TON DUC THANG UNIVERSITY

FACULITY OF INFORMATION TECHNOLOGY

ĐẠI HỌC TÔN ĐỨC THẮNG
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Enterprise Systems Development Concepts

Design and Analyze
a student management system
for an English Language Center

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Le Hoang Gia Huy 51603385

Abstract

Today, information technology is playing an important role in society. It helps people work with high levels of accuracy, manage and organize their work effectively, with information being updated quickly. Therefore, the application of technology to the departments of companies, enterprises and schools is inevitable.

So that, the ABC English Center is step by step emphasis on the management (with student management is the most important).This is because this work requires large amounts of information to be processed with high accuracy. Meanwhile, the number of students is increasing and continuously changing so the management becomes very difficult to inevitably mistakes.So that, the student management program will brings many benefits to the center:
- Save money, time, avoid mistakes for managers.
- Storage is safe and diverse.
- Easy to manage in entering or retrieving information.

With this project, we would like to apply the knowledge learned in the university along with studying language research, system analysis, social knowledge to build the system of managing students for the English language center to achieved the highest efficiency.

Special Thanks

I would like to express my deepest appreciation to Mr Duong Huu Phuc, whose contribution in stimulating suggestions and encouragement, helped we to coordinate my project especially in writing this report.

The project was completed at Ton Duc Thang University

We pledge that this is our own project and is guided by Mr. Duong Huu Phuc. The research contents, results in this topic are honest and not published in any way before. The data in the tables used for the analysis, comment, and evaluation are collected by the authors themselves from various sources indicated in the reference section.

In addition, the project uses some comments, reviews as well as data from other authors, other organizations have cited and annotated the source.

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Contents

1 Chapter 1. Preliminary Survey

1.1 Taking Request

ABC is an English Center with high-quality and suitable for all levels with competitive tuition with many attractive incentives. Currently the center offers courses including English for Children, English for Teenagers, English for Communication, TOEIC Preparation. Due to the large number of trainees and their frequent changes, the center needs a student management system to ensure smooth operation of the center.

For the purpose of providing an application that supports the management for the center, ESmart software came to solve that problem.

1.1.1 Describing the system by natural language

The system consists of three actors: guests, administrators (staffs) and students. Guests come to search the infos about the courses and test. If they agree, the center will be made for admission records and the information will be saved on the system. Students will include ID, name, DOB, gender, email, address, phone number, date of admission. Students can take many courses as long as they match the level of the class. The course includes information such as the ID, name, duration, and type of tuition. If There're enough students, the center will open classes. The class will carry information including course ID, student ID, teacher ID, days. Each student will have the study results according to their course registration. In addition, students and guests can send a request for the information on the course as well as possible new course registration when the old course has ended. When receive the study results from the teacher, admin will save the results of the students in each class. Admin and teachers infos are also stored in the system like student.

1.1.2 Actors and Use-case

Actors

After surveying several English language centers, we learned that support techniques for identifying actors are based on the answers to the following questions:

No	Question	Answer
1	Who will use the main function of the system?	
2	Who is the administers and maintainers?	
3	Who needs the support of the system to perform daily tasks?	
4	What equipment does the management system use?	
5	Should the system interact with other systems?	
6	Who or what is involved in the results of the system?	

Use-case

No	Question	Answer
1	How can the guest enroll class?	
2	How can the guest see the course's information	
3	What is the staff's main task?	
4	How will the learning outcomes of each student be managed?	
5	which learning method and evaluate can the students use?	
6	How to see the scores, schedule and homework?	
7	How many ways of payment can the students use?	
8	Who needs to be notified for system changes?	
9	Does the information need to be read, write, modify or update?	
10	Do external changes need to be reported to parents or students?	

## 1.2 System Overview

1.2.1 Basic tasks

The student management problem poses the following basic tasks:

• Manage your student registration, study registration.

• Manage classes, courses.

• Manage list of students, can filter the list to meet specific requirements.

• The system should allow to create monthly summary reports such as the number of students per recruitment, the list of students,...

• Record events that have occurred, such as adding new students, correcting student information, collecting outstanding tuition fees, ...

• Statistics of the number of trainees, teachers, tuition fees collected in the month,...

1.2.2 Some processes

Application process
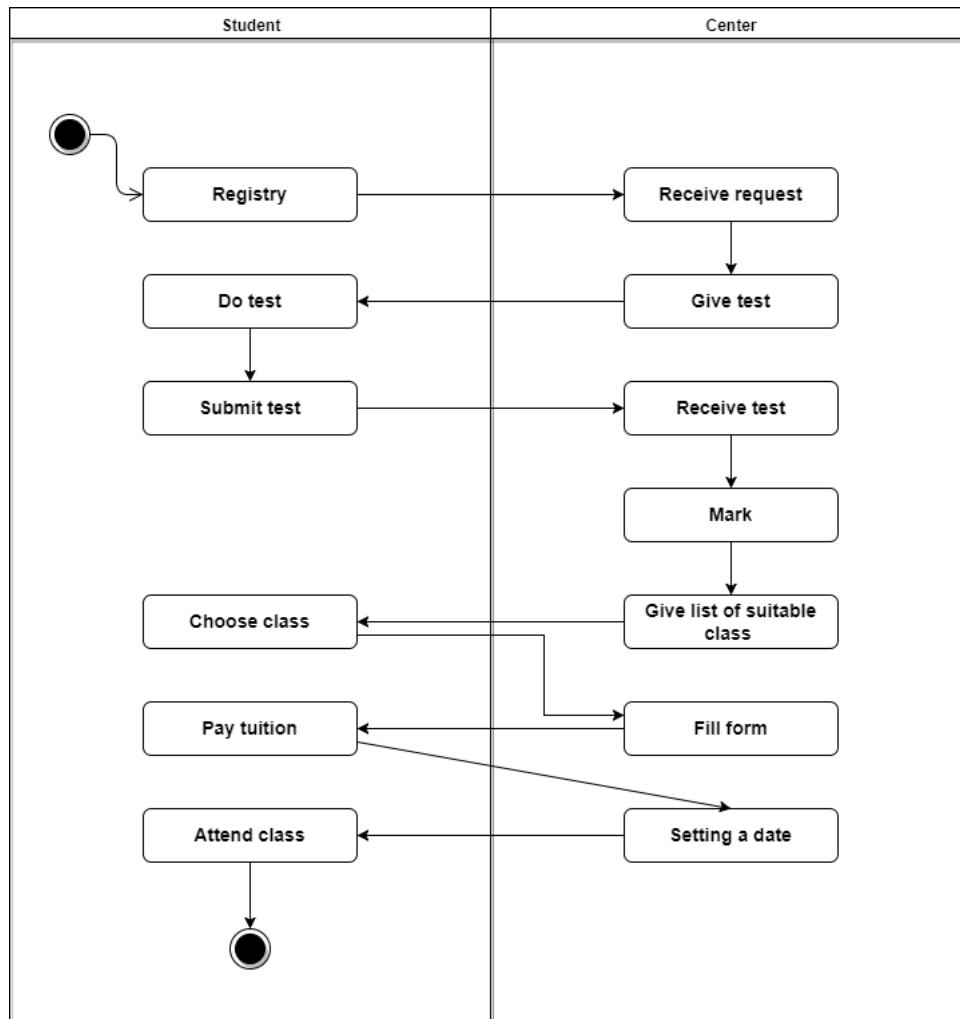
• The Center will open classes to meet the needs of the students

• When applying for the first time, students will be given a test and counseling program then classifying them according to the level of the learner

• Each course can be divided into class according to the learner's schedule.

• After completing the test, the staff records the student information, receive the money and gives a receipt of the tuition fee and sets the date of enrollment. At the same time, students will be provided with account information to log into the system to see the schedule as well

as test scores. If the student is too young, the parent will manage the account.

• Former students of the center after passing the final exam will be registered for higher level (if not pass will be retested).

• Students are flexible in terms of time: can change study time but make sure have enough 2 sessions in a week.

• For each class will be from 15 to 22 students, the duration of the English classes for children is 2 hours, the remaining classes are 3 hours.

Class Arranging Process
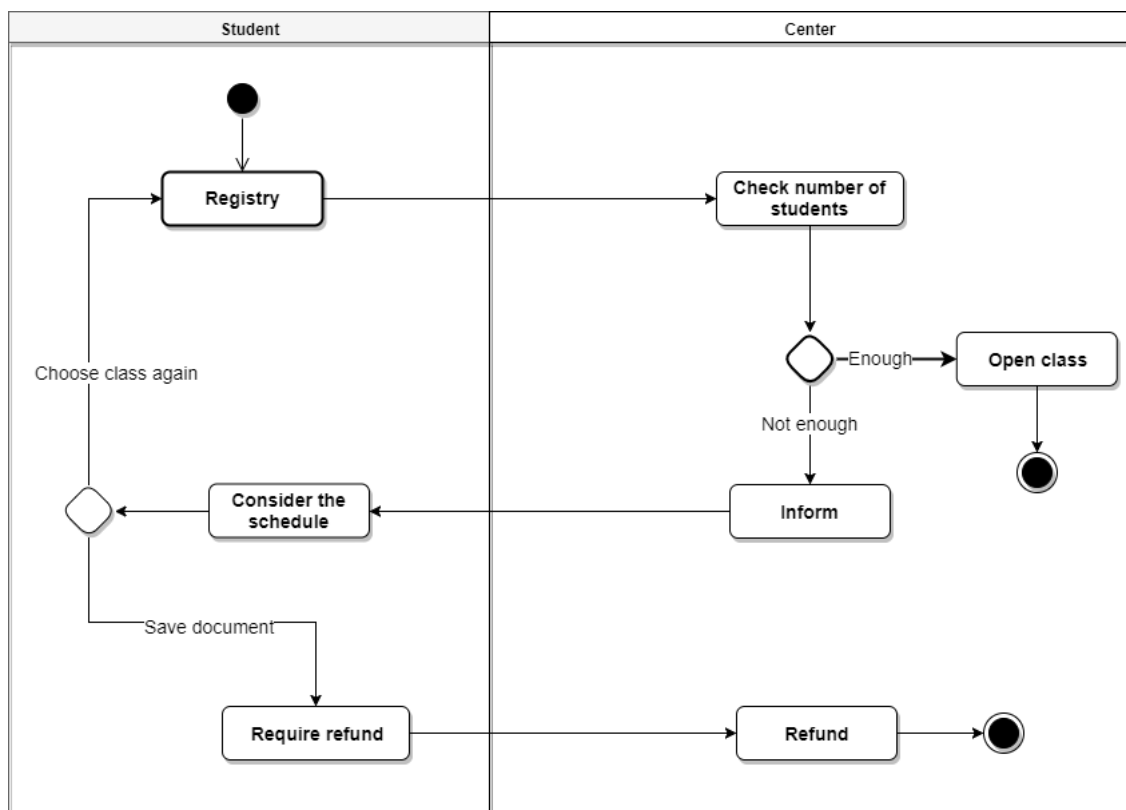
• The staff will be based on the hours students register to add to their class.

• Each student will have their own schedule for each level.

• A class is up to 22 students, if more, will be split into two classes.

• If there aren't enough student in a class (less than 10),the staff will contact the student to change schedule:

+ The class has to be the same level as you.

+ If there are no classes at the same level, the staff will be based on the entrance test score of the student to decide whether he or she will go up or down a level (if the student agrees).

+ Refund the tuition if there are no other choices.

Final Examination Process
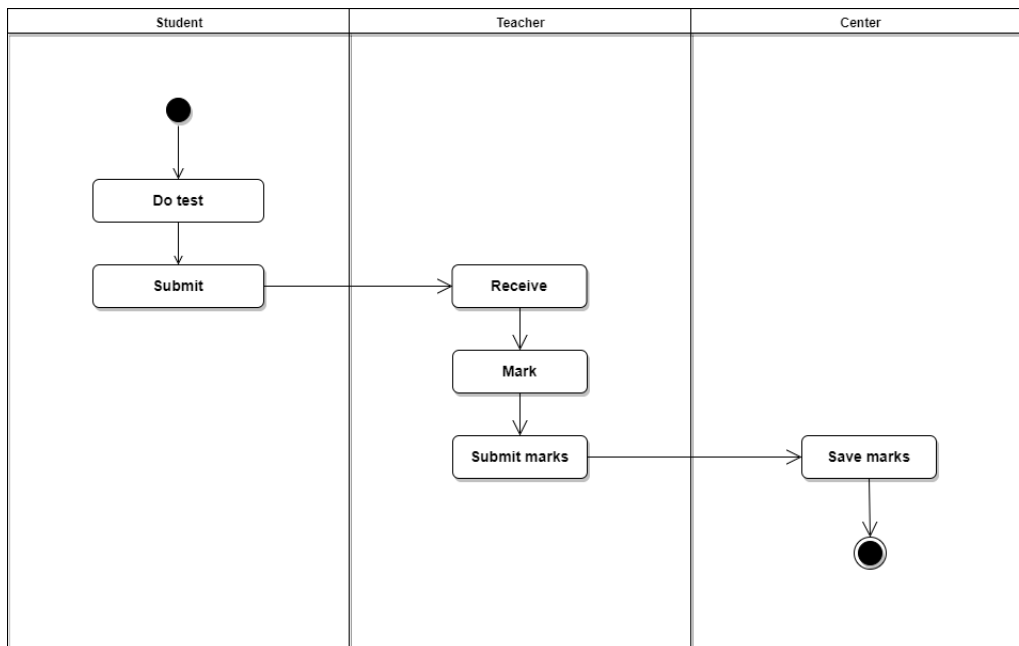
• Final exams will not be held centrally, but the teacher will plan the schedule according to the schedule outlined for each student and will automatically take the exam after finishing a level.

• The test is available for each level, the teacher will only need to pick up or rewrite the test according to the prepared structure.

• The teacher will take the student's test and will schedule a parent's appointment to report the results and counseling on the student's new level.

• The teacher will then summarize the scores in each student's personal book and will send it to the staff to save the results.

• When students pass the test after completing a level, they will be awarded a certificate, if the highest level of a course will be awarded and honored on the central gold.

2 Chapter 2. System Analysis

2.1 Function Requirement

- Management of student information: personal information, class-arranging test time, class-arranging test results, levels achieved in the course, final level test results.
- Manage guest's request:
- Manage class information, open classes and related information.
- Update student information
- Note some other information such as paying additional tuition fees for former student, retake time for student who do not pass the exam, and change course schedules.
- The department will enter the results of class-arranging tests on the system, the system will automatically classify students at the same level or same class hour to support class Arrangement.
- Making statistics by month: list of students need to add tuition fee, number of student of each course, number of student retake the test, number of absent students, or refund.
- Record events that have occurred, such as adding new students, correcting student information, collecting outstanding tuition fees,...

2.2 Non-functional requirements

- The system has security and authorization:
+ Users of the program: register and assign the right type of user as admin or user to be able to easily monitor and control the program.
+ Use account and password to enter the program.
- It is necessary to divide the access to data for each user group in order to avoid the adjustment of data not belonging to the users, leading to the bias of the monthly statistics.

• The system need to be easily upgraded, maintained at the lowest cost and highly interactive.

• The system will protect user information such as information about students' tuition and fees.

2.3 Function's Description

The Actors are: Guest, Student and Staff.

• **Guest**: Any user who log into the system, have these main function:

- View the course information, the center's notice

- Register test

• **Student**: The person who take the enroll test and was given an account and password to log into the system by the center, have these main function:

- Check points

- View schedule

- Register for class

• **Staff**: Include the manager and the teacher, have these main function:

- Management of students: Include activities to delete, add and update student information

- Teacher management: Update center's teacher information

- Managing notifications: add news, updated notification items and posted on the website of the center.

- Course Management: Create, delete, edit course information.

- Classroom management: Attendance information. In addition, the staff manages the maximum number of students per class, if there are too few students registered, the class will not open.

- Statistics: Create a monthly report on the number of students enrolled, absent from school, the number of students passing or failing the final exams,
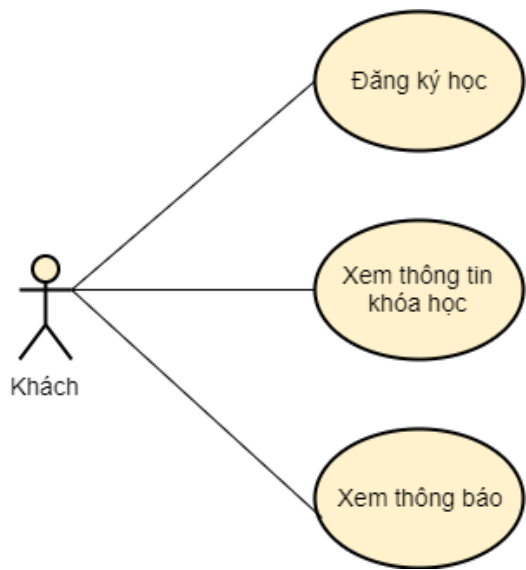
2.4 Diagram
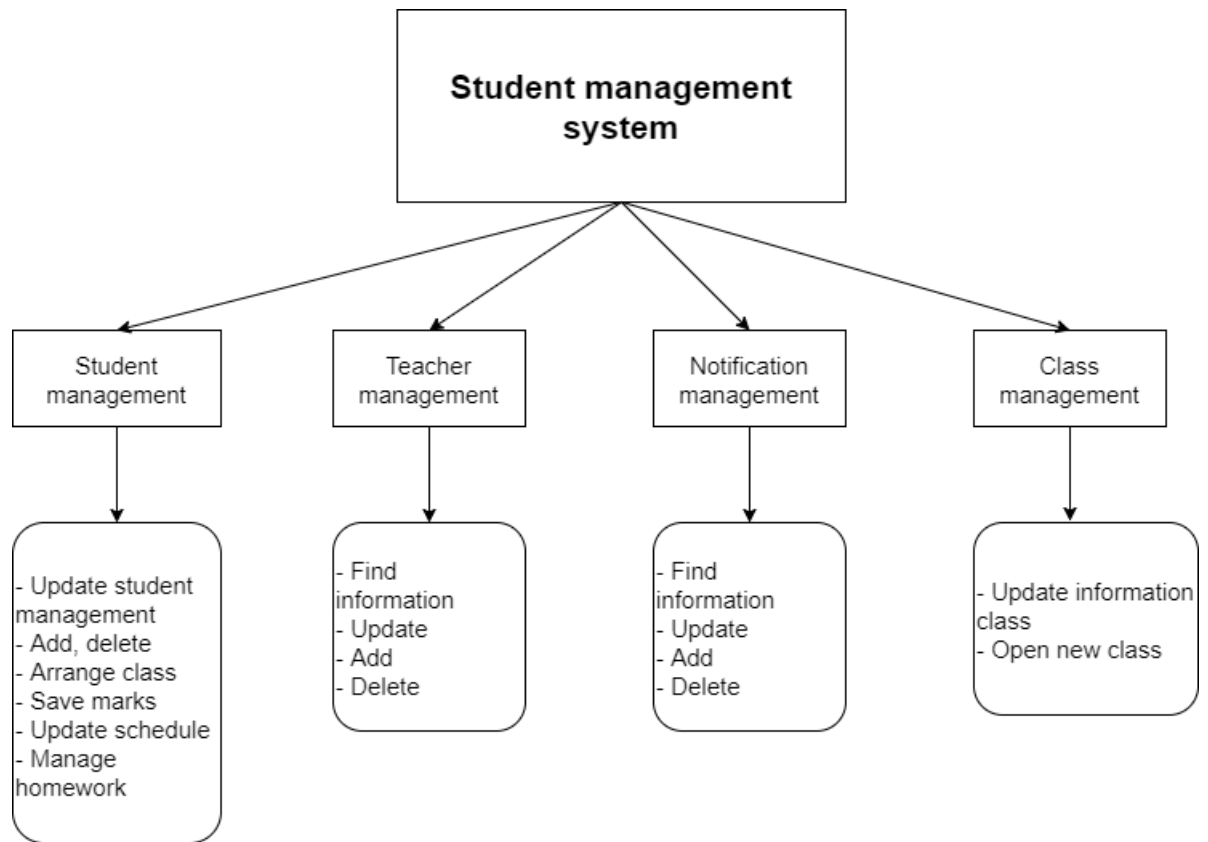
3 Chapter 3. System Design
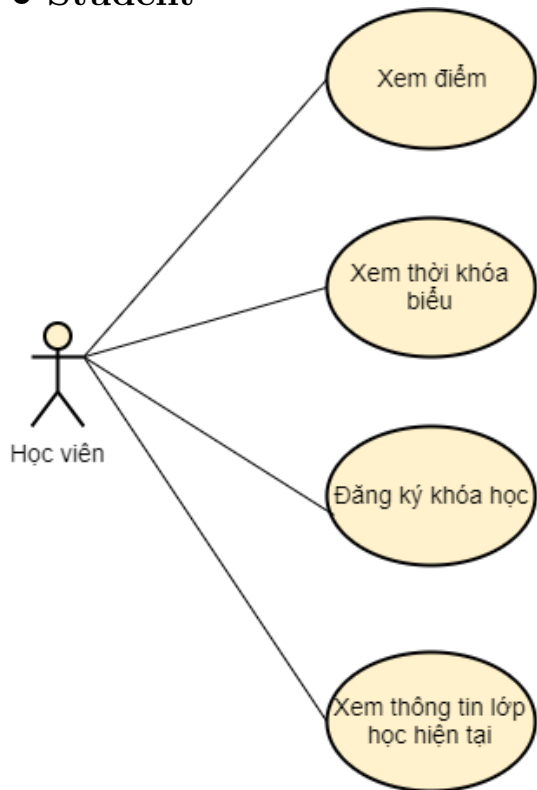
3.1 Model design

3.1.1 Use-case Diagram and Specification

The actors that affect the system are guests, students and staff of the center. The functions will be classified according to the actors that affect the system.
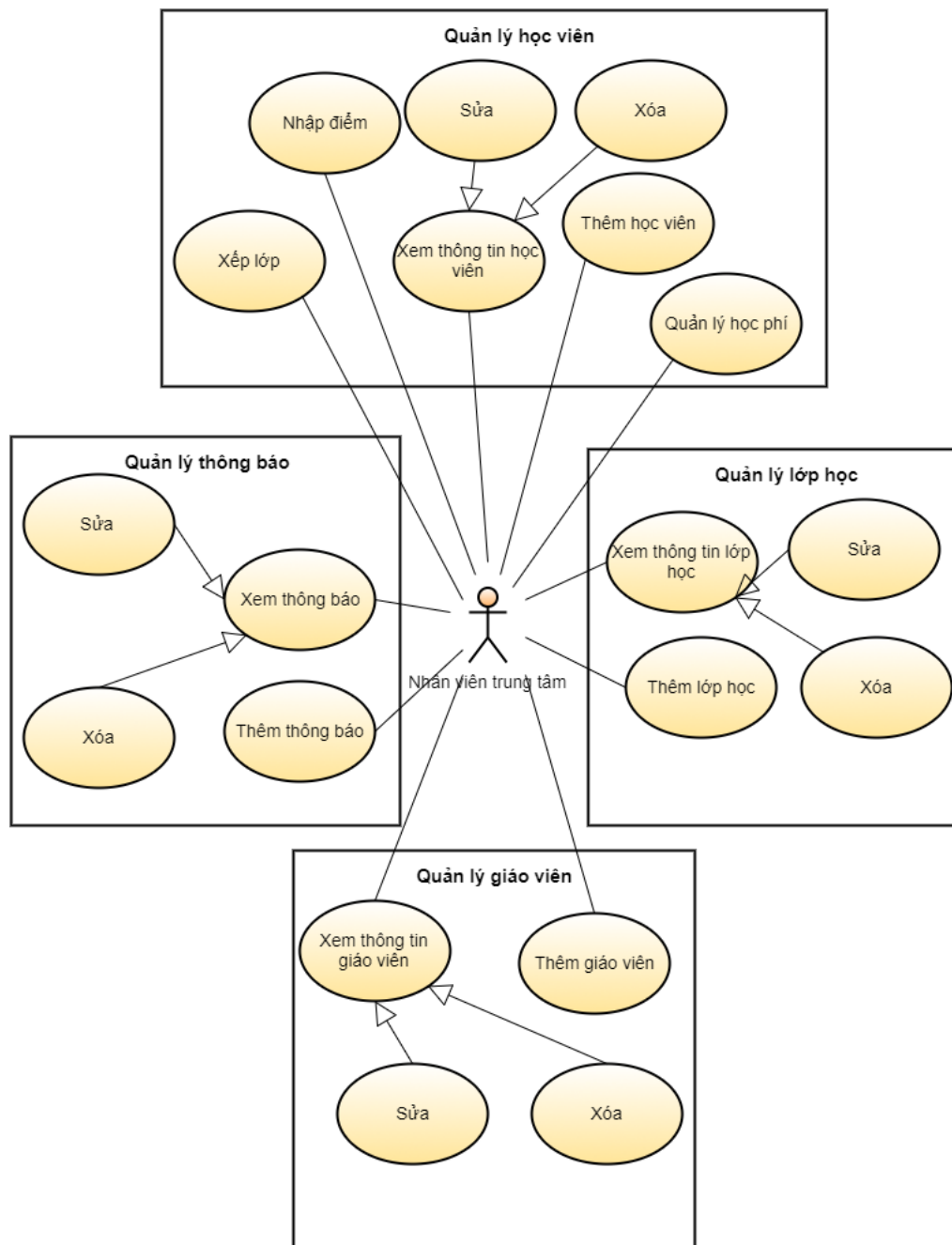
● **Guest**

- **Student**

- **Staff**

Quản lý học viên

Nhập điểm · Sửa · Xóa · Xem thông tin học viên · Thêm học viên · Xếp lớp · Quản lý học phí

Quản lý thông báo

Sửa · Xem thông báo · Xóa · Thêm thông báo

Quản lý lớp học

Xem thông tin lớp học · Sửa · Thêm lớp học · Xóa

Nhân viên trung tâm

Quản lý giáo viên

Xem thông tin giáo viên · Thêm giáo viên · Sửa · Xóa

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Use case Description:

1/View course information

Name	View course information
Description	Before enrolling the course, customer will be able to view the courses offered by the center to make the right choice
Actor	Customer
Event Triggered	Customer clicks "View course information"
Prerequisites	Course information is available in the database

Main float		
	Customer	**System**
	1. Click "View course information"	
		2. Show the list of courses
	3. Select courses	
		4. View course information

Alternative float	No
Result	Customer are informed about the upcoming courses of the center
Exception	No
Frequency of use	High

2/Enrollment(Guest)

Name	Enroll the course
Description	Customers can register for the course, fill in the form, then the staff will call to give consultant about the course and before registration, customers have to pass a test
Actor	Customer
Event Triggered	Cutomers clicks "Enroll the course"
Prerequisites	No

Main float	Customer	System
	1. Click "Enroll the course"	
		2. Show the lists of courses
	3. Select the course and fill in the registration form	
		4. Record the information and the staff will call to give the consultant
	5. Accept test registration	
		6. Set date for the test
		7. Save to database

Alternative float	No
Result	Customer are sucessfully registered
Exception	No
Frequency of use	High

3/View marks

Name	Check scores
Description	The results of all the test will be saved to database and students can review it
Actor	Student
Event Triggered	Students click "Check scores"
Prerequisites	Already logged in and haved information in the database

Main float	Student	System
	1. Click "Check scores"	
		2. View the list of tests
	3. Select test	
		4. Check scores in database
		5. Display the corresponding test score

Alternative float	No
Result	Student scores are displayed on the screen
Exception	When students don't do the test => display "K" score
Frequency of use	Medium

4/Enrollment(Student)

Name	Enroll the course
Description	After completing a level of education, students who wish to continue studying at the center will register for the next class
Actor	Student
Event Triggered	Students click "Enroll the course"
Prerequisites	Already logged in

Main float

Student	System
1. Click "Enroll the course"	
	2. Display a list of registered classes
3. Choose classes	
	4. Save student information into corresponding classes in the database
	5. Display sucess notification

Alternative float	No
Result	Student register successfully is stored in the database
Exception	No
Frequency of use	Medium

5/Student check schedule

Name	Check schedule
Desciption	Students can check the schedule they have registered
Actor	Student
Event Triggered	Students click "Check schedule"
Prerequisites	Already logged in and haved information in the database

Student	System
1. Click "Check schedule"	
	2. Display the schedule

Main float	(table above)
Alternative float	No
Result	Student's schedule is displayed on the screen
Exception	No
Frequency of use	Medium

6/Staffs input marks

Name	Input scores
Description	Staff will receive test scores from teachers and upgrade the scores to database
Actor	Staff
Event Triggered	Staffs click "Input scores"
Prerequisites	Already logged in & haved test scores

Main float	Staff	System
	1. Click "Input scores"	
		2. Display lists of students
	3. Select student	
		4. View input scores
	5. Enter corresponding scores for each students	
		6. Update to database

Alternative float	No
Result	Student 's scores are updated in the database
Exception	No
Frequency of use	High

7/Staffs arrange class

Name	Arrange Class
Description	When students enroll course, the staff will arrange the class depend on the level and needs of students
Actor	Staff
Event Triggered	Staffs click "Arrange class"
Prerequisites	Already logged in and haved information in the database

Main float		
	Staff	**System**
	1. Click "Arrange class"	
		2. Display the list of information of students who did not classify
	3. Assign classes to students according to their needs	
		4. Display the list of new classes for the staff
	5. Confirm	
		6. Update to database

Alternative float	No
Result	New classes and students are added to the class
Exception	No
Frequency of use	Medium

8/View student informations

Name	View student informations
Description	**A. Add** When the new student enrolls in and has passed a test, the student is added to database. **B. Edit** When the student informations change or while in "View student information", the staffs will detect the errors and correct it. The correct informations are saved in the database **C. Delete** When the students are no longer in the center, staff will reserve within 6 months, after 6 months will remove/delete student information from the database
Actor	Staff
Event Triggered	Staffs click "View students informations"
Prerequisites	Already logged in and haved information in the database
Main float	**A. Add** 1. Click "Add student" 2. Display form for the staff to input student information 3. Fill in the student information 4. Save student information to database 5. Display sucess notification **B. Edit** 1. Click "Edit student informations" 2. Display the form for the staff to edit 3. Edit 4. Save to database **C. Delete** 1. Click "Delete student informations" 2. Ask if the staff want to delete or not 3. Select "Delete". 4. Delete student informations if the staff click "Yes"
Alternative float	No
Result	Display student informations
Exception	No
Frequency of use	High

9/View teacher informations

Name	View teacher informations
Description	**A. Add** Once a teacher was hired, the staffs add the teacher to the center's database **B. Edit** When the teacher informations change or while in "View teacher informations", the staffs will detect the errors and correct it. The correct informations are saved in the database **C. Delete** When the teachers are no longer work in the center, staff will remove/delete teacher informations from the database
Actor	Staff
Event Triggered	Staffs click "View teacher information"
Prerequisites	Already logged in and haved information in the database
Main float	**A.Add** 1. Click "Add new teacher" 2. Display the "input inforrmations" form 3. Input the informations 4. Save to database 5. Display success notification **B. Edit** 1. Click "Edit teacher informations" 2. Display the form for the staff to edit 3. Edit 4. Save to database **C. Delete** 1. Click "Delete teacher informations" 2. Ask if the staff want to delete or not 3. Select "Delete" 4. Delete teacher informations if the staff click "Yes"
Alternative float	No
Result	Display teacher informations
Exception	No
Frequency of use	Medium

10/View announcements

Name	View announcements
Description	After log into the system, the staff will go to the information management menu and the announcements viewer to see the news posted on the system, this is for the edit, delete work more convenient **A. Add** Staff will post the new announcement on the website of the center and this aanouncement will be saved in the database **B. Edit** When the announcements change or while in "View announcements", the staffs will detect the errors and correct it. The correct informations are saved in the database
Actor	Staff
Event Triggered	Staffs click "View announcements"
Prerequisites	Already logged in and haved information in the database
Main float	**A. Add** 1. Click "Add announcements" 2. Display the form 3. Fill in the form. 4. Save to databse 5. Display success notification **B. Edit** 1. Click "Edit announcements" 2. Display the form for the staff to edit 3. Edit 4. Save to database
Alternative float	No
Result	Staff can see the announcements
Exception	No
Frequency of use	Medium

11/View class informations

Name	View class informations
Description	The staff will see the information of each class to consider open, delete or edit class informations **A. Add** When there're classes full of students, the staffs will add another new class to database **B. Edit** When the class change or while in "View class informations", the staffs will detect the errors and correct it. The correct informations are saved in the database
Actor	Staff
Event Triggered	Staffs click "View class informations"
Prerequisites	Already logged in and haved information in the database
Main float	**A. Add** 1. Click "Add class" 2. Display the form to add classes 3. Fill in the form 4. Save to databse 5. Display success notification. **B. Edit** 1. Click "Edit teacher informations" 2. Display the form for the staff to edit 3. Edit 4. Save to database
Alternative float	No
Result	Staffs can see class informations
Exception	No
Frequency of use	High

12/Management of tuition fee

Name	Management of tuition fee
Mô tả	When the parents want to see the tuition informations, staff will extract the student list with the tuition informations about that student by name or ID
Actor	Staff
Event Triggered	Staffs click "Management of tuition fee"
Prerequisites	Already logged in and haved student informations in the database
Main float	*see table below*
Alternative float	No
Result	Display student's fees informations
Exception	No
Frequency of use	Medium

Staff	System
1. Find students who want to check tuition fees	
	2. Display the list of students by name or ID
3. Click "View tuition fee"	
	4. Display success notification.
	5. Save to databse

3.1.2 ERD Diagram

Description:

The center needs to build a database for the teaching activities. Center opens many courses: courseID, name, duration, type, fee. Each course consists of several classes: roomID, startdate, session. Each class only taught by a teacher but a teacher can teach several different classes. Teacher's informations consists of: teacherID, name, birthday,

gender, phone, email, address, admission, status. Students can take many courses as they like. Student's informations consists of: studentID, name, birthday, gender, phone, email, address, admission, status. Student's test results consists of: result1, result2, result3, test1, test2. Every student and teacher will be managed by the center staff (admin). Admin's informations consists of: adminID, name, birthday, gender, phone, email, address, admission, status.

- Class Student consists of:

+ studentID : Student ID

+ firstname : Student's name

+ lastname : Student's name

+ birthday : Student's birthday

+ gender : Student's Gender

+ phone : Student's phone number

+ email : Student's email

+ address : Student's address

+ admission : admission date

+ status : Student's status

- Class Admin consists of:

+ adminID : Admin ID

+ firstname : Admin's name

+ lastname : Admin's name

+ birthday : Admin's birthday

+ gender : Admin's Gender

+ phone : Admin's phone number

+ email : Admin's email

+ address : Admin's address

+ admission : admission date

+ status : admin's status

- Class Teacher consists of:

+ teacherID : Teacher ID

+ firstname : Teacher's name

+ lastname : Teacher's name

+ birthday : Teacher's birthday

+ gender : Teacher's Gender

+ phone : Teacher's phone number

+ email : Teacher's email

+ address : Teacher's address

+ admission : admission date

+ status : Teacher's status

- Class Room consists of:

+ RoomID : Room ID

+ startdate : Course ID

+ section : class section

- Class Course consists of:

+ courseID : Course ID

+ name : Course's name

+ duration : Course's duration

+ fee : Course's fee

+ type : Course's type

- Class Point consists of:

+ result1 : result 1

+ result2 : result 2

+ result3 : result 3

+ test1 : test 1

+ test2 : test 2

3.1.3 Relation Diagram

Student(stud<u>e</u>ntID, name, birthday, gender, phone, email, address, admission, status)

Admin (adm<u>i</u>nID, name, birthday, gender, phone, email, address, admission, status)

Teacher(teacherID, name, birthday, gender, phone, email, address, admission, status)

Roon(roo<u>m</u>ID, startdate, session)

Course(cour<u>s</u>eID, name, duration, type, fee)

Point (result1, result2, result3, test1, test2)

3.1.4 Class Diagram

Student

+ id_student: String
+ firstname: String
+ lastname: String
+ birtday: String
+ gender: boolean
+ phone: String
+ email: String
+ address: String
+ admission: Date
+status: String

+ getResult()
+ viewClass()
+ registerCourse()

User

+ username: String
+ password: String

+ getPassword(String username)
+ getUsername()

Admin

+ id_admin: String
+ firstname: String
+ lastname: String
+ birtday: String
+ gender: boolean
+ phone: String
+ email: String
+ address: String
+ admission: Date
+ status:String

+ get_Information()
+ create_student_profile()
+ create_teacher_profile()
+ update()
+ delete()
+ find()
+ checkFee()
+ assignCourse

Course

+ courseID: String
+ name: String
+ duration :String
+ fee: int
+ type: String

+ getName()
+ getID()
+ getFee()

Request

+ id_request: String
+ date_created: Date
+ status: String

Point

+ result1: int
+ result2: int
+ result3: int
+ test1: int
+ test2: int

Room

+ id_room: String
+ start_date: Date
+ section: int

+ getIDRoom()
+ getIDTeacher()
+ getIDCourse()

Teacher

+ id_teacher: String
+ firstname: String
+ lastname: String
+ birtday: String
+ gender: boolean
+ phone: String
+ email: String
+ address: String
+ admission:String
+ status: String

3.1.5   Sequence Diagram

1/Assign Teacher
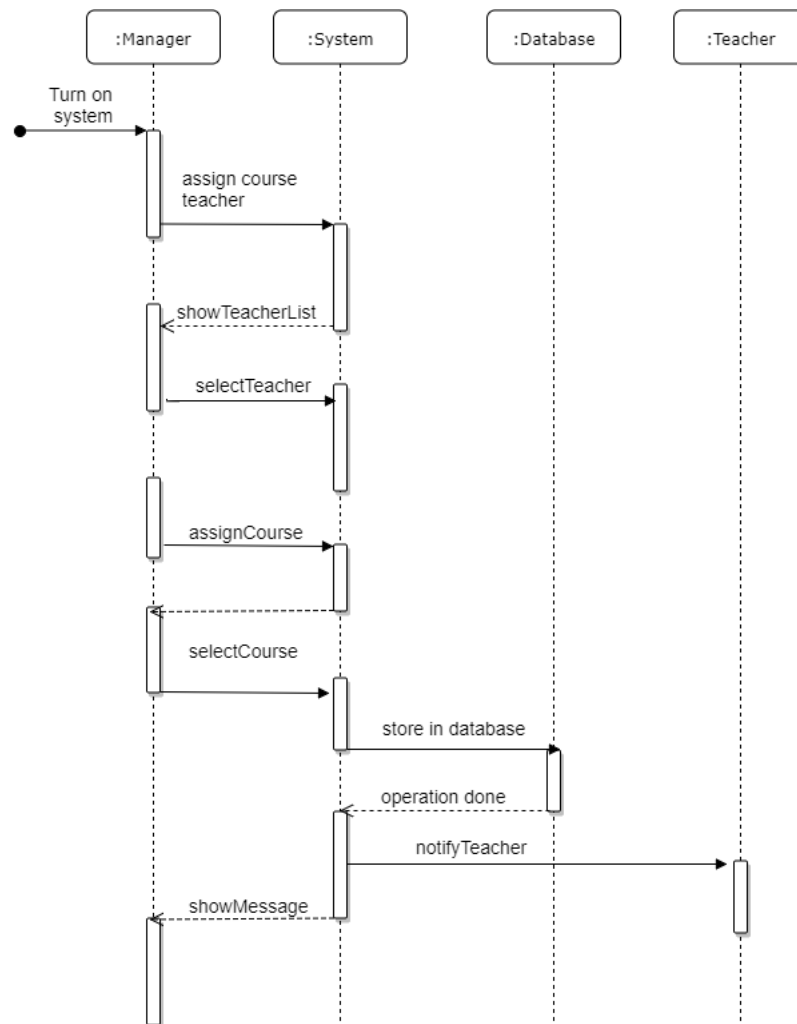
2/Change Student Profile(Teacher Profile and Class are same)
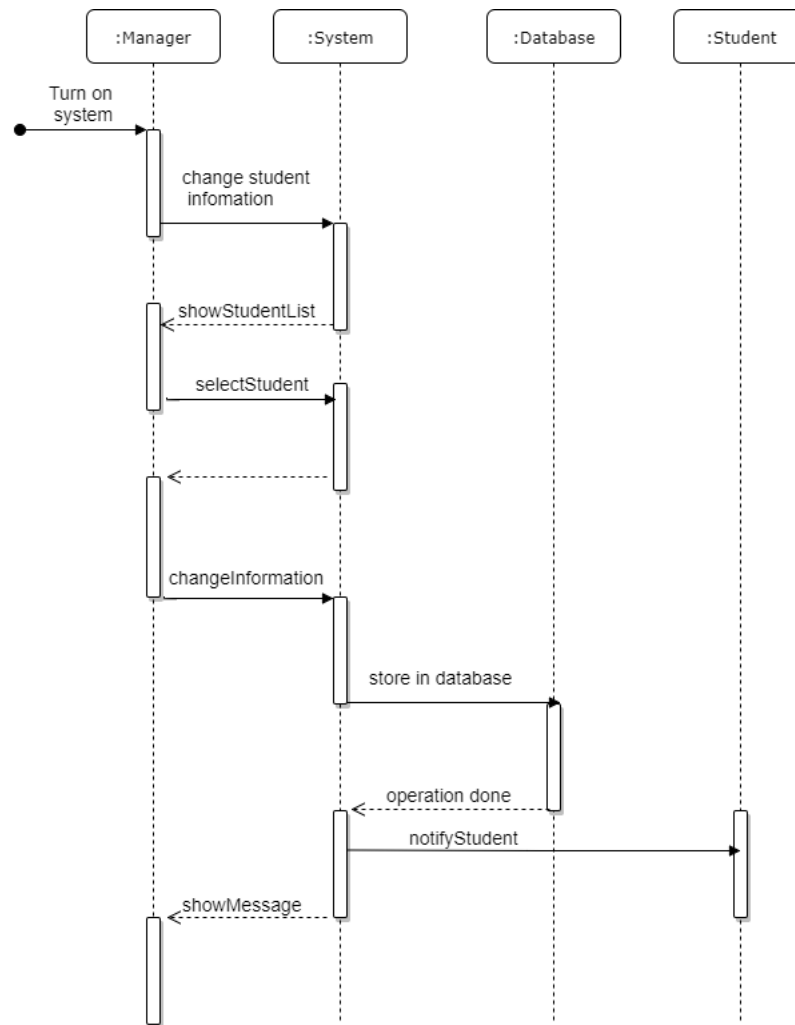
3/Create Student Profile(Teacher and Class are same)
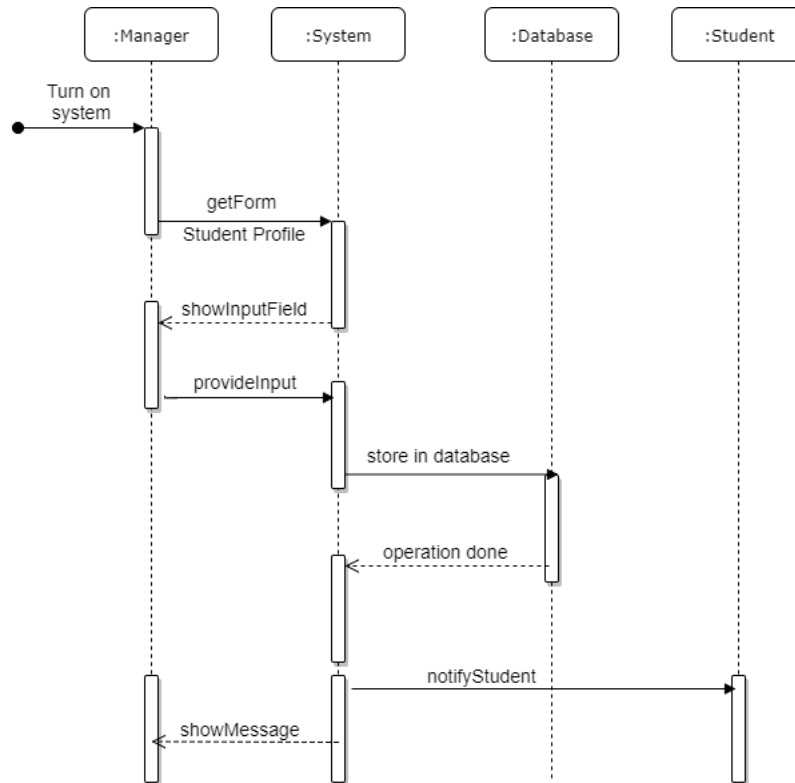
4/Publish course
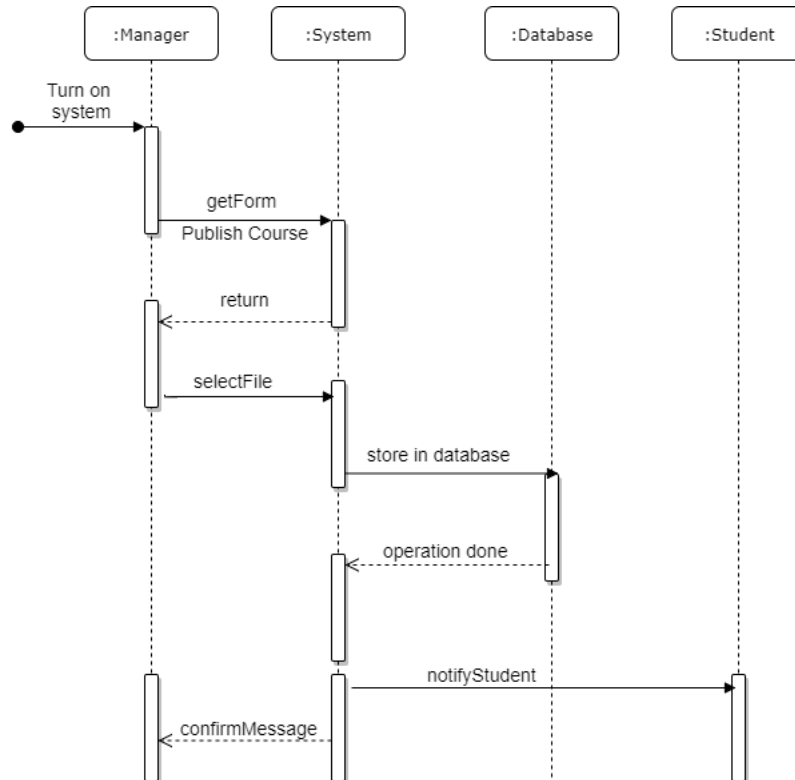
5/Remove Class Profile(Teacher and Student are same)
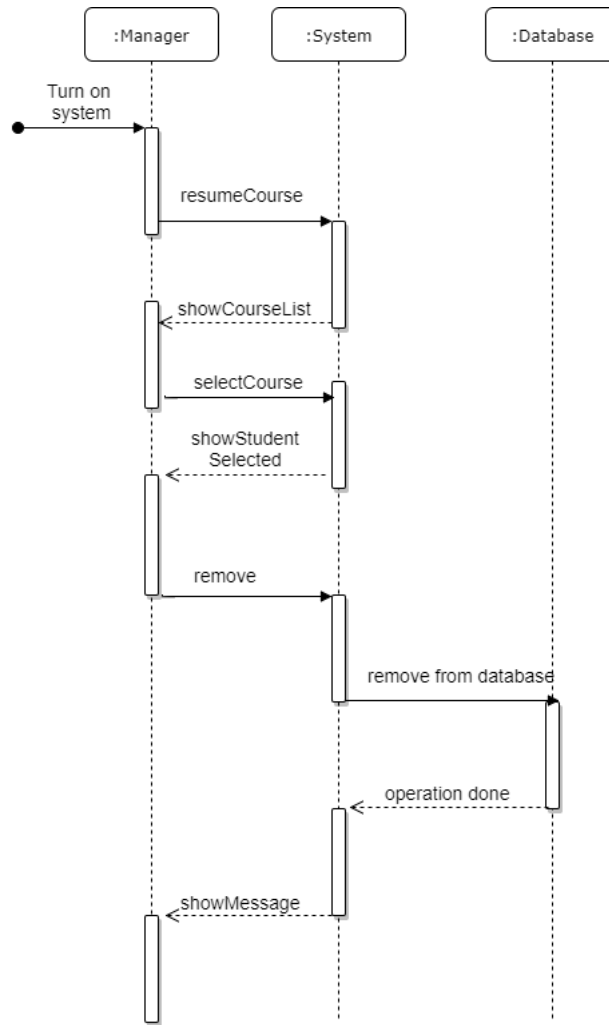
6/Record fee
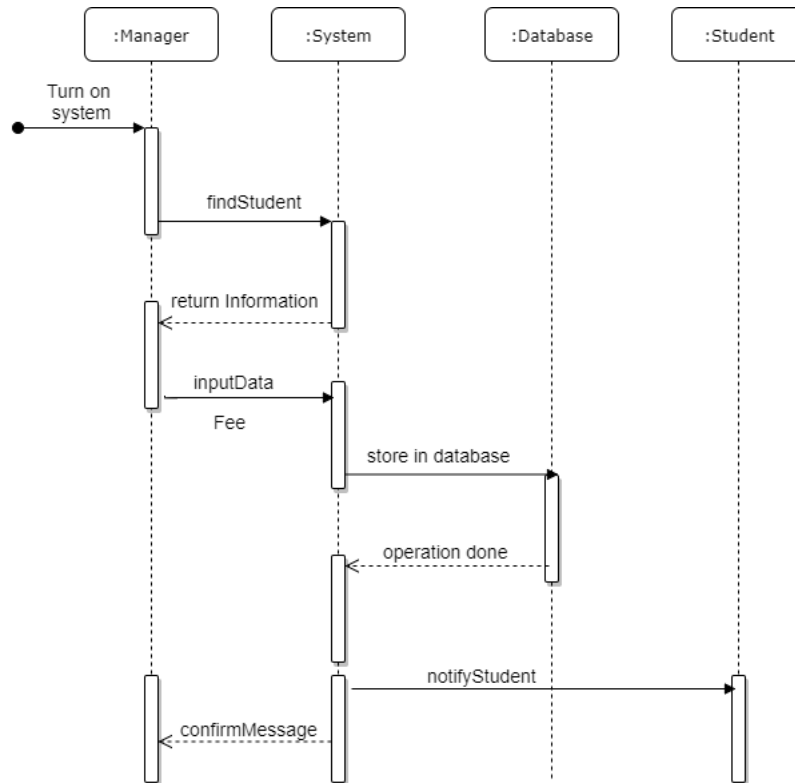
7/Submit Mark
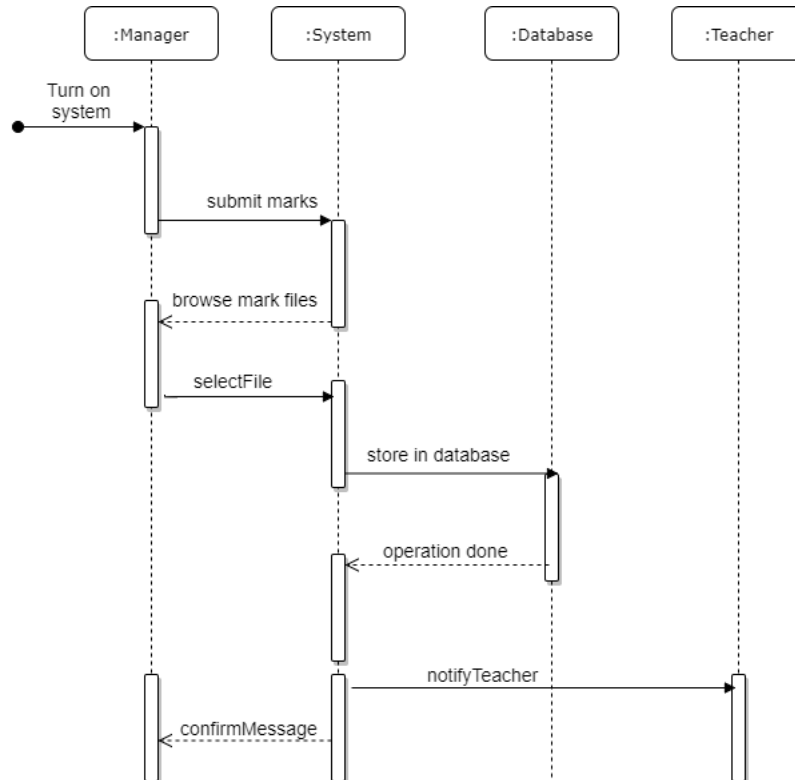
3.2 Interface

1/Login
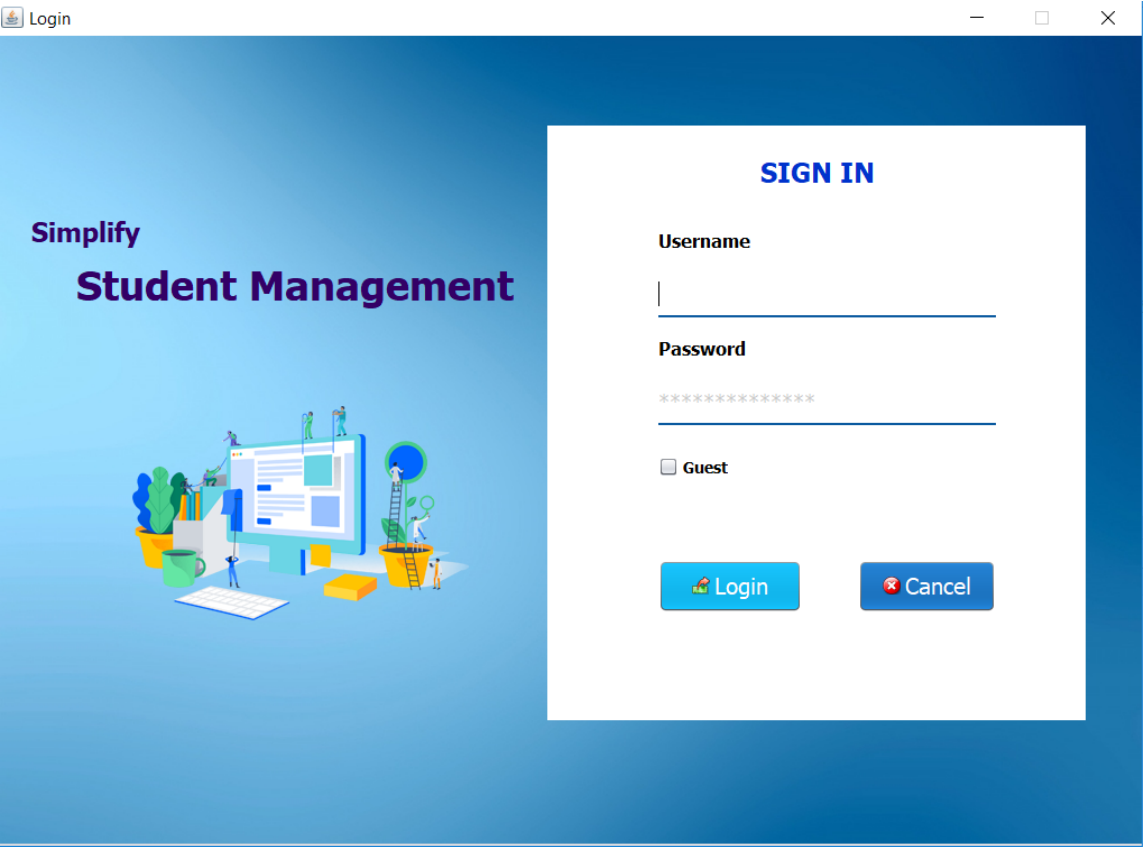
2/Change Password
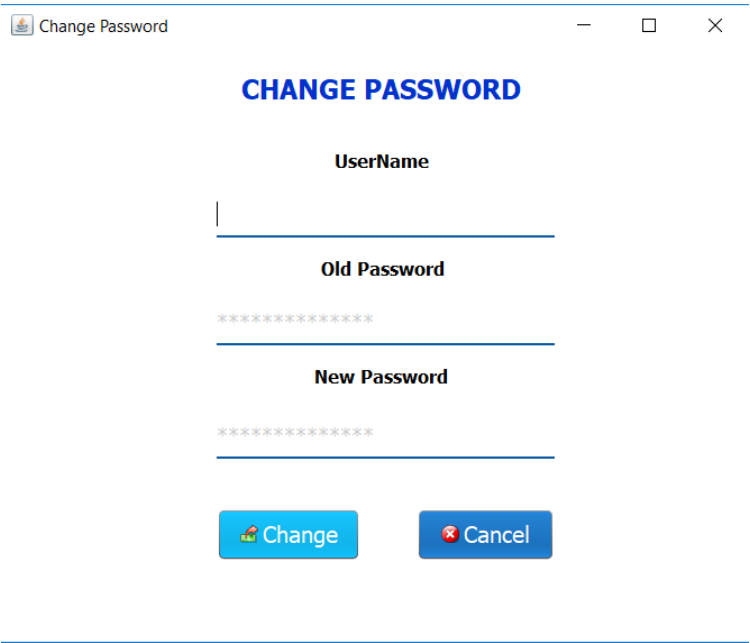
3.2.1　Guest

1/Guest View

2/Registration

3/Course's Information

4/Notification

3.2.2 Admin

1/Admin View

2/Input Marks

3/Edit Marks

4/New Course

5/Edit Course

6/View course registered

7/Register course for student

REGISTER COURSE FOR STUDENT

ID	Name	Duration	Fee	Type
KH9	Smartkids Plus 2	12 weeks	7600000	KG
KH5	Superkids B2	13 weeks	5200000	KD
KH7	Superkids B3	13 weeks	5200000	KD
KH1	Pre Smartkids Plus 1	12 weeks	7600000	KG
KH2	Young Leaders 7	13 weeks	6600000	YT
KH3	Superkids C1	13 weeks	5200000	KD
KH4	Young Leaders 8	13 weeks	6600000	YT
KH6	Young Leaders 9	13 weeks	7200000	YT
KH8	Young Leaders 10	13 weeks	7200000	YT
KH10	Young Leaders 3	13 weeks	6000000	YT
KH11	Smartkids Plus 1	12 weeks	7600000	KG
KH12	Young Leaders 4	13 weeks	6000000	YT

ID	Full Name	Birthday	Gender	Email
ST99	Nguyễn Viết Hưng	05/05/1999	Male	hung@gmai.com
ST1	Nguyễn Phúc Hậu	11/10/1998	Male	hau@gmail.com
ST2	Nguyễn Thị Nữ	22/01/1998	Female	nu@gmail.com
ST3	Nguyễn Văn Nam	10/10/1998	Female	a@gmail.com
ST4	Cái Thế Đức Anh	27/08/1998	Male	anh@gmail.com
ST16	Lê Như Hiền	27/08/1995	Female	hien@gmail.com
ST18	Võ Thị Phước Ngọc	10/08/1996	Female	ngoc@gmail.com
ST19	Phan Văn Bảo Khang	12/09/1995	Male	khang@gmail.com
ST20	Lê Thị Thu Hiền	16/03/1994	Female	hien1@gmail.com
ST10	Nguyễn Thị Hà Khuê	02/10/2008	Female	khue@gmail.com
ST11	Nguyễn Đình Minh Khôi	10/08/2008	Male	khoi@gmail.com
ST13	Trần Đức Linh	12/09/2010	Female	linh@gmail.com

ID Course

KH2

Name

Young Leaders 7

Type

13 weeks

ID Student

ST11

Full Name

Nguyễn Đình Minh Khôi

Birthday

10/08/2008

Assign   Reset

8/Make room for course

CREATE ROOM FOR COURSE

ID	Name	Duration	Fee	Type
KH9	Smartkids Plus 2	12 weeks	7600000	KG
KH5	Superkids B2	13 weeks	5200000	KD
KH7	Superkids B3	13 weeks	5200000	KD
KH1	Pre Smartkids Plus 1	12 weeks	7600000	KG
KH2	Young Leaders 7	13 weeks	6600000	YT
KH3	Superkids C1	13 weeks	5200000	KD
KH4	Young Leaders 8	13 weeks	6600000	YT
KH6	Young Leaders 9	13 weeks	7200000	YT
KH8	Young Leaders 10	13 weeks	7200000	YT
KH10	Young Leaders 3	13 weeks	6000000	YT
KH11	Smartkids Plus 1	12 weeks	7600000	KG
KH12	Young Leaders 4	13 weeks	6000000	YT

ID	Full Name	Birthday	Gender	Email
TC1	Nguyễn Thị Như	25/07/1996	Female	nhu@gmail.com
TC2	Bùi Thị Thắm	15/09/1993	Female	tham@gmail.com
TC3	Nguyễn Hiếu	09/02/1994	Male	hieu@gmail.com
TC5	Lê Minh Vương	15/09/1994	Male	vuong@gmail.com
TC6	Nguyễn Phan Kiều Trinh	19/03/1994	Female	trinh@gmail.com
TC7	Nguyễn Thị Hoài Thư...	30/03/1995	Female	thuong@gmail.com
TC8	Đinh Thị Thanh Thanh	27/08/1993	Female	thanh@gmail.com
TC9	Đỗ Anh Tiến	07/03/1996	Male	tien@gmail.com
TC10	Nguyễn Thị Khánh Vân	19/04/1992	Female	van@gmail.com
TC24	Nguyễn Như An	03/04/1994	Female	an@gmail.com
TC4	Hồ Quang Trí	27/08/1989	Male	tri@gmail.com

ID Course

KH11

Name

Smartkids Plus 1

Type

12 weeks

ID Room

Start

Day ▾   Month ▾   Year ▾

Session

ID Teacher

TC8

Full Name

Đinh Thị Thanh Thanh

Birthday

27/08/1993

Create   Reset

9/Edit Room

44

EDIT ROOM

ID	Name	Duration	Fee	Type
KH9	Smartkids Plus 2	12 weeks	7600000	KG
KH5	Superkids B2	13 weeks	5200000	KD
KH7	Superkids B3	13 weeks	5200000	KD
KH1	Pre Smartkids Plus 1	12 weeks	7600000	KG
KH2	Young Leaders 7	13 weeks	6600000	YT
KH3	Superkids C1	13 weeks	5200000	KD
KH4	Young Leaders 8	13 weeks	6600000	YT
KH6	Young Leaders 9	13 weeks	7200000	YT
KH8	Young Leaders 10	13 weeks	7200000	YT
KH10	Young Leaders 3	13 weeks	6000000	YT
KH11	Smartkids Plus 1	12 weeks	7600000	KG
KH12	Young Leaders 4	13 weeks	6000000	YT

ID	Full Name	Birthday	Gender	Email
TC1	Nguyễn Thị Như	25/07/1996	Female	nhu@gmail.com
TC2	Bùi Thị Thắm	15/09/1993	Female	tham@gmail.com
TC3	Nguyễn Hiếu	09/02/1994	Male	hieu@gmail.com
TC5	Lê Minh Vương	15/09/1994	Male	vuong@gmail.com
TC6	Nguyễn Phan Kiều Trinh	19/03/1994	Female	trinh@gmail.com
TC7	Nguyễn Thị Hoài Thư...	30/03/1995	Female	thuong@gmail.com
TC8	Đinh Thị Thanh Thanh	27/08/1993	Female	thanh@gmail.com
TC9	Đỗ Anh Tiến	07/03/1996	Male	tien@gmail.com
TC10	Nguyễn Thị Khánh Vân	19/04/1992	Female	van@gmail.com
TC24	Nguyễn Như An	03/04/1994	Female	an@gmail.com
TC4	Hồ Quang Trí	27/08/1989	Male	tri@gmail.com

ID Course
KH17

ID Room
AV3   [Load]

ID Teacher
TC1

Name

Start
11-11-2018

Full Name

Type

Session
4

Birthday

[Create]   [Reset]

10/View Room

ROOM INFORMATION

AV1   [Search]

Course _____   **Teacher** _____

ID	Student	Birthday	Gender	Start	Session

[Close]

11/Add new student

12/Edit Student

13/Add new teacher

14/Edit Teacher

15/Check and edit request

EDIT THE REQUESTS

Load

ID	Name	Parent Name	Email	Birthday	Address	Phone	Course	Information	Datecreated	Status
TB79	Nguyễn Tố Nhi	Nguyễn B	nhi@gmail.com	05/07/2000	Ha Noi	1478222233	Toeic	Test and fee	2018-10-29 11:43:04	CXL

ID Request

Status

Update   Reset

16/Check Fee

INFORMATION ABOUT STUDENT FEE

Find

ID	Name	Duration	Fee	Type
KH15	Young Leaders 5	13 weeks	6600000	YT

Total

6600000   **VND**

48
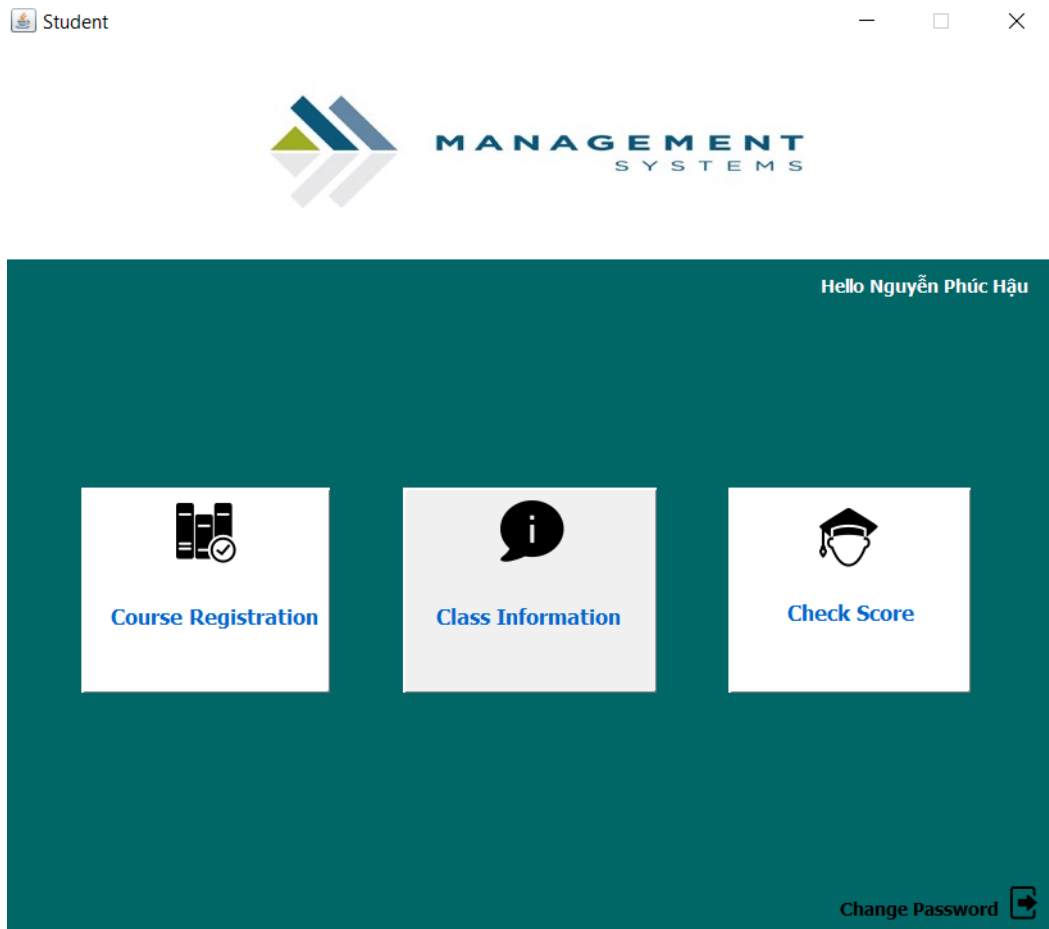
3.2.3 Student

1/Student View

2/Course Registration

3/Class's information

4/Student's score

4   Reference Material

1/ Danny Poo, [2014], Enterprise JavaBeans for Students, Cengage Learning, Singapore.

2/ Eric Jendrock, Ricardo Cervera-Navarro, Ian Evans, Devika Gollapudi, Kim Haase, William Markito, Chinmayee Srivathsa, [2013], The Java EE 7 Tutorial, Release 7 for Java EE Platform, Oracle, United States.

3/ Andrew Lee Rubinger, Bill Burke, [2010], Enterprise JavaBeans 3.1, O'Reilly Media, United States.

4/ Michał Ćmil, Michał Matłoka, Francesco Marchioni, [2014], Java EE 7 Development with WildFly, Packt Publishing, United States.

5/ Rima Patel Sriganesh, Gerald Brose, Micah Silverman, [2006], Mastering Enterprise JavaBeans^{TM} 3.0, Wiley Publishing, Canada.