A blue and white logo

Description automatically generated with low confidence

Lê Thanh Phương Nam

ITITWE19025

**Report lab 4**

**Use case 1: The Course Registration Process.**

1. **Candidate Actors**

Student: Students who are studying at IU and want to register for courses

OAA: the office is responsible for managing the process

Advisor: A advisor in charge of following and supporting the students

Major Office: The office in charge of the study process of students in their major

1. **Goal of Actor**

Goal in Context: Students must register for the courses between the minimum and the maximum number of credits for a semester

|  |  |
| --- | --- |
| **Actor** | **Goal** |
| Major Office | Successfully get the results from the survey and report successfully to OAA |
| Student | Successfully register courses for next semester |
| OAA | Successfully save registered courses to finalize tuition fees |
| Advisor | Successfully check students' registered courses |

1. **Identify Candidate use case**

|  |  |  |
| --- | --- | --- |
| **UC\_ID** | **Actor** | **Description** |
| UC\_1: Make a survey | Major Office | Make a survey for students to do to desire the number of classes, students, lecturers… and post it on the fan page of each school website. |
| UC\_2: Receive the results | Get the results of the survey, then send them to OAA |
| UC\_3: Take the survey | Student | Take the survey and choose the desired course to apply for the next semester |
| UC\_4: Do demo course registration | Students who were approved, do demo course registration to plan the timetable on Edusoft |
| UC\_5: Do the official course registration | Do the official course registration on the Edusoft website and check the automatically updated timetable with successfully registered courses. |
| UC\_6: Add or Drop courses | Students can add or drop courses at the add-drop course week on the Edusoft website and check the new updated timetable |
| UC\_7: Check courses have been approved | Check courses have been approved for the tuition fee |
| UC\_8: Make the course schedule | OAA | Make the course schedule based on the received result of the survey and the schedules of lecturers |
| UC\_9: Upload the course schedule | Upload the course schedule, the number of classes, the number of students, the lecturer, room |
| UC\_10: Notify the time for the demo and the official course registration | Notify the time for the demo and the official course registration on Edusoft |
| UC\_11: Check and Approve students | Check and approve students who satisfy all the conditions to take the registered courses |
| UC\_12: Save and Update the timetable of the registered courses | Save the registered courses on the system and update the timetable |
| UC\_13: Save again registered courses and finalizes tuition fees | Save again registered courses on the system and OAA finalizes tuition fees for students |
| UC\_14: Check students' registered courses | Advisor | Check students' registered courses, if there are no problems, report them to OAA |
| UC\_15: Check again students' registered courses | Check again students' registered courses, if there are no problems, report them to OAA |

1. **Identify the Start point and Endpoint of each use case**

|  |  |  |
| --- | --- | --- |
| **UC\_ID** | **The Start Point** | **The End Point** |
| UC\_1: | Make the survey | Post the survey on the school fan page |
| UC\_2: | Get the results of the survey | Send the survey to OAA |
| UC\_3: | Take the survey | Choose the desired course |
| UC\_4: | Do demo course registration | Plan the timetable |
| UC\_5: | Do the official course registration | Check the automatically updated timetable |
| UC\_6: | Add or Drop courses | Check the new updated timetable |
| UC\_7: | Check courses have been approved | Check courses have been approved |
| UC\_8: | Receive the result of the survey | Make the course schedule |
| UC\_9: | Upload the course schedule | Upload the course schedule |
| UC\_10: | Notify the time for the demo and the official course registration | Notify the time for the demo and the official course registration |
| UC\_11: | Check students who satisfy all the conditions to take the registered courses | Approve students who satisfy all the conditions to take the registered courses |
| UC\_12: | Save the registered courses | Update the timetable |
| UC\_13: | Save again registered courses | Finalizes tuition fees for students |
| UC\_14: | Check students' registered courses | If there are no problems, report them to OAA |
| UC\_15: | Check again students' registered courses | If there are no problems, report again them to OAA |

1. **Refine and Scope interaction**

Case 1:

Before registration day, OAA will hold a meeting with experts and business representatives to determine which courses need to be changed. If there are overlaps, OAA may decide to merge courses while maintaining content to reduce the number of credits and save money and time for students.

- If the course's curriculum and content are outdated, they must be changed.

The OAA will then draft a report that will be submitted to the Science Council. The Science Council will evaluate the proposal and determine whether to approve it or not. OAA will update the curriculum and material based on expert or business advice if approved.

Case 2:

Previously, internships were only available during the summer semester. However, internships have lately been available in semesters 1 and 2 for unique students who have completed all of their courses but are missing just the internship. As a result, the number of students graduating will rise, and IU's VNU score will rise as well.

Case 3: For elective subjects, the department can open a poll and ask the advisor to send it to students to see how many students want to register for each course. Based on the results of the survey, OAA can forecast and open the appropriate number of courses for the course or decide not to start the course at all.

1. **Activity Diagram**

**Diagram, schematic

Description automatically generated** **Diagram, schematic

Description automatically generated** A picture containing toilet, tiled

Description automatically generated

1. **Use Case (User Goal) Diagram**

Diagram

Description automatically generated

**Use case 2: The Tuition Fee Payment Process**

1. **Candidate Actors**

Student: someone who has graduated from high school and passed a national or school examination

OAA: The office in charge of system management and students

OFP: the office in charge of tuition fees from students.

1. **Goal of Actor**

Goal in Context: Make rules for students who are on hold, such as suspensions, exclusions, and expulsions, as well as solutions for these students.

|  |  |
| --- | --- |
| **Actor** | **Goal** |
| Student | The tuition fee payment process is successful |
| OAA | Update successfully each student's outstanding tuition on the system |
| OFP | Report successfully the list of student’s paid tuition fee |

1. **Identify Candidate use case**

|  |  |  |
| --- | --- | --- |
| **UC\_ID** | **Actor** | **Description** |
| UC\_1: Register for the course | Student | Start to register for the course, edit the last course of the week "Add-Drop" enough credits as prescribed on the edusoft website. |
| UC\_2: View tuition fees | Students login the edusoft website in the tuition section to view tuition fees |
| UC\_3: Pay the tuition fee | Students proceed to pay the full tuition fee directly to OFP before the midterm exam or ibanking of OFP International University and Receive a confirmation bill |
| UC\_4: Check tuition dept | Login to the edusoft website to check the student's outstanding tuition amount  If the outstanding amount is 0 VND, the tuition fee payment process is successful |
| UC\_5: Calculate tuition fee and Make statistics | OAA | Get a list including the name of each subject, the total number of credits, from the system, calculate and make statistics of tuition fees from the number of registered student credits and surcharges |
| UC\_6: Update tuition fee | Update each student's tuition statistics on the system |
| UC\_7: Update tuition dept | Receive a list and update each student's outstanding tuition on the system |
| UC\_8: Receive the tuition fee | OFP | Receive the payment fee and return the payment confirmation bill to the student |
| UC\_9: List and Report paid tuition fee | Statistics of the list of students who have paid tuition fees, or the amount owed by each student and notify OAA |

1. **Identify the Start point and Endpoint of each use case**

|  |  |  |
| --- | --- | --- |
| **UC\_ID** | **The Start Point** | **The End Point** |
| UC\_1 | Register for the course | Edit the last course of the week "Add-Drop" with a valid number of credits |
| UC\_2 | Login to the edusoft website | Check tuition fees in the tuition section |
| UC\_3 | Pay the full tuition fee directly to OFP before the midterm exam or ibanking of OFP International University | Receive confirmation bill |
| UC\_4 | Login to the edusoft website | Check the tuition dept in the tuition section. If the outstanding amount is 0 VND, the tuition fee payment process is successful |
| UC\_5 | Get a list including the name of each subject, and the total number of credits, from the system. | Calculate and Make statistics of tuition fees from the number of registered student credits and surcharges |
| UC\_6 | Update each student's tuition statistics on the system | Update each student's tuition statistics on the system |
| UC\_7 | Get a list of each student's outstanding tuition on the system | Update each student's outstanding tuition on the system |
| UC\_8 | Receive the payment fee | Return the payment confirmation bill to the Student |
| UC\_9 | Statistics of the list of students who have paid tuition fees, or the amount owed by each student | Report to OAA |

1. **Refine and Scope interaction**

Case 1:

International University awards 50,000,000 VND per school year for its programs.

Programs of joint training with international universities:

63–67,000,000 VND/school year in Phase 1 (first two years).

Stage 2 (final two years): according to each partner university's tuition policy

\*Please note that the stated tuition does not cover intensive English tutoring for students who do not meet the admission English requirement.

Case 2:

Students that achieve high grades will be considered: Scholarships awarded: 10% of the total objective for each major (The percentage of full and partial scholarships will be decided by the Admission Council).

A full scholarship is available

For programs awarded by International University, tuition fees are waived for the complete 4-year course: 168 million VND.

Tuition waiver of 100% for two years of education in Vietnam for affiliate programs: 112 million VND

A half of scholarship:

There is a 50% tuition fee waiver for the entire 4-year course for programs awarded by International University: 84 million VND.

A 50% tuition cost reimbursement for two years of study in Vietnam is available for affiliate programs: 56 million VND.

\* The following are the requirements for keeping the scholarship: GPA for the semester is seventy, and course grades are 50.

The score for entrance scholarship consideration (total of three subjects registered for admission, regardless of priority points for topics and areas) varies by industry, ranging from 23.5-24.5 (partial), 24.5-25.5 (full), and 24.5-25.5 (partial) (Full)

Scholarships for students who place first or second in national or worldwide HSG exams, depending on the award.

Case 3:

1. For students who are behind on their tuition payments

Students who owe tuition fees of 1,000,000 VND (one million VND) or more will be unable to access the test schedule.

2. Students who do not pay their tuition fees on time may be penalized.

Students who pay their tuition fees after the deadline must provide a receipt or confirmation of payment from the Edusoftweb system while entering the examination room.

1. **Activity Diagram**

**Diagram

Description automatically generated** **Diagram

Description automatically generated**

1. **Use Case (User Goal) Diagram**

Diagram

Description automatically generated

**Use case 3: The Grading Process for students**

1. **Candidate Actors**

Student: Students who are studying at IU

Lecturer: who directly grades students

OAA: the office is responsible for managing the process

1. **Goal of Actor**

Goal in Context: Students are graded based on many factors such as attendance score, in-class score, midterm exam score, final exam score, etc.

|  |  |
| --- | --- |
| **Actor** | **Goal** |
| Student | Successfully check the results |
| OAA | Successfully update the final assessment results |
| Lecturer | Successfully update all scores & distribution percent |

1. **Identify Candidate use case**

|  |  |  |
| --- | --- | --- |
| **UC\_ID** | **Actor** | **Description** |
| UC\_1: Complete all examinations | Student | Students complete quizzes, homework, midterm, and final examinations. |
| UC\_2: Check their results | Students check their results. If the mistake is to be remarked, they must notify the lecturer in charge, otherwise, move on to UC\_15. |
| UC\_3: Cut the student's marked information | OAA | For official college testing, OAA will cut the student's marked information from the student's paper exam |
| UC\_4: Distributing randomly cut assignments | Distributing randomly cut assignments to lecturers |
| UC\_5: Insert the marked cut off information | OAA will insert the marked cut off information into the graded student's paper exam |
| UC\_6: Statistics and sends each student's score to the lecturer in charge | OAA statistics and sends each student's score back to the lecturer in charge of that student.  OAA save them in the temporarily save platform |
| UC\_7: Get the student's paper exam that requires remarking and send it back to the lecturer | OAA receives the list and goes to the archive to get the correct student's paper exam that requires remarking. Then send it back to the lecturer who notified the re-mark. |
| UC\_8: Receives new results | OAA receives new results from the lecturer in charge and saves them in a temporary save platform. |
| UC\_9: Scores the final assessment result | OAA receives statistics, scores the final assessment results according to the distribution points set by the lecturer |
| UC\_10: Updates the final assessment results | OAA updates the final assessment results of each student on the edusoft website and the system |
| UC\_11: Mark on the paper exam | Lecturer | Mark on the paper exam, make statistics and send the results to OAA |
| UC\_12: Shows the results to the students | The lecturer receives a list of results from OAA and shows the results to the students he/she oversees |
| UC\_13: Lists the student's re-marking requests | The lecturer receives, lists the student's re-marking requests, and reports it to OAA |
| UC\_14: Remarks on the paper exam | The lecturer remarks on the paper exam and updates the new results for OAA |
| UC\_15: Self-grade and update all other scores & distribution scores | For in-class Quizzes, the lecturer will manually self-grade and update all other scores and distribution percent of each student on the edusoft website ahead of time |

1. **Identify the Start point and Endpoint of each use case**

|  |  |  |
| --- | --- | --- |
| **UC\_ID** | **The Start Point** | **The End Point** |
| UC\_1: | Students complete all examinations | Students complete all examinations |
| UC\_2: | Students check their results | If the mistake is to be remarked, they must notify the lecturer in charge |
| UC\_3: | Organize the official exam | Cut the student's marked information from the student's paper exam |
| UC\_4: | Distributing randomly cut assignments to lecturers | Distributing randomly cut assignments to lecturers |
| UC\_5: | Receive the graded student's paper exam | Insert the marked cut off information into the graded student's paper exam |
| UC\_6: | Statistics and sends each student's score back to the lecturer in charge of that student | Save each student's score in the temporarily save platform |
| UC\_7: | Receives the list and goes to the archive to get the correct student’s paper exam that requires remarking | Send the student's paper exam back to the lecturer who notified the re-mark. |
| UC\_8: | Receives new results from the lecturer in charge | Save each new student's score in the temporarily save platform |
| UC\_9: | Receives statistics | Scores the final assessment |
| UC\_10: | Updates the final assessment results on the edusoft website | Updates the final assessment results on the system |
| UC\_11: | Mark the test, Make statistics | Send the results to OAA |
| UC\_12: | Receives a list of results from OAA | Shows the results to the students he/she oversees |
| UC\_13: | Receives, Lists the student's re-marking requests | Reports the list of student's re-marking requests to OAA |
| UC\_14: | Remarks on the paper exam | Updates the new results for OAA |
| UC\_15: | Self-grade all other scores and distribution scores of each student | Update all other scores and distribution percent of each student |

1. **Refine and Scope interaction**

Case 1: If students do not show up for midterm or final exams, they will receive a zero. Students can take the exams later if they have extraordinary circumstances, such as being unwell or having an accident.

Case 2: The total % of the component points in a module is 100%:

- Score of practice, exercises, essays: 20% - 40%.

- Midterm test score: 20% - 40%.

- Final exam score: 30% - 50%.

Particularly for practical courses, the percentage of component points is regulated as follows:

- Score of practical exercises in the semester: 70% - 80%

- Final exam score: 20% - 30%

In the case of online learning and teaching, the percentage of component points is specified as

after:

- Score of practice, exercises, essays: 30% - 60%.

- Midterm test score: 20% - 40%.

- Final exam score: 20% - 40%.

From 90 to 100 will be graded: Excellent, Letter score: A+, GPA: 4.0

From 80 - 90 will be graded: Excellent, Grade: A, GPA: 3.5

From 70-80 will be graded: Good, Letter score: B+, GPA: 3.0

From 60-70 will be graded: Average Good, Letter Grade: B, GPA: 2.5

From 50-60 will be graded: Average, Grade Point: C, GPA: 2.0

If a student's point is less than 50 points, the student will be asked to repeat the course by OAA

Case 3: students who wish to remark tests should contact the course instructor, the Major Office, or the OAA. Before being officially updated on Edusoft, the change in the score will be updated on Blackboard.

1. **Activity Diagram**

**Diagram

Description automatically generated**

**Diagram

Description automatically generated**

**Diagram

Description automatically generated**

1. **Use Case (User Goal) Diagram**

**Diagram

Description automatically generated**