

Use Case ID	UC-01		
Use Case Name	Login as user		
Created By	Thanawat Lukuan	Last Update By	Thapakorn Tuwaemuesa
Date Created	26/2/18	Last Revision Date	28/2/18
Actors	User		
Description	User can login to the Registration system by input correct account and password. After login user can use other function of the system.		
Trigger	User enter “Login” page.		
Preconditions	Student must have an account.		
Use Case Input Specification			
Input	type	Constraint	Example
Account	String	Less than 20 characters	“ <a href="#">123@gmail.com</a> ”
Password	String	Less than 20 characters	“yang123”
Post conditions	User arrive user index page which are student or lecturer		
Normal Flows	Student	Registration System	
	2. User input account. 3. User input password. 4. User select “Student”. <b>[A1]</b> 5.User click “Sign in” button.	1.System provides input box for account and password, dropdown for position and “Sign In”,Cancel” button.  6. System validate the account and password. <b>[A2][E1]</b> 7.System show student index page. <b>[E1]</b>	

Alternative Flow	[A1: User select "Lecturer"] 1.User click ""Sign in button. 2.System validate the account and password. 3.System show lecturer index page. [A2:User input account wrong or password wrong] 1.System should provide error message. 2.System provides login page. 3.Go back to NF-1.
Exception Flow	[E1:Internet lost connection]
Assumption	User should understand English.

Use Case ID	UC-02		
Use Case Name	Login as Admin		
Created By	Thanawat Lukuan	Last Update By	Thapakorn Tuwaemuesa
Date Created	26/2/18	Last Revision Date	28/2/18
Actors	Admin		
Description	Admin can login to the Registration system by input correct identity and password.		
Trigger	Admin enter “Admin” page		
Preconditions	Admin must have an identity and password		
Use Case Input Specification			
Input	type	Constraint	Example
Identity	int	Less than 20 character	582115015
Password	String	Less than 20 character	“yang123”
Post conditions	Admin arrive admin index page		
Normal Flows	Student	Registration System	
	2. Admin input identity. 3. Admin input password. 4. Admin click “Sign in” button.	1.System provides input box for identity and password,and “Sign In”,Cancel” button.  5.System validate the account and password.[A1].[E1] 6.Registration system show admin index page.[E1]	
Alternative Flow	[A1:Admin input identity wrong or password wrong] 1.System shall provide error message. 2.System provide Admin page		

	3.Go back to NF-1.
Exception Flow	[E1:Internet lost connection]
Assumption	Admin should understand English.

Use Case ID	UC-03		
Use Case Name	Log out		
Created By	Thanawat Lukuan	Last Update By	Thapakorn Tuwaemuesa
Date Created	26/2/18	Last Revision Date	28/2/18
Actors	User and Admin		
Description	User or Admin log out from the system to leave the system.		
Trigger	User or Admin click “Logout” button.		
Preconditions	User or Admin must first login to the system.		
Use Case Input Specification			
Input	type	Constraint	Example
Post conditions	User or Admin arrive the Login page.		
Normal Flows	Student	Registration System	
		1. System show index page. <b>[E1]</b>	
Alternative Flow	none		
Exception Flow	[E1:Internet lost connection]		
Assumption	User and Admin should understand English.		

Use Case ID	UC-04		
Use Case Name	Create Course		
Created By	De wang	Last Update By	Thapakorn Tuwaemuesa
Date Created	26/2/18	Last Revision Date	28/2/18
Actors	Admin		
Description	Admin can create new course in this system. Admin should provide course id, course name,lecturer name,seat semester and credit(s) to create a new course		
Trigger	Admin click “add course” at navigation bar		
Preconditions	Admin must first login to the admin page		
Use Case Input Specification			
Input	type	Constraint	Example
Course ID	String	6 characters	953211
Course Name	String	Less than 20 characters	“Object-Oriented Programming”
Lecturer Name	String	Less than 20 characters	“Thanawat Lukuan”
Semester	String	none	“1/2560”
Seat	Int	Less than 3 digits numbers	45
Credit	Int	Only 1 to 9	2
Post conditions	The course has been created successfully.		

Normal Flows	Student	Registration System
	<p>2. Admin input an information course id, course name, lecturer name, semester, seat and credit</p> <p>3. Admin click submit.</p> <p>5. Admin click ok.<b>[A1]</b></p>	<p>1. System provides add course page which contains input box for course information and "Submit", "Cancel" button</p> <p>4. System show confirmation message with "OK" and "Cancel"</p> <p>6. System check whether Course ID is duplicate or not.<b>[A2]</b></p> <p>7. System add course to database<b>[E1]</b></p> <p>8. System alert "Successfully added"</p> <p>9. System redirect to admin index page<b>[E1]</b></p>
Alternative Flow	<p>[A1: Admin click cancel].</p> <p>1. Back to NF-1</p> <p>[A2: Course ID is duplicate]</p> <p>1. System provide error message</p> <p>2. Back to NF-1</p>	
Exception Flow	[E1: Internet lost connection.]	
Assumption	Admin should understand English.	

Use Case ID	UC-05		
Use Case Name	Enroll Course		
Created By	Thanawat Lukuan	Last Update By	Thapakorn Tuwaemuesa
Date Created	26/2/18	Last Revision Date	28/2/18
Actors	Student		
Description	Student can enrolled the course by select from the course they want.		
Trigger	Student click “Enroll Courses” at Navigation bar.		
Preconditions	Student must first login to the registration system		
Use Case Input Specification			
Input	type	Constraint	Example
Post conditions	Student enrolled course successfully and see the course at student index.		
Normal Flows	Student	Registration System	
	5. Student click “ADD” button.  7. Student click “OK”. <b>[A1]</b>	1.System show the enrollment page contains course table with “ADD” button”  6.System shall provides confirmation message with “OK” and “Cancel” button.  8.System check whether student’s remaining credit and course credit is enough. <b>[A2]</b> 9.System add the course into student database. <b>[E1]</b> 10.System redirect to index page <b>[E1]</b>	



Alternative Flow	[A1: Student click cancel] 1.Go back to NF-1 [A2: Student's credits more than 22 ] 1.System provides error message. 2.Go back to NF-1
Exception Flow	[E1:Internet lost connection.]
Assumption	Student should understand English.

Use Case ID	UC-06		
Use Case Name	Search Course		
Created By	Thanawat Lukuan	Last Update By	Thapakorn Tuwaemuesa
Date Created	26/2/18	Last Revision Date	28/2/18
Actors	Student		
Description	Student can search course by inputting course id or course name		
Trigger	Student click “Enroll courses” at Navigation bar		
Preconditions	Student must first login to the registration system		
Use Case Input Specification			
Input	type	Constraint	Example
Course Id	Int	Not more than 6 digits number	953323
Course Name	String	Less than 20 characters	“Object-Oriented Programming”
Post conditions	The result of searching method provided as table.		
Normal Flows	Student	Registration System	
	2.Student select Course Id.[A1] 3.Student input course id. 4. Student click “Search” button.	1.System provides input box for inputting course Id or course Name and show search box as search tab.  6.System show the result which are all course that matched to the keyword.[E1]	

Alternative Flow	[A1: Student select course name] 1.Student input course name. 2. Student click “Search” button. 3.System show the result which are all course that matched to the keyword. <b>[E1]</b>
Exception Flow	[E1:Internet lost connection]
Assumption	Student should understand English.

Use Case ID	UC-07		
Use Case Name	Withdraw course		
Created By	Thanawat Lukuan	Last Update By	Thapakorn Tuwaemuesa
Date Created	26/2/18	Last Revision Date	28/2/18
Actors	Student		
Description	Student can delete the course from their course list by clicking withdraw.		
Trigger	Student enter “student index” page		
Preconditions	Student must first login to the registration system		
Use Case Input Specification			
Input	type	Constraint	Example
Post conditions	The course will removed from student’s courses list.		
Normal Flows	Student	Registration System	
	1. Student click “Withdraw” button.  3. Student click “OK”. <b>[A1]</b>	2.System provides confirmation message with “OK” and “Cancel” button  4.System delete course from student list. <b>[E1]</b> 5.System provide “student index”page with course list table. <b>[E1]</b>	
Alternative Flow	[A1: Student click cancel]. 1.Go back to “student index” page		
Exception Flow	[E1: Internet lost connection.]		

Assumption	Student should understand English.
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Use Case ID	UC-08		
Use Case Name	See grade sumamy		
Created By	Thanawat Lukuan	Last Update By	Thapakorn Tuwaemuesa
Date Created	26/2/18	Last Revision Date	28/2/18
Actors	Student		
Description	Student can see transcript of their current semester.		
Trigger	Student click “My Transcript” at navigation bar.		
Preconditions	Student must first login to the registration system		
Use Case Input Specification			
Input	type	Constraint	Example
Post conditions	Student can see Transcript (GPA, Enrolled credits ,Received of Current semester summary and All semester summary.)		
Normal Flows	Student	Registration System	
		1.System provides Transcript page which contains table of courses and received grade for each course in a row and overall grade summary as a tab. <b>[E1]</b>	
Alternative Flow	none		
Exception Flow	[E1:Internet lost connection]		
Assumption	Student should understand English.		

Use Case ID	UC-09		
Use Case Name	See Tuition fees		
Created By	Thanawat Lukuan	Last Update By	Thapakorn Tuwaemuesa
Date Created	26/2/18	Last Revision Date	28/2/18
Actors	Student		
Description	Student can see tuition fees receipt. It will represent each course price and overall price.		
Trigger	Student click “Payment” at Navigation bar.		
Preconditions	Student must first login to the registration system.		
Use Case Input Specification			
Input	type	Constraint	Example
Post conditions	Tuition fees provided to Student completely.		
Normal Flows	Student	Registration System	
		1.System provides the payment page which contains tuition fee table that show each course price in a row and summary the price in total. <b>[E1]</b>	
Alternative Flow	none		
Exception Flow	[E1:Internet lost connection.]		
Assumption	Student should understand English.		



Use Case ID	UC-10		
Use Case Name	Grading		
Created By	Thanawat Lukuan	Last Update By	Thapakorn Tuwaemuesa
Date Created	26/2/18	Last Revision Date	28/2/18
Actors	Lecturer		
Description	Lecturer can put grade at the course their want to the students who enrolled the course by input score.		
Trigger	Lecturer click “Grading”at navigation bar.		
Preconditions	Lecturer must first login to the registration system		
Use Case Input Specification			
Input	type	Constraint	Example
Score	int	Only 1-100	85
Post conditions	The grade has been set successfully.		
Normal Flows	Student	Registration System	
	2.Lecturer select the course he want to give a grade.  4. Lecturer input score. 5.Lecturer clicks “Save” button[A1][A2]	1.System provides grading page which contain side tab to select the course and table to show student in each course also, input box for score.  3.System provides grading table for that course.[E1]  6.System save the grade for student.[E1]	



Alternative Flow	[A1:Lecturer click “save all” button] 1.System save the grade for all students in table 2.Go back to NF-1 [A2: Lecturer click “clear all” button] 1.System clear all score in input box from grading table 2.Go back to NF-1
Exception Flow	[E1:Internet lost connection]
Assumption	Lecturer should understand English.

Use Case ID	UC-11		
Use Case Name	See course history		
Created By	Thanawat Lukuan	Last Update By	Thapakorn Tuwaemuesa
Date Created	26/2/18	Last Revision Date	28/2/18
Actors	Lecturer		
Description	Lecturer can see all courses list that he/she has been teaching.		
Trigger	Lecturer click “History” at navigation bar.		
Preconditions	Lecturer must first login to the registration system		
Use Case Input Specification			
Input	type	Constraint	Example
Post conditions	The history of lecturer has been provided successfully.		
Normal Flows	Student	Registration System	
		1.System shall provide course history page which contain all courses that lecturer has been teaching as table[E1]	
Alternative Flow	none		
Exception Flow	[E1: Internet lost connection]		
Assumption	Lecturer should understand English.		

