  L1 sp23

Q1:

Software Requirements Specification

for

FPT University Academic Portal - FAP

Version 1.0 approved

Prepared by

Nguyen Hoang Dat – SE170330

FU Ho Chi Minh

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Q2:

<Answer Q2 by drawing 1 use case diagram that reflect this exam paper and copy and then paste the image of that use case diagram here >A diagram of a diagram

Description automatically generated

Q3: <Answer of Q3 by fill the content to below table that reflect this exam paper>

|  |  |  |  |
| --- | --- | --- | --- |
| UC ID and Name: | UC – 1: Register the courses | | |
| Created By: | Nguyen Hoang Dat (K17 HCM). | Date Created: | 24/03/2024 |
| Primary Actor: | Student | Secondary Actors: | Courses Management System |
| Trigger: | Student wants to register the courses to learn in the upcoming semester. | | |
| Description: | As a student, I want to register the courses to learn. | | |
| Preconditions: | 1. The student has already logged into the system. 2. The system on active. | | |
| Postconditions: | 1. The student registers for the courses successfully. 2. The student receives the timetable of the courses. 3. The system updated the list of courses that student studied. | | |
| Normal Flow: | 1. Student login FAP by using your @fpt.edu.vn email. 2. The student logged into FAP. 3. Student selects register courses button. 4. The system shows the list of courses that the student has not learned. 5. The student selects courses that want to register for. 6. The system shows details of the courses and timetables. 7. The student selects a timetable. 8. The system notifies the student selecting successfully. 9. The student submit register. 10. The courses register successfully. | | |
| Alternative Flows: | 1. Start from step 1 to step 2 in Normal Flow. 2. The student selects register to repeat courses. 3. The system shows the list of courses that the student has learned. 4. Continue from step 5 to step 10 in Normal Flow. | | |
| Exceptions: | 1. If the student has not learned the prerequisite courses of the courses, return to step 5 in Normal Flow. 2. If the courses timetables overlap, return to step 7 in Normal Flow. 3. If the courses classes full, return to step 5 in Normal Flow. | | |
| Priority: | High priority. | | |
| Frequency of Use: | The student uses the register for courses at least 1 time per semester. | | |
| Business Rules: | In 5 minutes, if the student does not complete the registration, the system will cancel and exit. | | |
| Other Information: | The system has high performance in processing multiple register courses forms. | | |
| Assumptions: | Only student and staff account can register the courses. | | |

**Q4:** <The answer of Q4 must have detail and specific in number of 2 non-functional requirements>

* The FAP System can handle at least 1000 user access per time. The system responses in 5 seconds.
* The FAP system can receive at least 1000 request register courses at a time. The system response in 5 seconds.