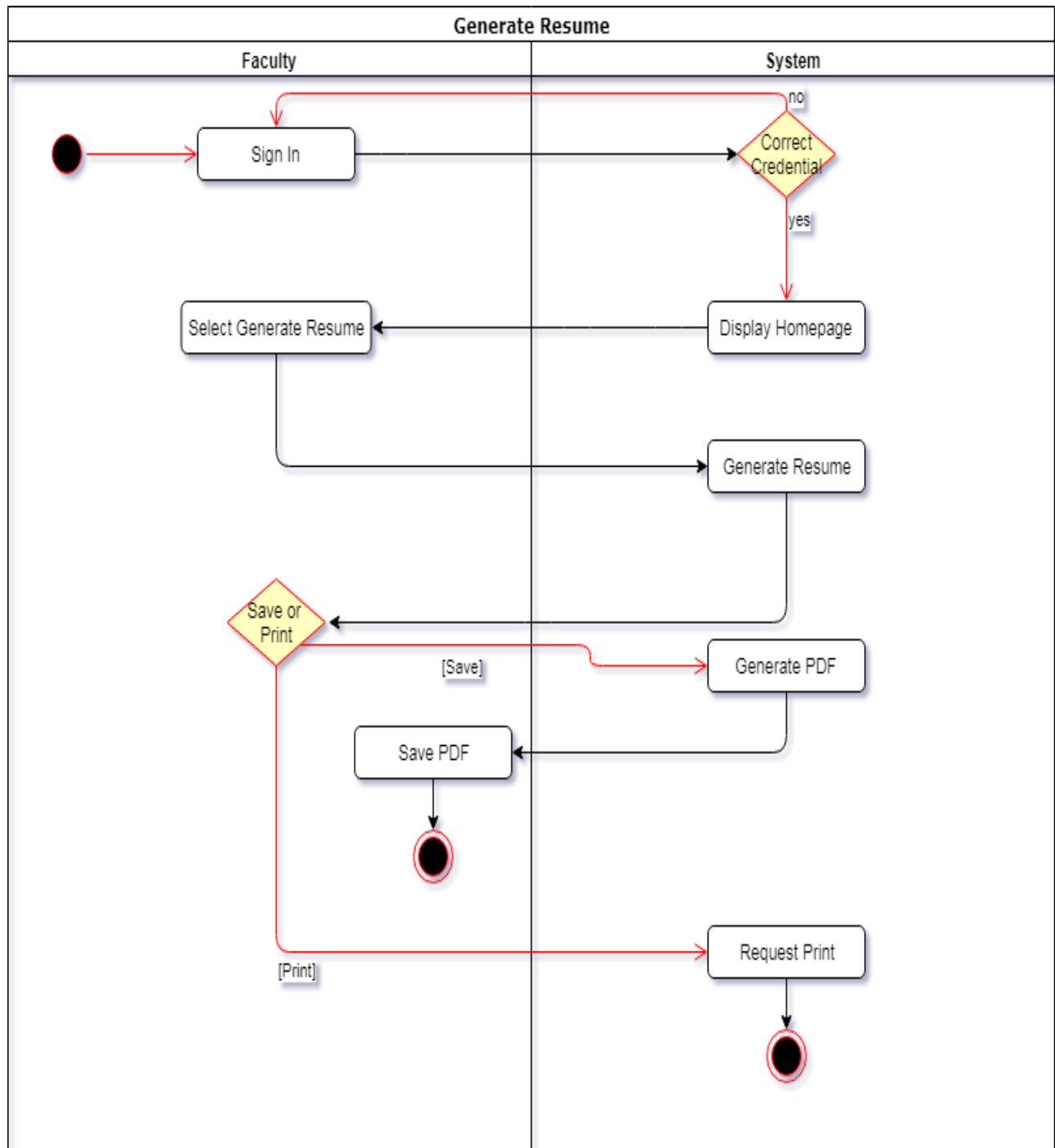
4.1.3 View Portfolio



4.1.4 Update portfolio

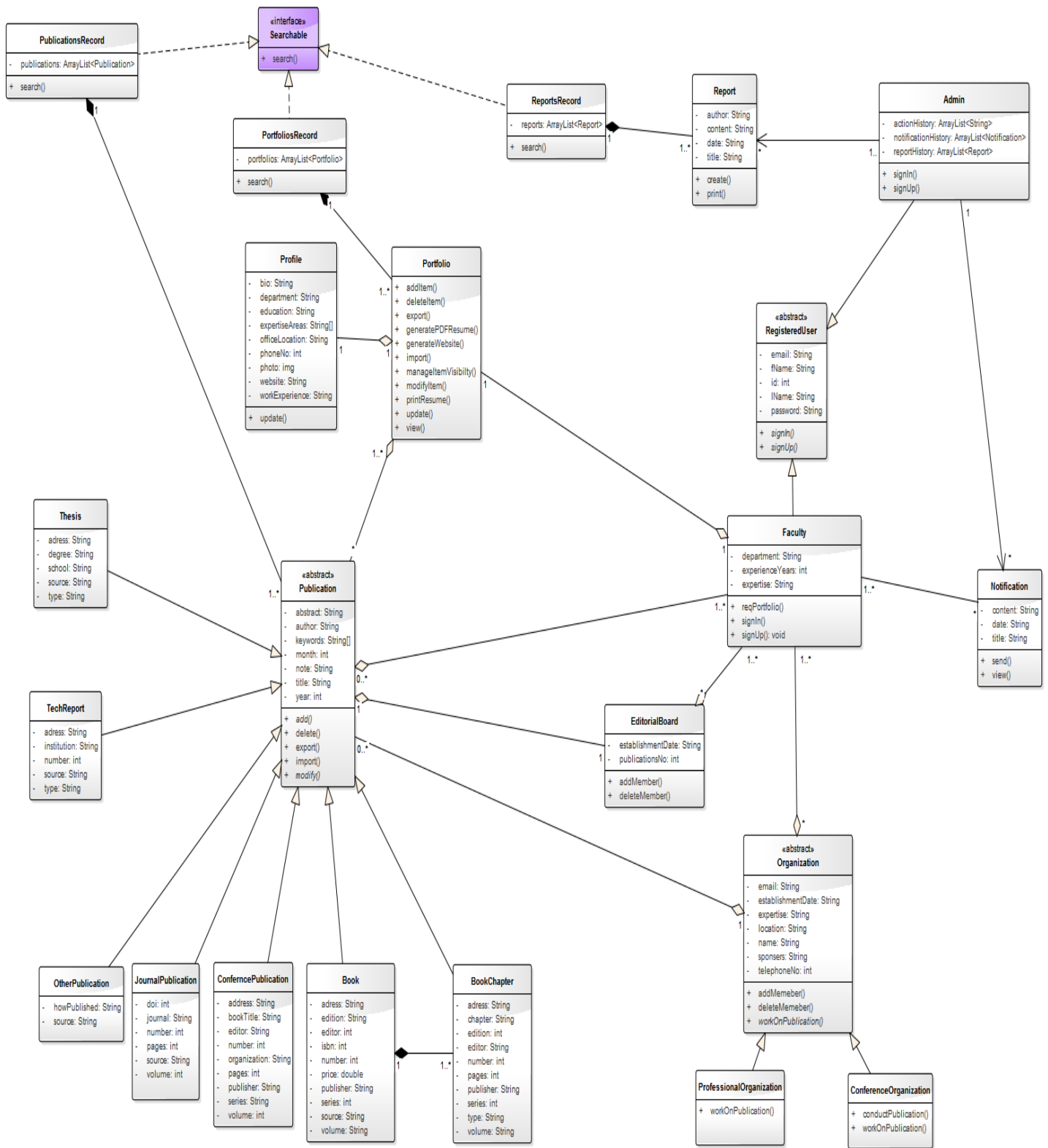


4.1.5 Generate Resume

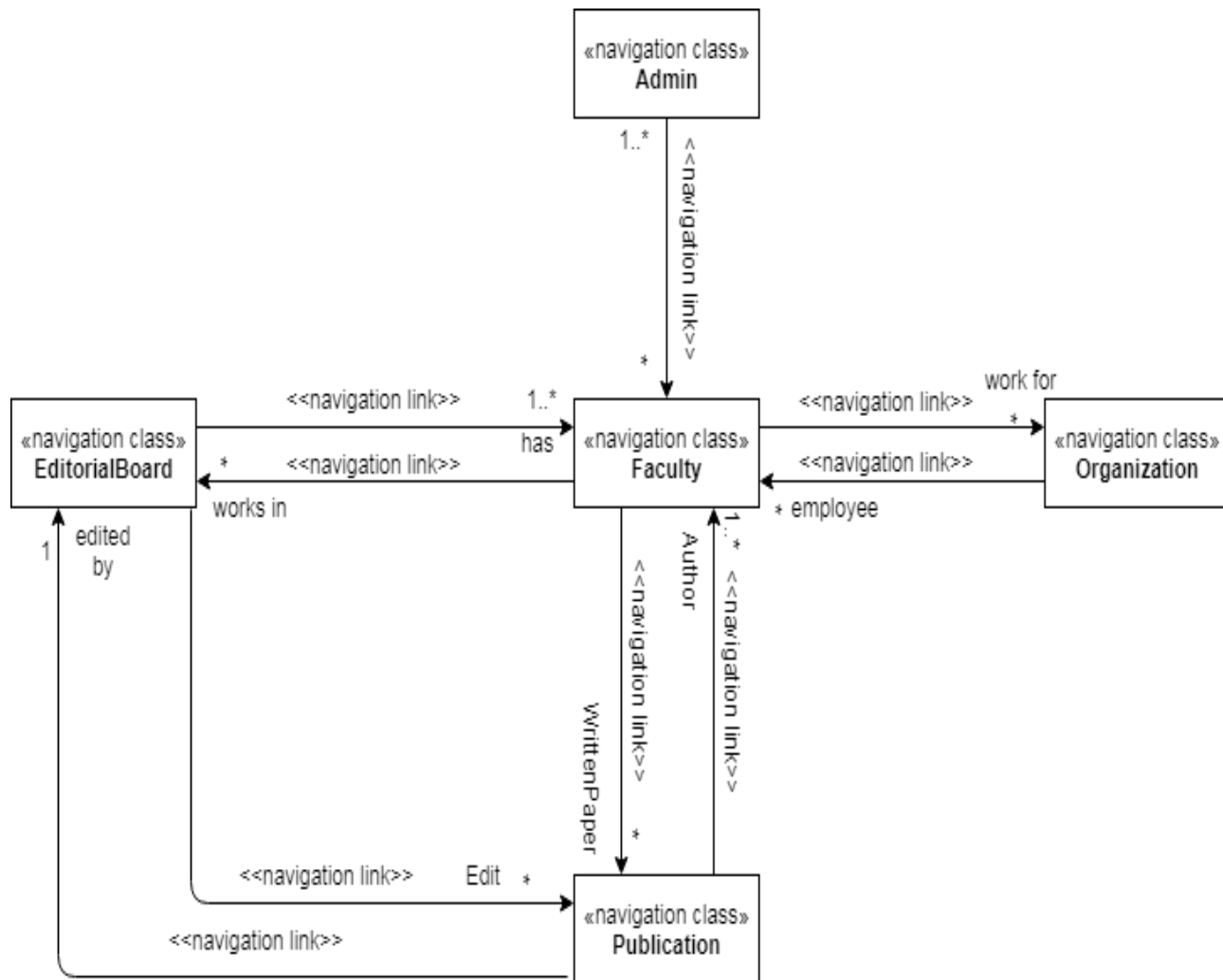


5. Class Diagram

class Class Model



6. Navigational Model

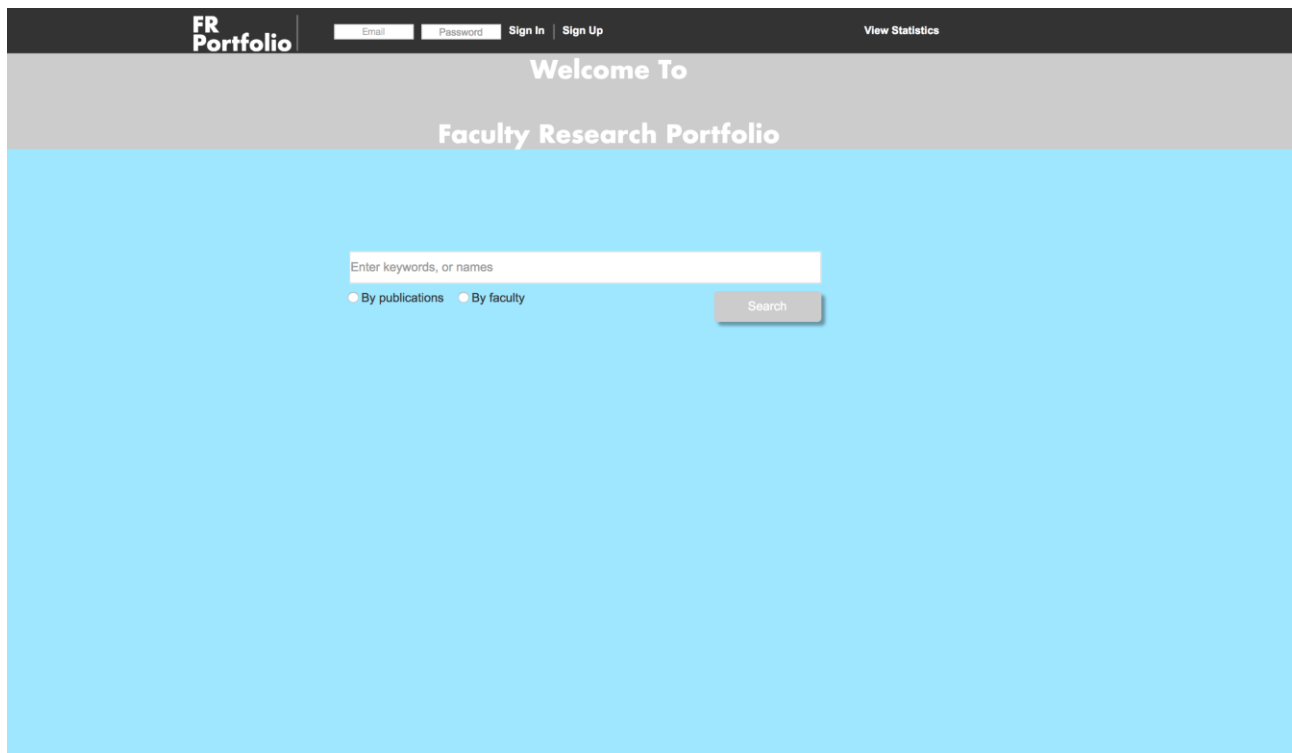


7. External interface Requirements

i. User Interface Screens

We have utilized Axure RP 8 to create interactive mock-ups. The interactive mock-ups are available on our submission website <https://swe363team1.github.io/> . These are some screenshots from our website:

A- Homepage



B- Sign-up page




FR Portfolio

[Sign In](#) | [Sign Up](#)

[View Statistics](#)

Sign Up

With FR Portfolio

-  **Create Portfolio** share your profile and publications.
-  **Generate Resume** well organized resume of your portfolio.
-  **Generate Website** have your own personal website without the need of programming experience .

By clicking Create Account, you agree to our Terms and that you have read our Data Policy.

Create Account

C- Homepage for faculty

FR Portfolio

[Home](#) | [Profile](#) | [Publications](#) | [Memberships](#) | [Search](#) | [Request Portfolio](#) | [Sign Out](#) | [View Statistics](#)

Welcome To

Faculty Research Portfolio

Generate Resume

A pre-organized resume which include your profile, publications summary, and memberships will be generated as a PDF file or ready to print document.

Generate PDF

Print

Generate Personal Website

You can generate a personal website with all your profile details, publications, and memberships.

Generate Website

D- Search page for faculty

FR
Portfolio

[Home](#) | [Profile](#) | [Publications](#) | [Memberships](#) | [Search](#) | [Request Portfolio](#) | [Sign Out](#) | [View Statistics](#)

Search For Publications, or Faculty Profiles

Enter keywords, or names

☐ By publications ☐ By faculty

Search

E- Profile page for faculty

FR
Portfolio

[Home](#) | [Profile](#) | [Publications](#) | [Memberships](#) | [Search](#) | [Request Portfolio](#) | [Sign Out](#) | [View Statistics](#)

Your Profile



Abdullah A. Alshoshan, PhD

Assistant Professor of Software Engineering

- Bio: Lorem ipsum dolor sit amet, consectetur adipiscing elit. Vestibulum id ultricies mauris. Nulla non ligula vitae libero interdum vulputate. Mauris sollicitudin interdum nisi, non fermentum est venenatis ornare. Sed commodo ex interdum tellus tincidunt, vitae dignissim risus lacinia. Etiam et aliquam est.
- Area of Expertise: Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nunc vitae.
- Work Experience: 2015-Present: Lorem ipsum dolor sit amet, consectetur adipiscing elit. 2013-2015: Mauris dapibus odio a pellentesque elementum. 2009-2013: Cras maximus libero nec velit ultrices venenatis
- Office Location: KFUPM, Building 22, Room 312
- Email: loremipsum@loremipsum.com
- Phone Number: 966-0134948594-21
- Personal Website: www.loremipsum.com


Edit

F- Edit profile for faculty

FR
Portfolio

Home | Profile | Publications | Memberships | Search | Request Portfolio | Sign Out | View Statistics

Edit Your Profile



Choose File | No file chosen

Visible

Personal Info:

First Name

Middle Name

Last Name

Visible

dd/mm/yyyy

Visible

Contact Info:

Email

Visible

Phone Number

Visible

Office Location

Visible

Bio:

Visible

Academic Info:

Department

Visible

Degree

Visible

Years of Experience

Visible

Visible

Academic Info:

Department

Visible

Degree

Visible

Years of Experience

Visible

Area of Expertise

Visible

Work Experience

Visible

Personal Website

Visible

Save