



UNIVERSITY
of
GREENWICH

COMP1640: Enterprise Web Software Development

GROUP REPORT

No	Full Name
000947077	Đào Trung Hiếu
000947085	Phan Anh Sơn Vương

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I. Agile Method

1. Analysis

Agile is a flexible software development methodology for how to bring the product to the user as quickly as possible.

Scrum is an agile development process so it follows the Agile Manifesto principle.

In scrum, the team involved in software development is divided into three roles with clear responsibilities to ensure the optimization of specific tasks as follows:

Product Owner

The person who is responsible for the success of the project and who defines the output requirements of the software developers.

Scrum Master

Be knowledgeable about scrum and make sure the team can work effectively with scrum.

Development Team

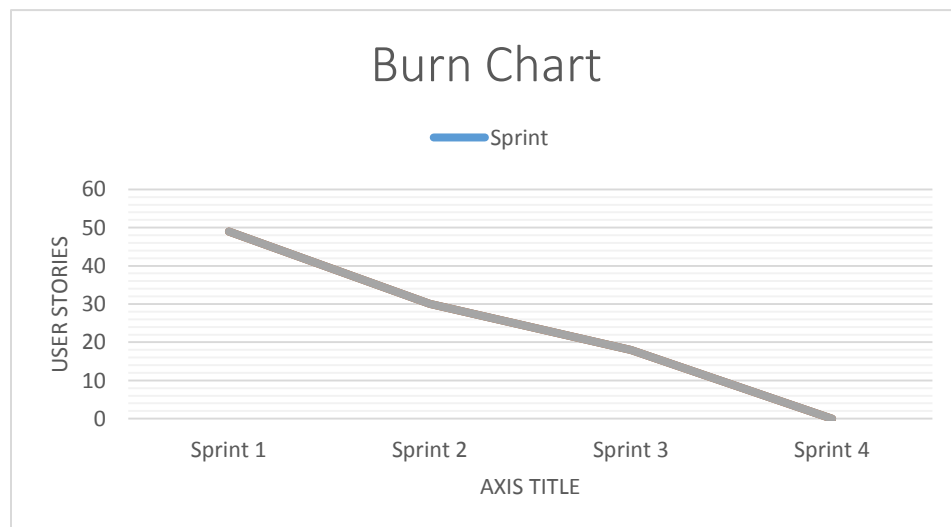
A self-managed interoperability group converts the requirements that are organized into Product Backlog into system functionalities. All members have the same image of the success or failure of the whole system or the smaller systems in it.

Name	Position
Phan Anh Son Vuong	Scrum master, Software Engineering
Dao Trung Hieu	Software Engineering

2. User stories

As a/an	I want to	So that
User	login	I can access to university system
	logout	I can logged out of university system
	topic new topic	I share my idea with other colleagues
	like an idea	idea owner known that I likes their idea
	unlike a topic	I could save myself from misclick
	format my topic	I could represent my idea the most interested way
	comment	I could express my thought or interact with other comment
	Add image to my topic	I could make my topic more interesting
QA	manage topics	I could manage topics created by users more effectively
	manage tag	I could manage tags created by users more effectively
	manage category	I could categorized topics more effectively
	search topic/tag/categorized	I could search more result faster

3. Burn down chart



4. Minutes of meetings

Subjects	Meeting discussion	Time	Result
Investigate the idea analysis	<ul style="list-style-type: none">• Discuss with your teammates good ideas• Splits the specific working time.	45	Done
Research	<ul style="list-style-type: none">• Search and research useful information• Understand the requirements for the assignment• Build accurate projects on the planned requirements	75	Done
Project design	<ul style="list-style-type: none">• Project design should design website interface.• Design use case diagram of project• Database design suitable with the project.	75	Done
Project implementation	<ul style="list-style-type: none">• Completed database of the project.• Fully build the basic interface and functions of the website.• Build functions as required	320	Done
Test project	<ul style="list-style-type: none">• After running the test will edit the interface and functions• The team will complete the product fixes the bug.	73	Done
Project documentation	<ul style="list-style-type: none">• Write report for the project	100	Done

Time of meeting: 688 hours

5. Sprints

Sprints

This section is about estimate and offers the amount of work for each Sprint backlog to the team members. It was reviewed and approved by Scrum Master. Every each of members must works with the plans below.

Sprint Planning

Task name	Sprint No	Work item	Detail	Duration(days)	Start	Finish
Duration				66	24/08/2017	27/10/2017
	Sprint 1			15	24/08/2017	09/08/2017
		Planning		2	24/08/2017	26/08/2017
			Meeting	2	24/08/2017	26/08/2017
		Implementation		7	26/08/2017	08/02/2017
			Programming	5	26/08/2017	08/01/2017
			Daily Meeting	4	28/08/2017	09/02/2017
		Testing		4	09/02/2017	09/06/2017
		Preview		2	09/06/2017	09/08/2017
	Sprint 2			16	09/08/2017	24/9/2017
		Planning		3	09/08/2017	09/11/2017
			Meeting	3	09/08/2017	09/11/2017
		Implementation		7	09/11/2017	18/9/2017
			Programming	5	09/11/2017	16/9/2017
			Daily Meeting	4	13/9/2017	18/9/2017
		Testing		4	19/9/2017	23/9/2017
		Preview		2	23/9/2017	25/9/2017
	Sprint 3			17	25/09/2017	10/07/2017
		Planning		2	25/09/2017	27/09/2017
			Meeting	2	25/09/2017	27/09/2017
		Implementation		7	27/09/2017	10/04/2017
			Programming	7	27/09/2017	10/04/2017
			Daily Meeting	6	28/09/2017	10/04/2017
		Testing		4	09/02/2017	09/06/2017
		Preview		2	09/06/2017	09/08/2017
	Sprint 4			18	10/08/2017	27/10/2017
		Planning		2	10/08/2017	10/10/2017
			Meeting	2	10/08/2017	10/10/2017
		Implementation		7	10/11/2017	18/10/2017
			Programming	7	10/11/2017	18/10/2017

			Daily Meeting	7	10/11/2017	18/10/2017
		Testing		4	19/10/2017	23/10/2017
		Preview		4	23/10/2017	27/10/2017

II. Database

1. Data types and validation

Table Category

Column Name	Data Type	Key	Validation
CategoryId	int	Primary	Not null
CategoryName	nvarchar(20)		Not null
UrlSeo	nvarchar(50)		Not null
CategoryDescription	nvarchar(20)		Not null
Checked	bit		

Table Comment

Column Name	Data Type	Key	Validation
CommentId	int	Primary	Not null
ThreadId	int		Not null
UserId	int		Not null
Body	nvarchar(1000)		Not null
CreatedDT	datetime2(7)		Not null
DeletedDT	datetime2(7)		

Table CommentLike

Column Name	Data Type	Key	Validation
CommentId	int	Primary	Not null
UserId	int	Primary	Not null
Like	bit		
DisLike	bit		

Table Employees

Column Name	Data Type	Key	Validation
ID	int		Not null
FirstName	nvarchar(255)		
LastName	nvarchar(255)		
FullName	nvarchar(255)		Not null
EmployeeID	int	Primary	Not null
TeamID	int		Not null
Permission	int		Not null
Position	nvarchar(50)		
StartDate	datetime2(7)		Not null
Email	nvarchar(50)		Not null
Password	nvarchar(255)		Not null
PasswordSalt	nvarchar(255)		
DOB	datetime2(7)		Not null
TerminatedDateTime	datetime2(7)		
Photo	nvarchar(50)		
Signature	nvarchar(50)		
RealEmployeeId	int		

Table Reply

Column Name	Data Type	Key	Validation
ReplyId	int	Primary	Not null
ThreadId	int		Not null
CommentId	int		Not null
ParentReplyId	int		
UserId	int		Not null
Body	nvarchar(1000)		Not null
CreatedDT	datetime2(7)		Not null
DeletedDT	datetime2(7)		

Table ReplyLike

Column Name	Data Type	Key	Validation
ReplyId	int	Primary	Not null
UserId	int	Primary	Not null
Like	bit		
DisLike	bit		

Table Tag

Column Name	Data Type	Key	Validation
TagId	int	Primary	Not null
TagName	nvarchar(20)		Not null
UrlSeo	nvarchar(50)		Not null
Checked	Bit		

Table Thread

Column Name	Data Type	Key	Validation
ThreadId	int	Primary	Not null
UserId	int		Not null
CategoryId	int		Not null
Title	nvarchar(150)		Not null
ShortDescription	nvarchar(500)		Not null
Body	nvarchar(MAX)		Not null
Meta	nvarchar(1000)		Not null
UrlSeo	nvarchar(200)		Not null
IsPublished	bit		Not null
View	int		Not null
Image	varchar(50)		
CreatedDT	datetime2(7)		Not null
ModifiedDT	datetime2(7)		
DeletedDT	datetime2(7)		

Table ThreadLike

Column Name	Data Type	Key	Validation
ThreadId	int	Primary	Not null
UserId	int	Primary	Not null
Like	bit		
DisLike	bit		

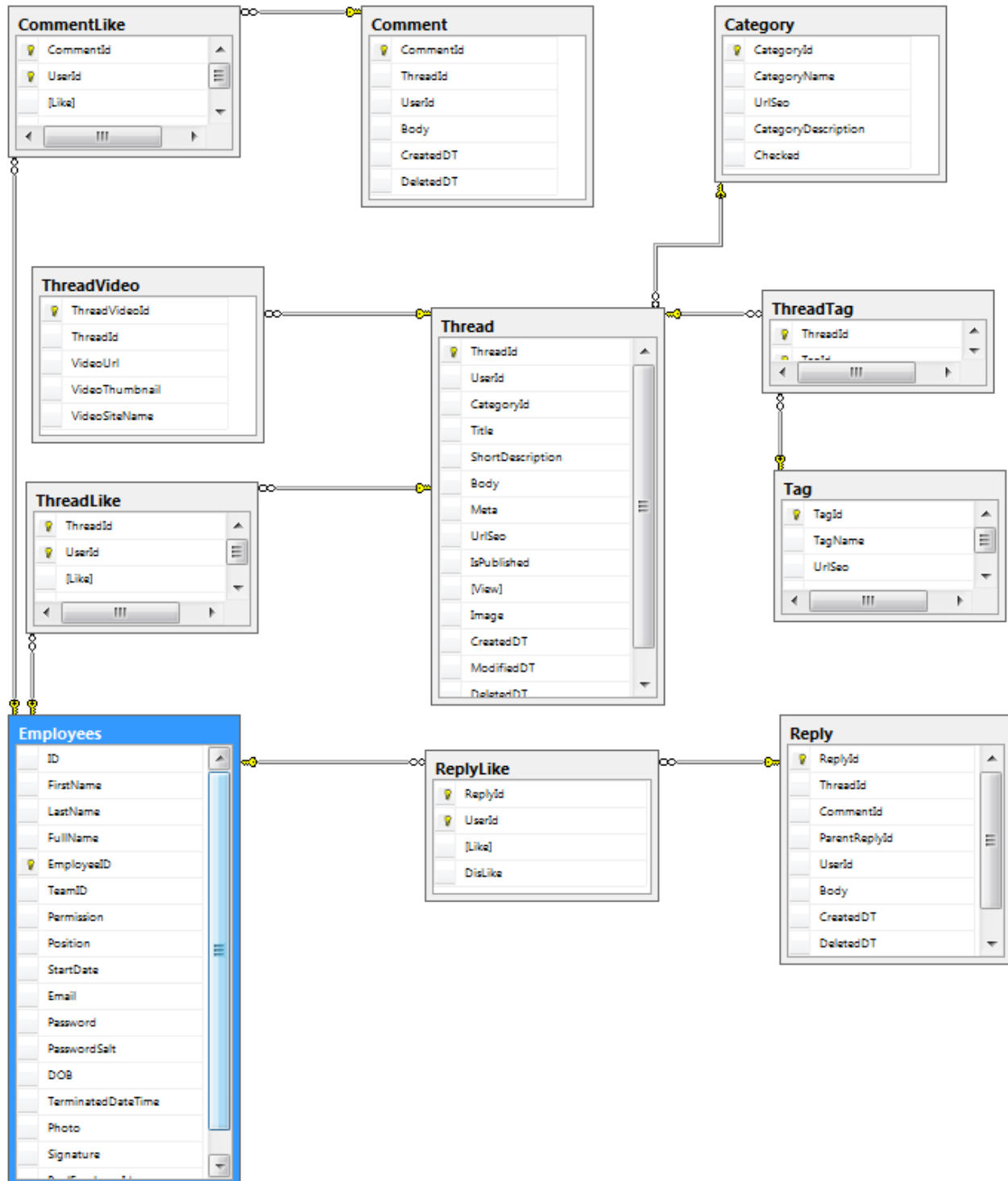
Table ThreadTag

Column Name	Data Type	Key	Validation
ThreadId	int	Primary	Not null
TagId	int	Primary	Not null

Table ThreadVideo

Column Name	Data Type	Key	Validation
ThreadVideoId	int	Primary	Not null
ThreadId	int		Not null
VideoUrl	varchar(200)		Not null
VideoThumbnail	varchar(200)		
VideoSiteName	varchar(200)		

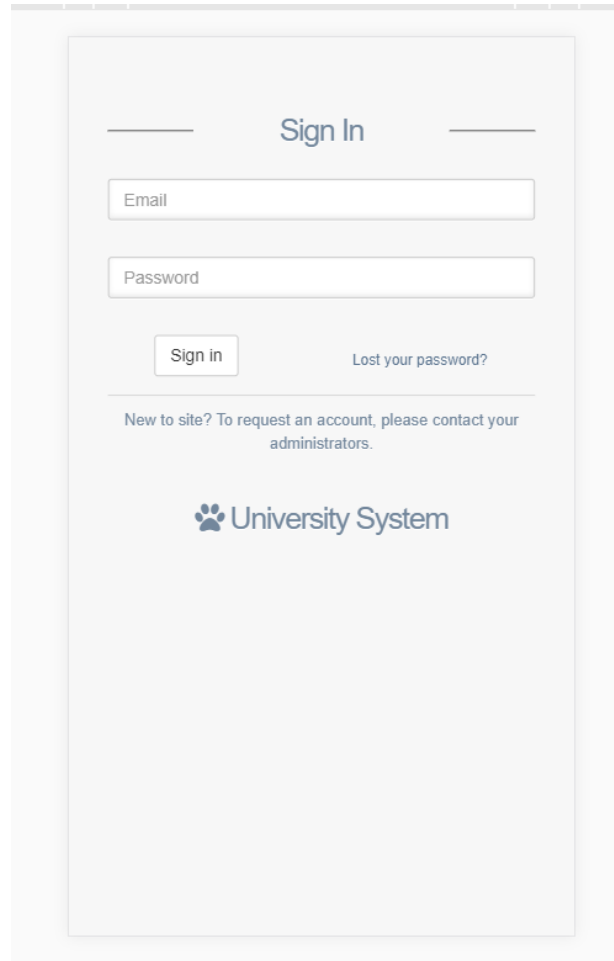
2. ERD (Entity Relationship Diagram)



III. Site design

1. Responsive design

Mobile design



A mobile sign-in form design for the University System. The form is centered on a light gray background. At the top, the text "Sign In" is centered between two horizontal lines. Below this, there are two input fields: "Email" and "Password". Under the "Email" field is a "Sign in" button. To the right of the button is a link "Lost your password?". Below these elements is a horizontal line, followed by the text "New to site? To request an account, please contact your administrators." At the bottom is the "University System" logo, which consists of a paw print icon and the text "University System".

Sign In


Email

Password

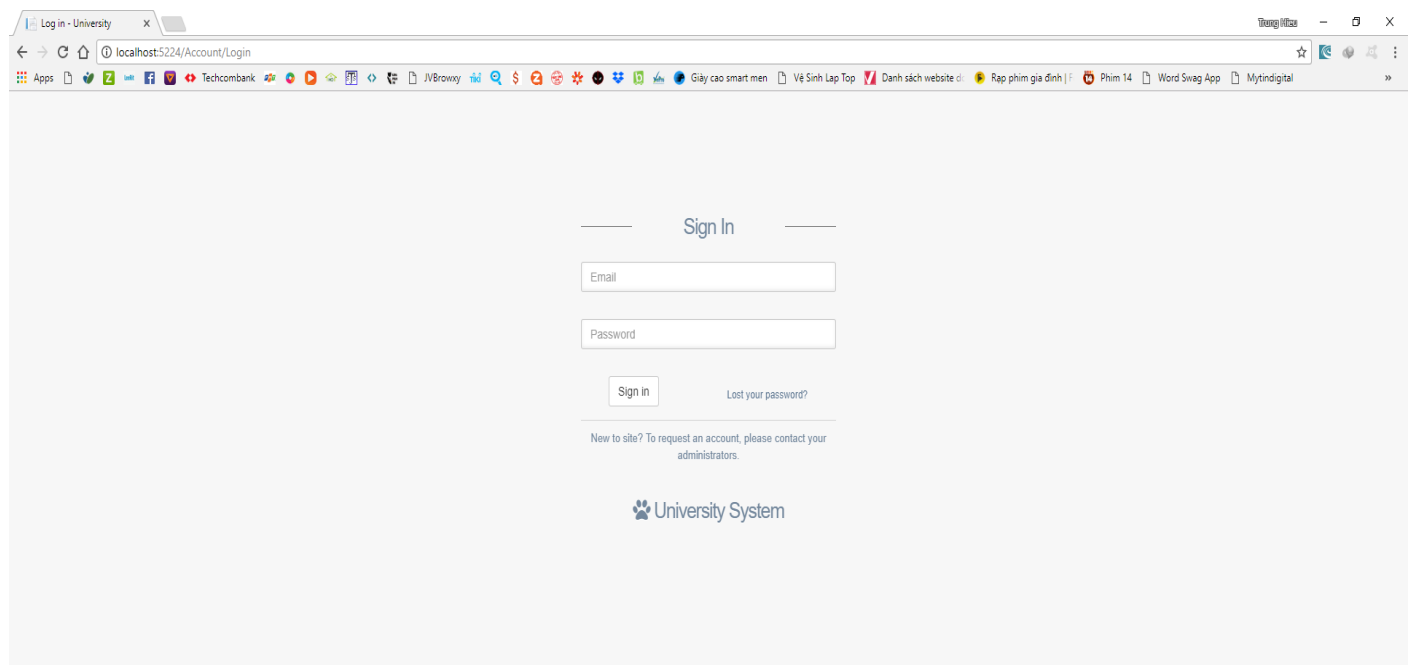
Sign in

[Lost your password?](#)

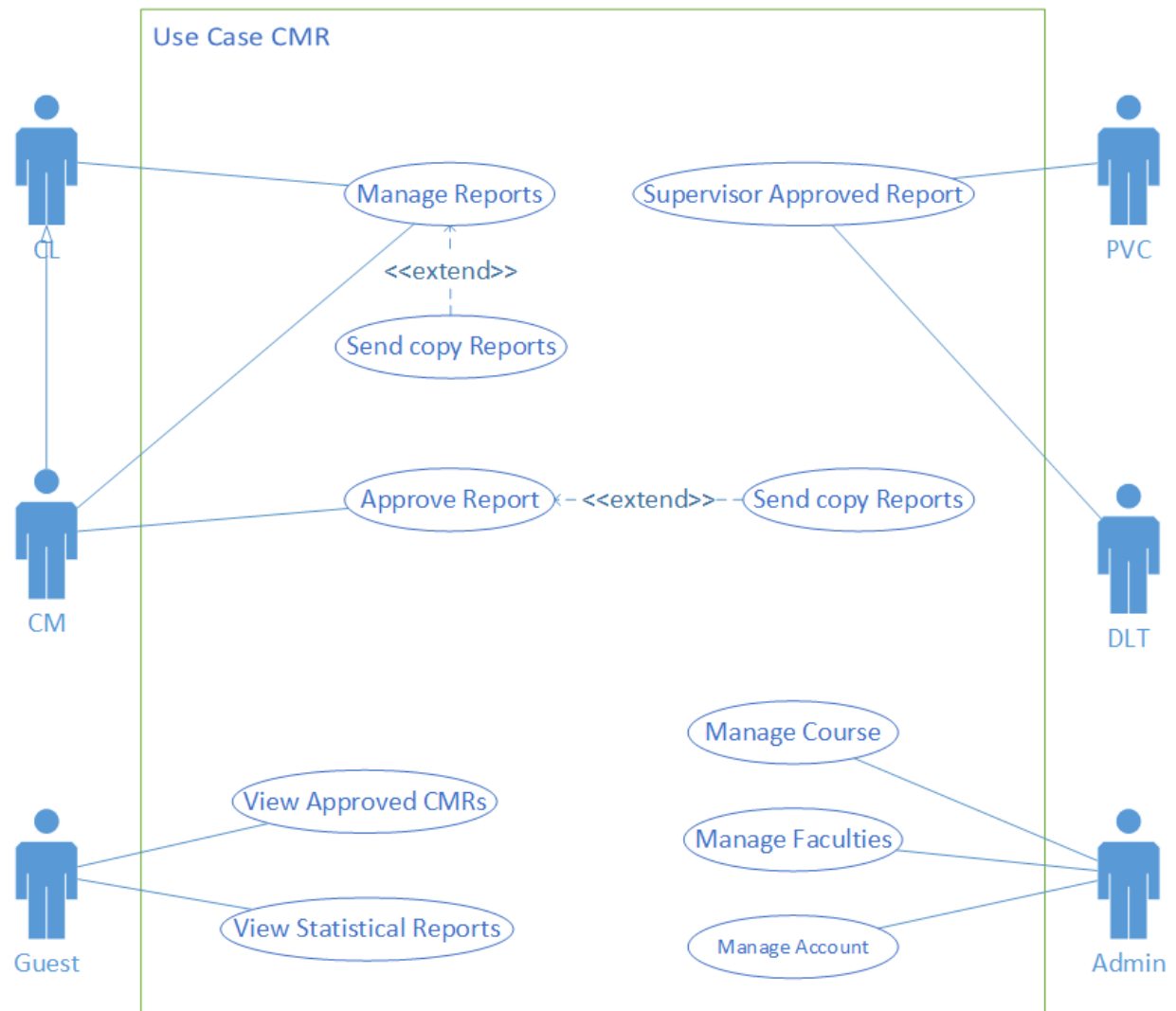
New to site? To request an account, please contact your administrators.

 University System

Desktop design

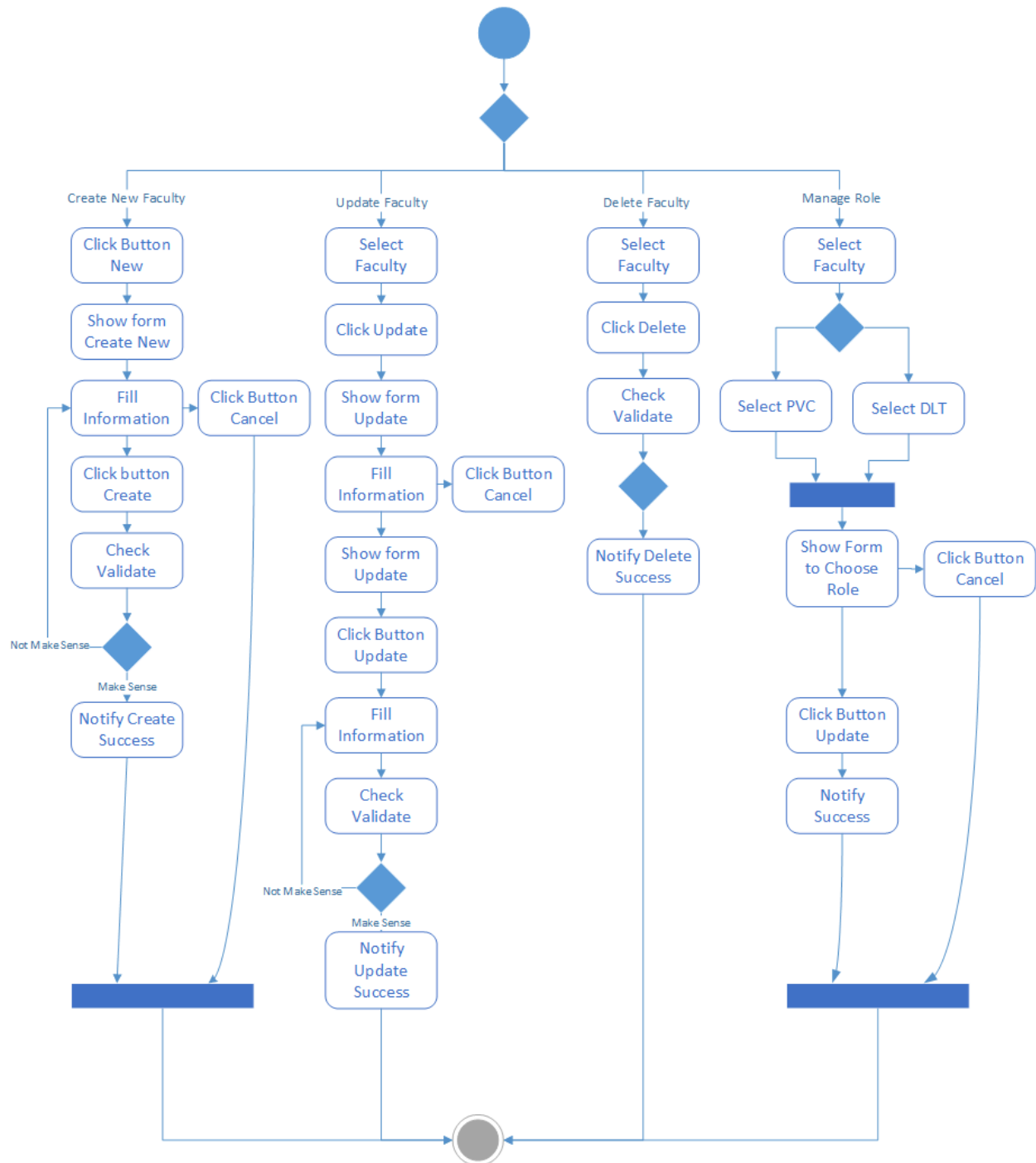


2. User Case

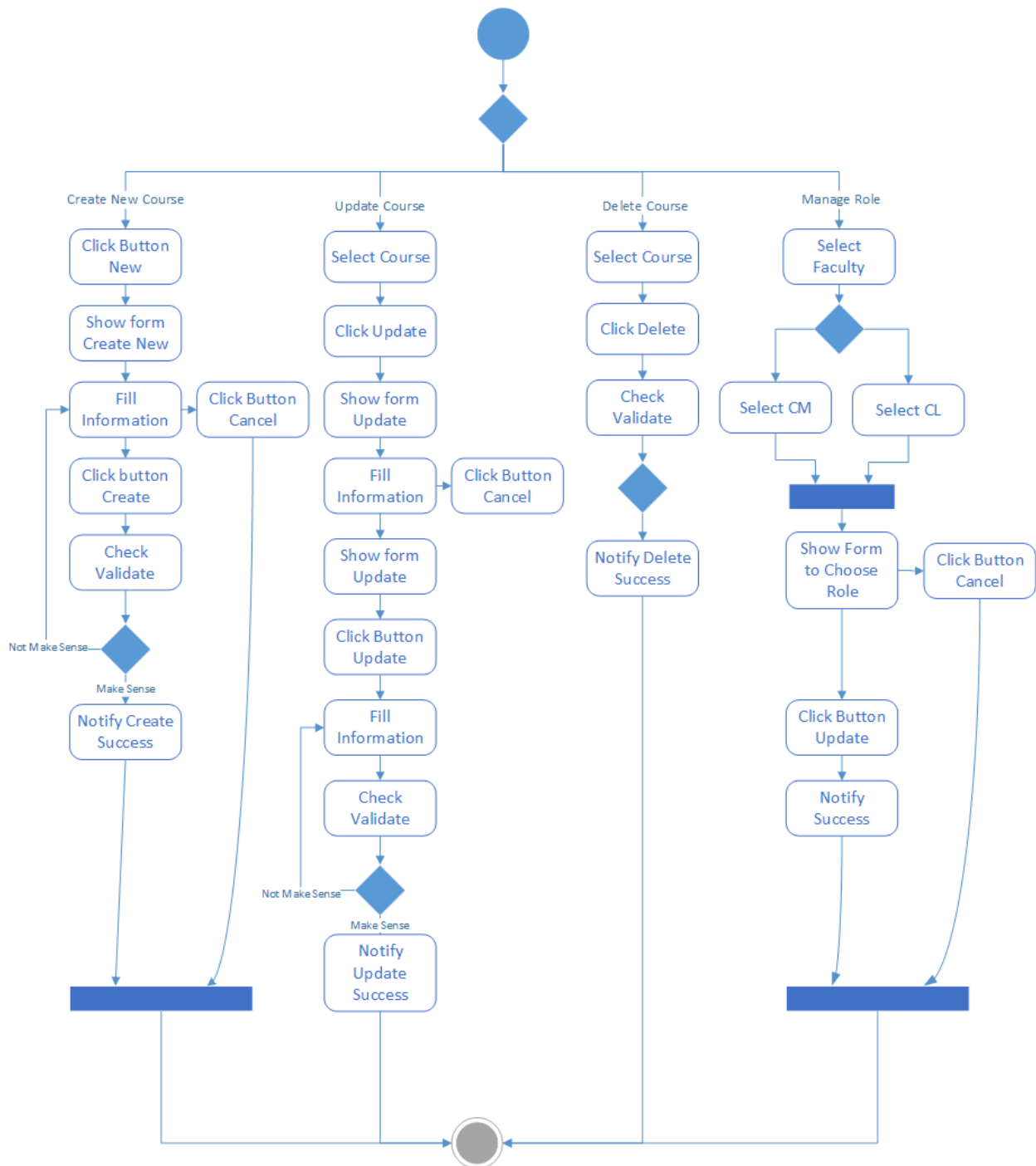


3. Activity Diagram

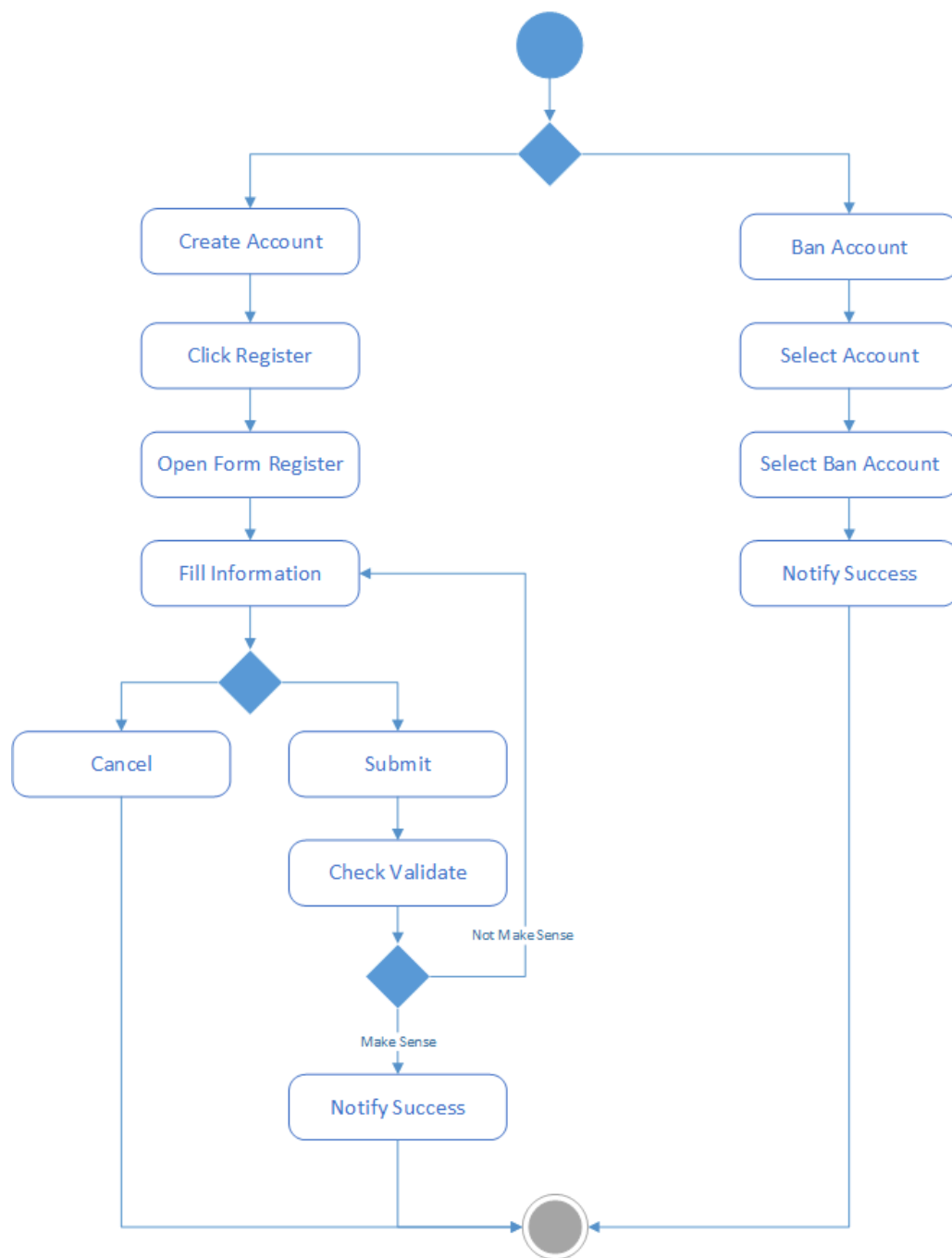
Manage Faculty

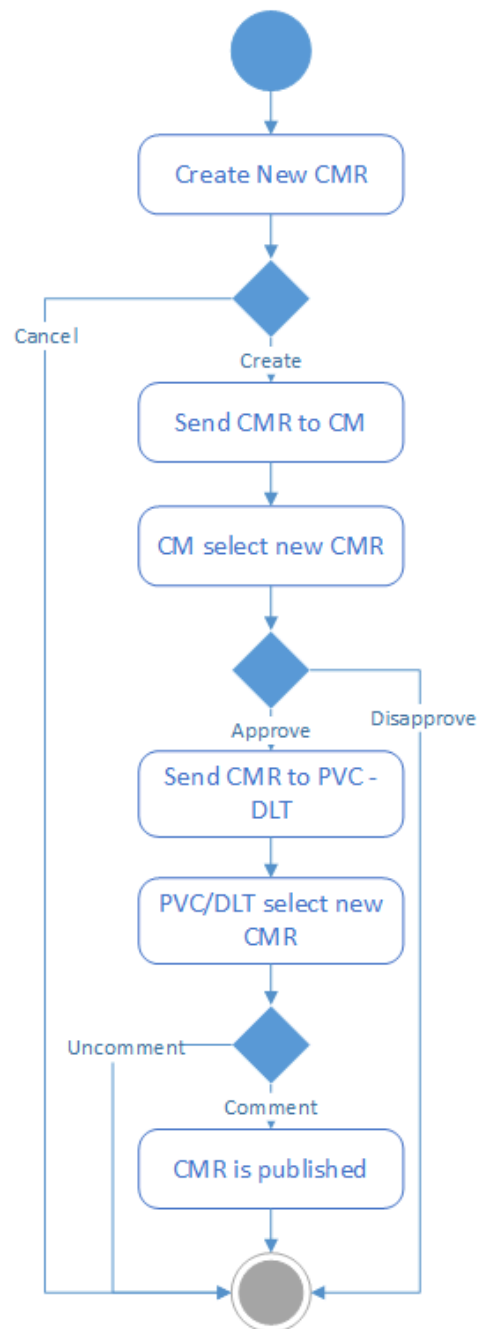


Manage Course



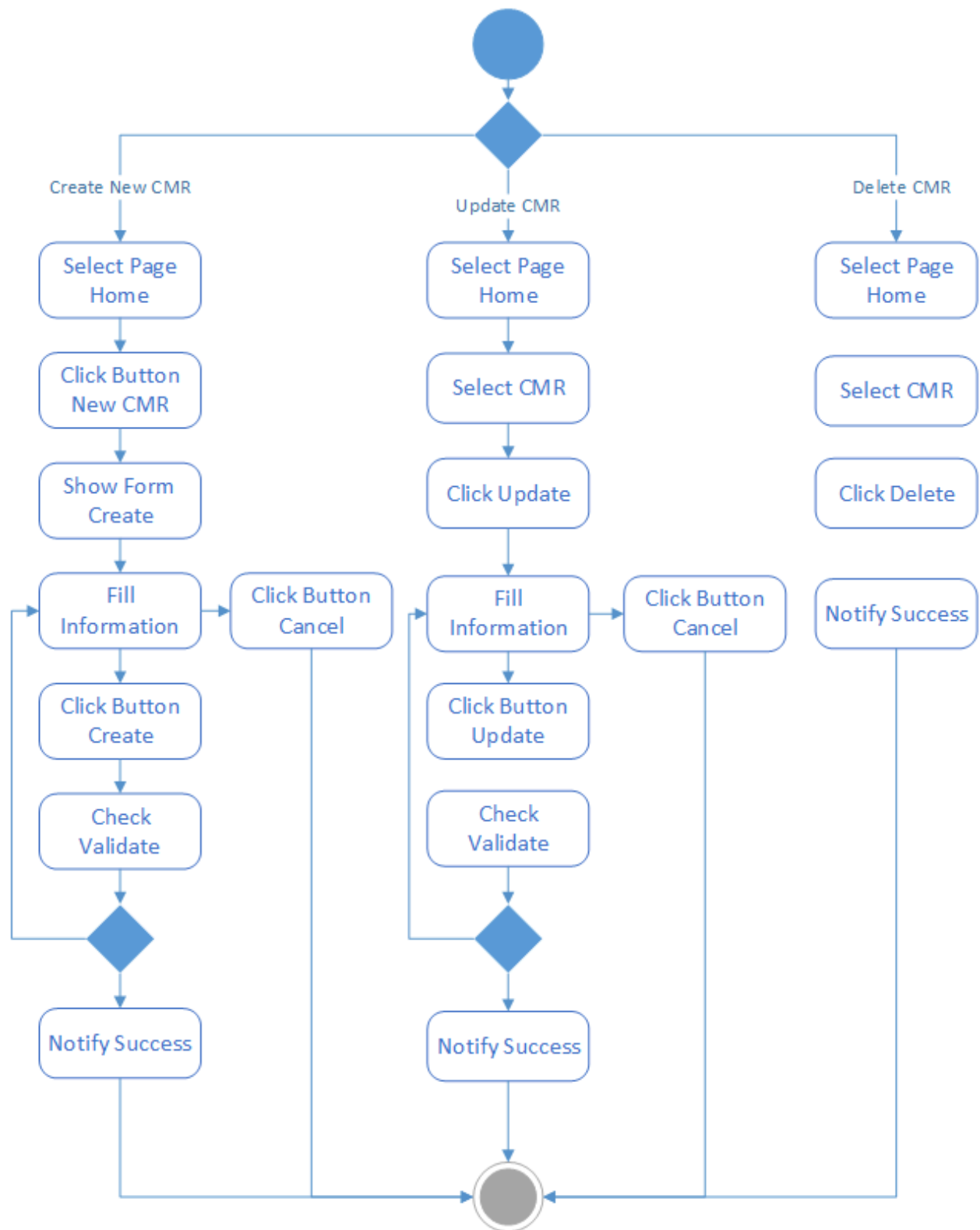
Manage Account



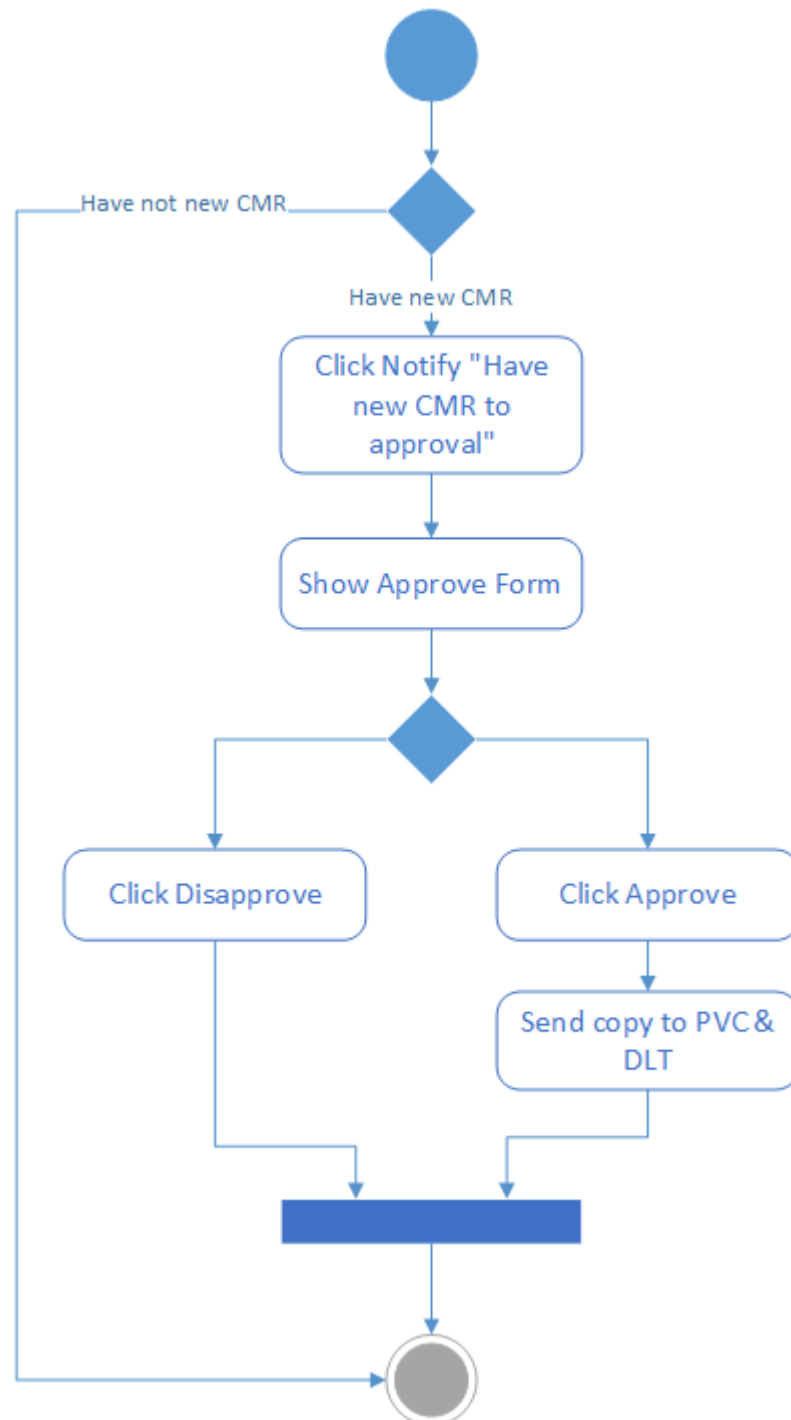


Submit Report

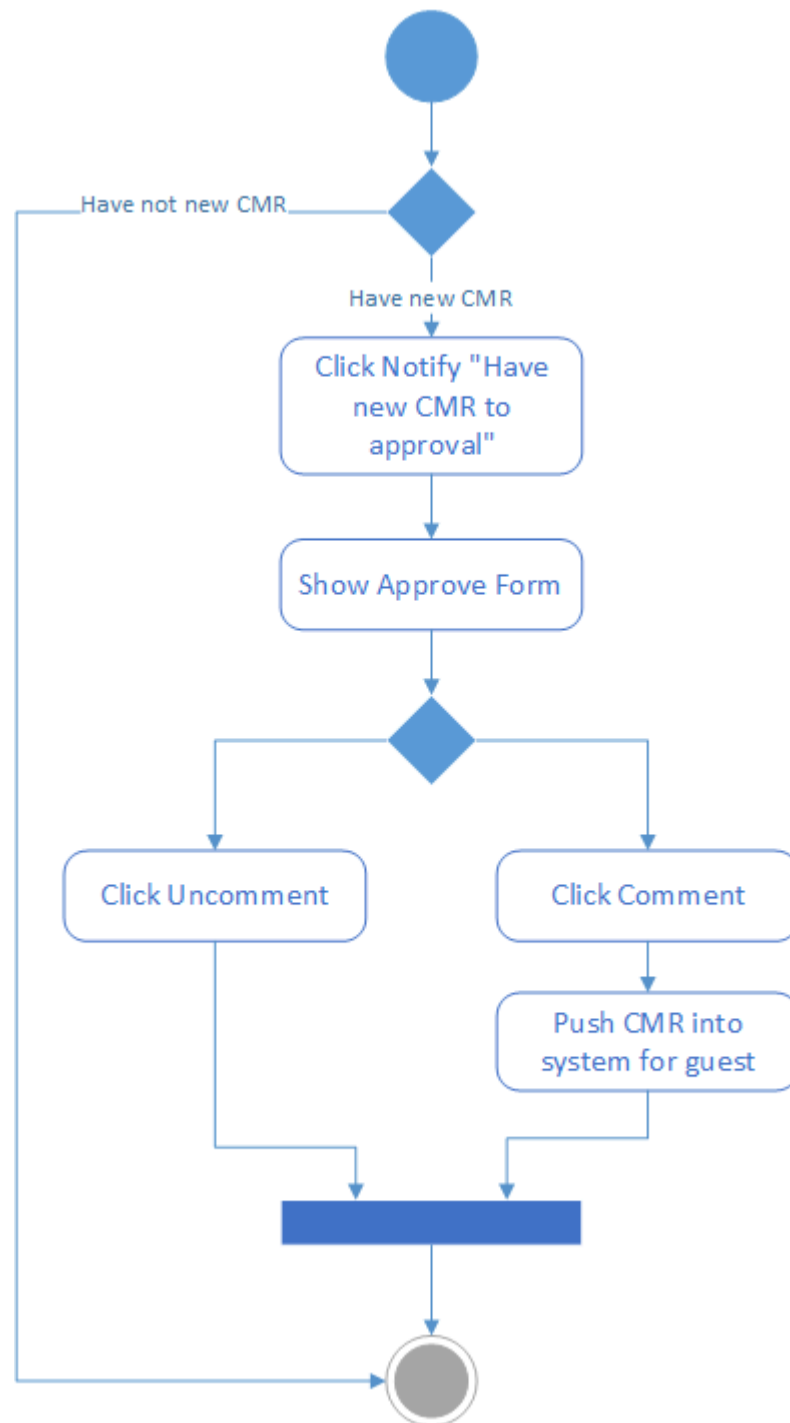
Manage Report



Approval Report

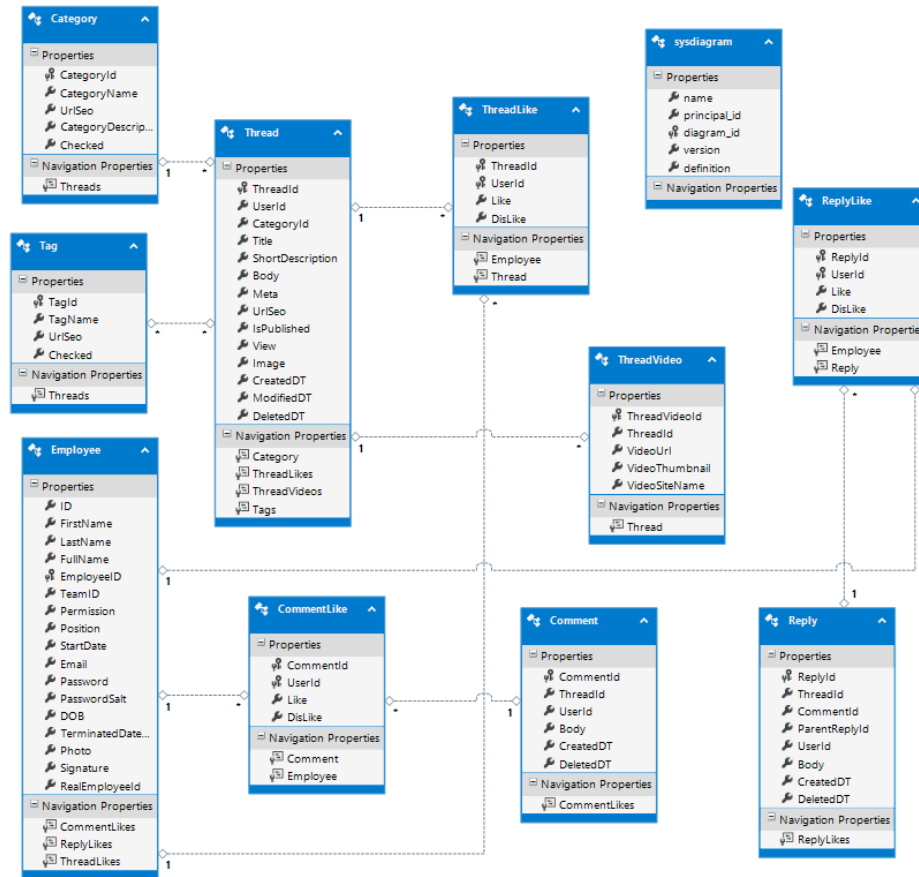


Comment



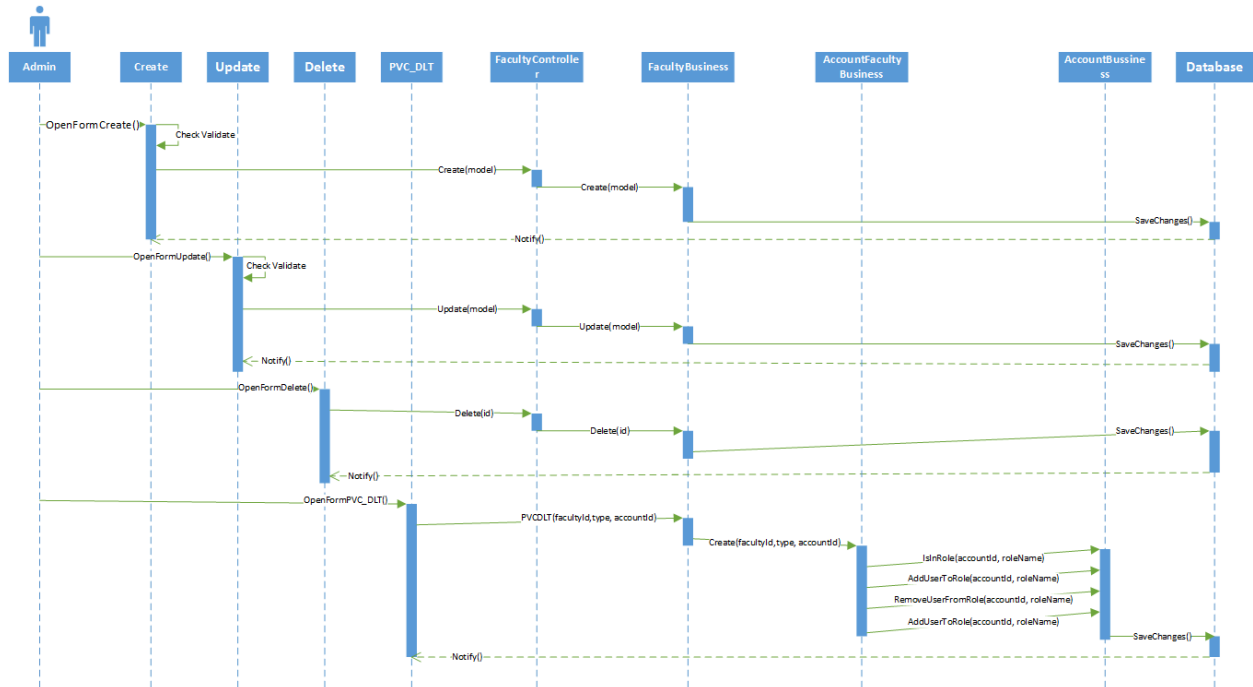
IV. Functionality

1. Entity Diagram

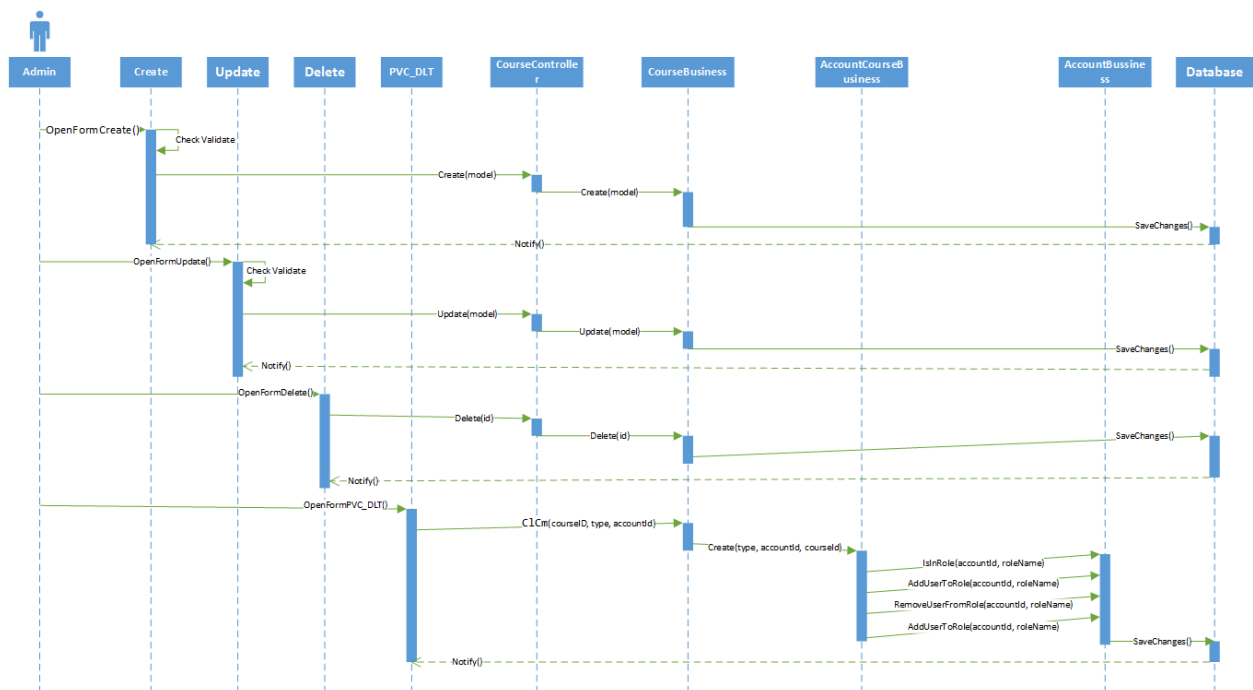


2. Sequence diagram

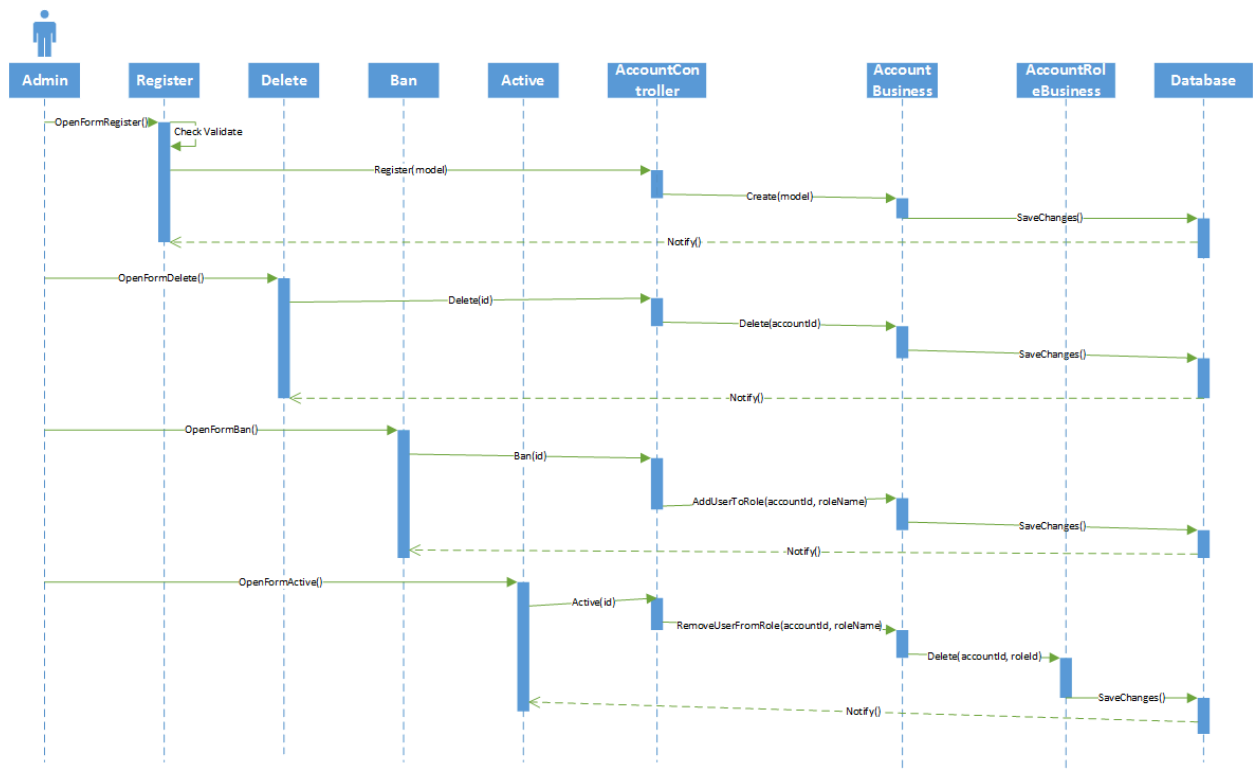
Manage Faculty



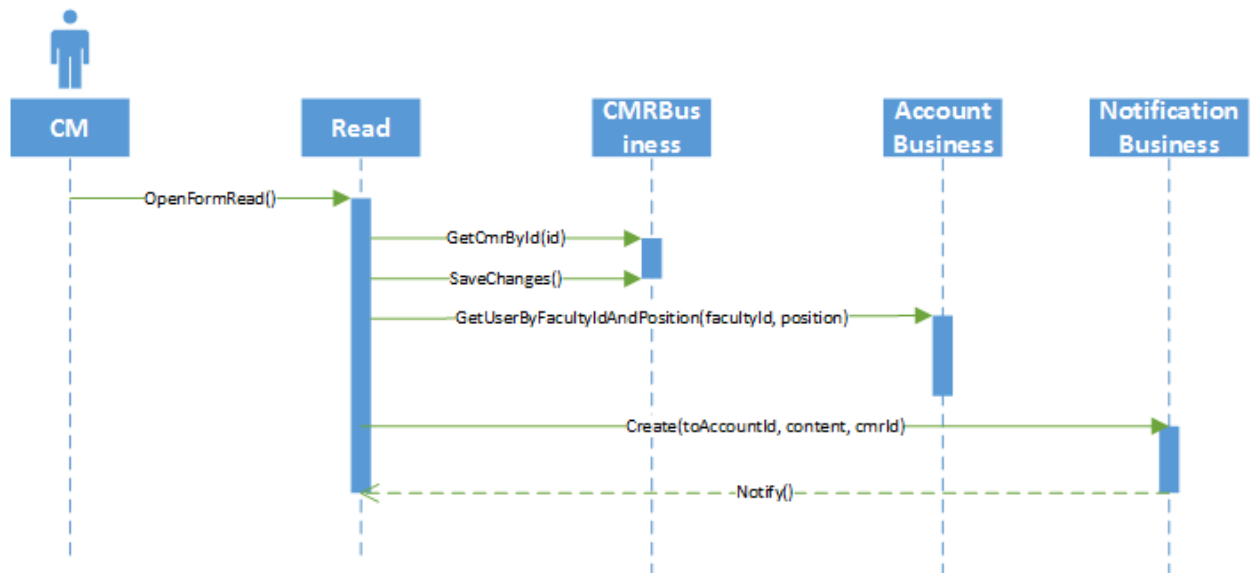
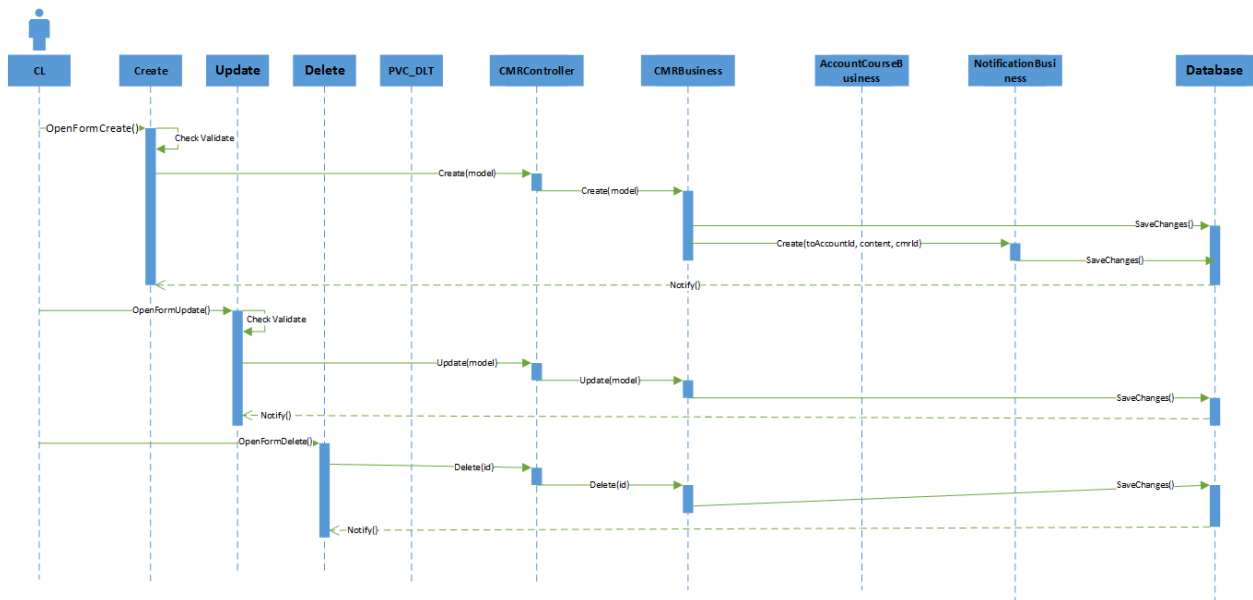
Manage Course



Manage Account

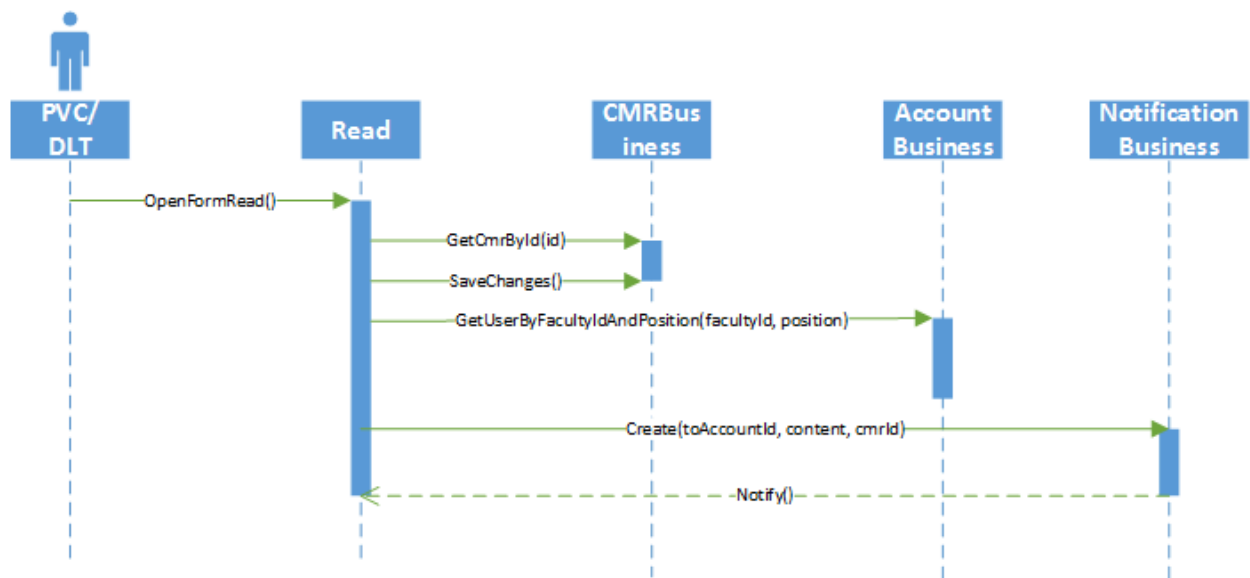


Manage Report



Approval Report

Comment Report



V. Testing

1. Test plan

No	Test content	Testing	Test data used	Result	Role

2. Test user stories

No.	Function	Date test	Status

V. Screencast and Presentation


Login

Sign In

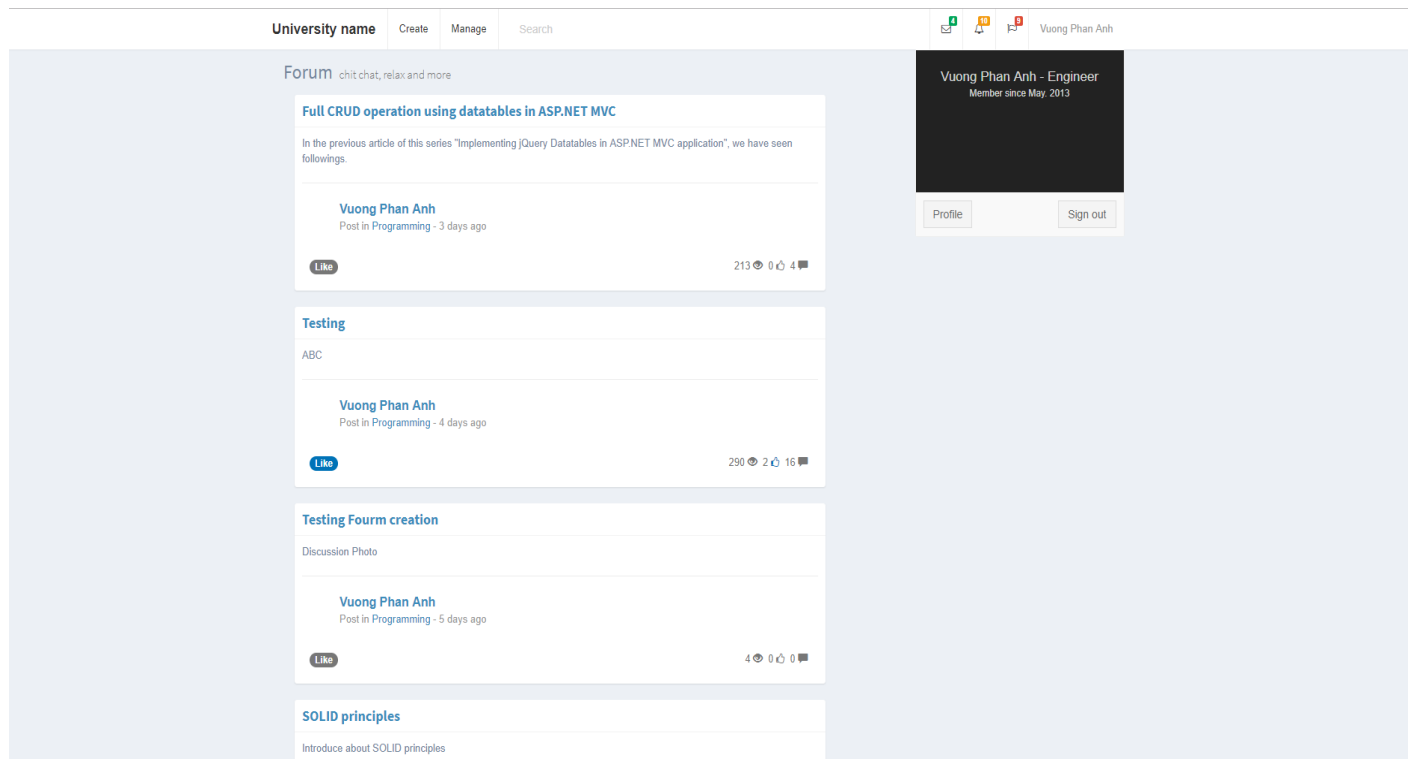
vuongphan@uni.com

Sign in Lost your password?

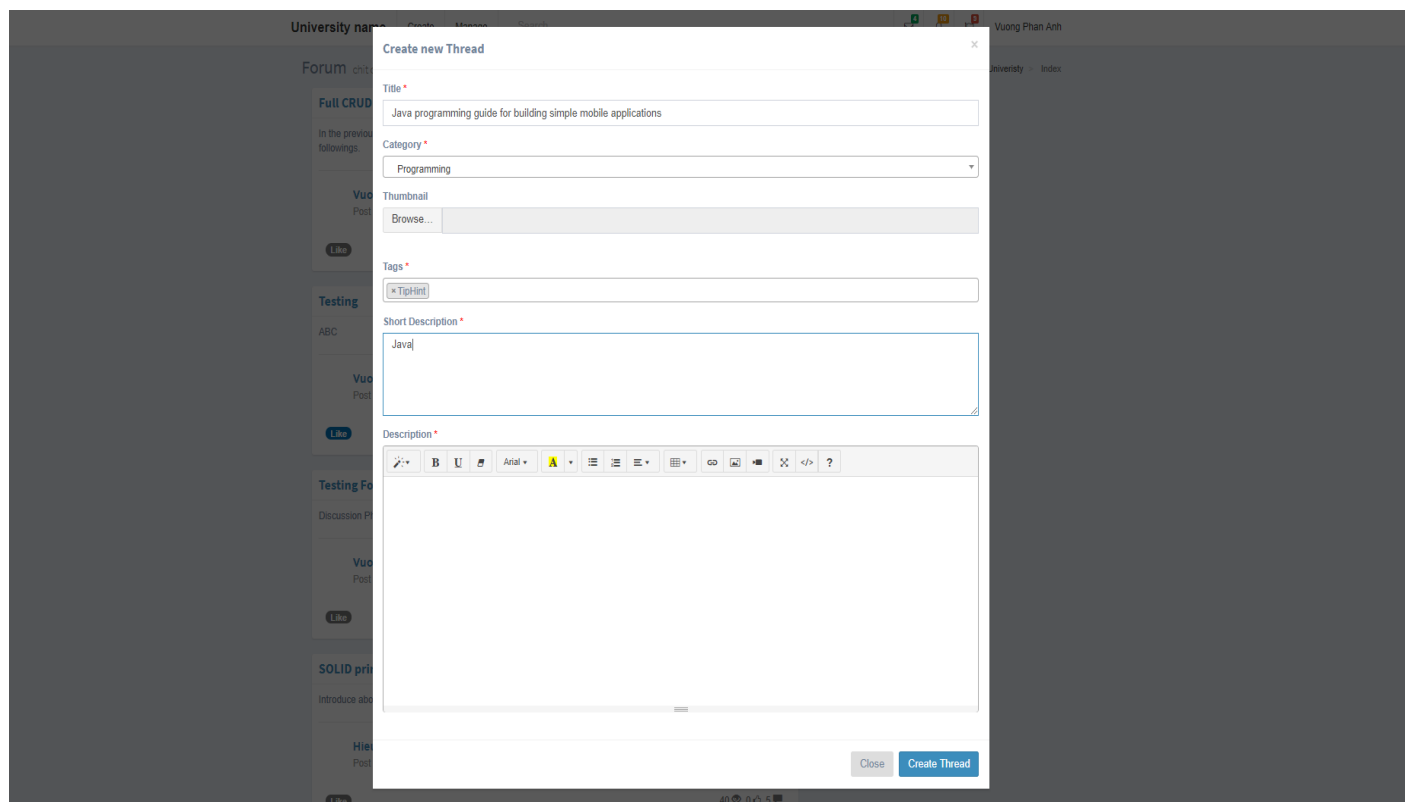
New to site? To request an account, please contact your administrators.

 University System

Forum Main page



Create New Thread



Result create topic

Comment in topic

Comment Result

Comments:

Vuong Phan Anh

0 seconds ago

successfully java

0 Like Edit

← Back to posts

Manage Category

University name

Create

Manage

Search

Vuong Phan Anh

Forum

Manage

Forum > Manage

Thread

Category

Tag

Create

Show 10 entries

Search:

CategoryId	CategoryName	UrlSeo	CategoryDescription	#Action
1	Programming	Programming	Programming	<div>EditDelete</div>
3	Windows	Windows	Windows	<div>EditDelete</div>
4	Mac	Mac	Mac	<div>EditDelete</div>
5	Sell	Sell	Sell	<div>EditDelete</div>

Showing 1 to 4 of 4 entries

Previous

1

Next

Manage Tag

Create

Show 10 entries

Search:

TagId	TagName	UrlSeo	#Action
1	KnowHow2	KnowHow2	Edit Delete
2	TipHint	TipHint	Edit Delete
3	win10	win10	Edit Delete
4	hotkey	hotkey	Edit Delete
5	programming	programming	Edit Delete
6	some thing new	some-thing-new	Edit Delete
7	macbook pro	macbook-pro	Edit Delete
8	macbook 15"	macbook-15-	Edit Delete
9	MVC	MVC	Edit Delete
10	Photo properties	Photo-properties	Edit Delete

Showing 1 to 10 of 11 entries

Previous 1 2 Next

Search result

Create

Show 10 entries

Search: win10

TagId	TagName	UrlSeo	#Action
3	win10	win10	Edit Delete

Showing 1 to 1 of 1 entries (filtered from 11 total entries)

Previous 1 Next