

COMP3111 Activity 1

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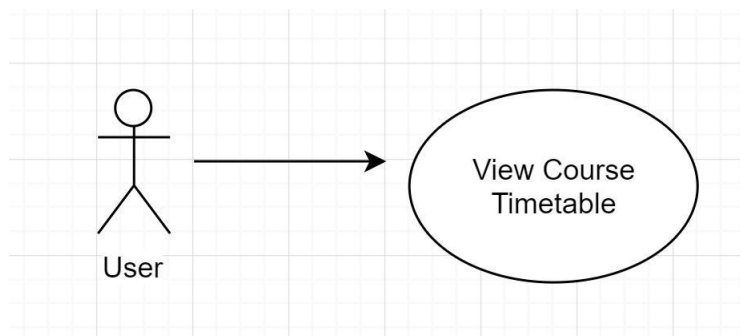
Use-case Detailed Specifications for “View course timetable” (Task 4) and “Search the subjects / All subject search”(Task 5)

View Course Timetable (Task 4):

Brief Description:

This use case describes how a user(student) can view his/her timetable via the system.

Use-case diagram:



Basic Flow:

1. The use case begins when the user chooses the “Timetable” tag.

{System loads timetable information}

{System display the result}

2. The system displays the timetable

3. The use case ends

Alternative Flows

A1: Empty timetable

At **{System loads timetable information}**, if the timetable is empty or not found.

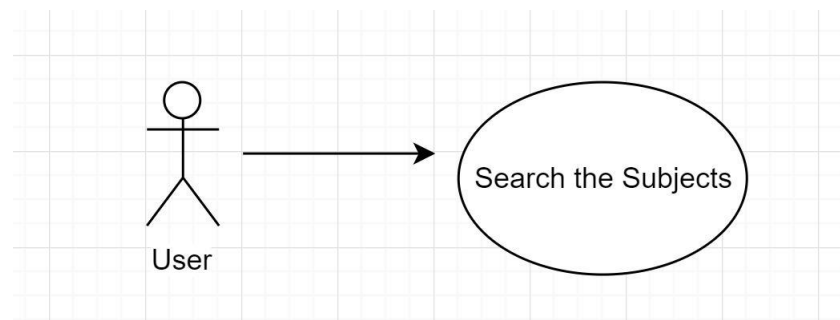
1. The system cannot load the timetable information
2. The system display a empty timetable
3. The use case ends

Search the Subjects / All subject search (Task 5):

Brief Description:

This use case describes how a user(student) can change the enrollment status of the course sections.

Use-case diagram:



Basic Flow:

1. The use case begins when the user chooses the “Main” / ”All subject section” tag.
2. The user go to the “Main” tag, input the base URL, term and subject.
3. The user clicks the “Search” or “All subject search”.
{System loads all subjects from the base URL and term}
 - 3.1. If the user clicks “Search”.
{System display the result}
 - 3.1.1. The system displays the course information according to the specified format, and display “Total Number of difference sections in this search: NUMBER_OF_SECTIONS”, “Total Number of Course in this search: NUMBER_OF_COURSES” and “Instructors who has teaching assignment this term but does not need to teach at Tu 3:10pm: INSTRUCTOR_NAME1, INSTRUCTOR_NAME2, INSTRUCTOR_NAME3,...” (where the list INSTRUCTOR_NAME are the subset of the union of the instructors' name obtained in the current search) in console.
 - 3.2. If the user clicks “All subject search”.
{System display the result}
 - 3.2.1. The system display “Total Number of Categories/Code Prefix: ALL_SUBJECT_COUNT”.
 - 3.2.2. If the user clicks “All subject search” again.
{System display the result}
 - 3.2.2.1. The system display “Subject is done” in the console and update the progress bar when finish one subject.
 - 3.2.2.2. The system displays the “Total Number of Courses fetched: TOTAL_NUMBER_OF_COURSES”.
4. Update result in “Filter” and ”List”, and update Backend.
{System update all subject data in the backend}
5. The use case ends.

Alternative Flows

A1: Invalid inputs from user

At **{System loads all subjects from the base URL and term}**, if the user enters invalid base URL or term or subject.

1. The system cannot load the data from the base URL.
2. The use case ends.

A2: Base URL not found

At **{System loads all subjects from the base URL and term}**, if the system cannot access to the base URL

1. The system cannot load subject data
2. The use case ends.