

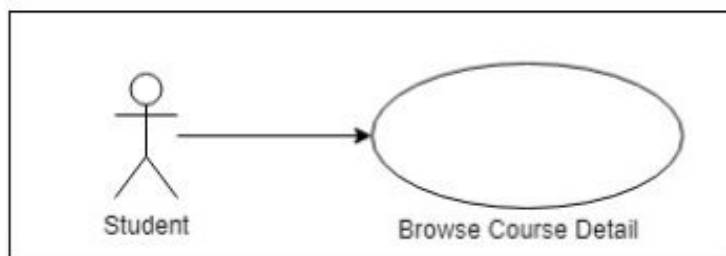
NAME: GOYAL MANAN
SID: 20541012
EMAIL: mgoyal@connect.ust.hk

Task 1

Use Case: Browse Course Details

Brief Description: This use case describes the backend of the system.

Use Case Diagram



Basic Flow:

1. The use case begins when the user chooses the backend tab
2. The user is introduced with the class section that models the concept of sections
3. The user enters the base url, terms, and subject

{Search}

4. When the SEARCH BUTTON is clicked on the main tab
 - 4.1. Total Number of different sections is displayed.
 - 4.2. Total Number of Courses in this search is displayed.
 - 4.3. Instructor names who have teaching assignments this term is displayed in ascending alphabetical order using their last name.

Alternative Flow:

A1: Invalid Web URL

At {Search} if the web URL is invalid.

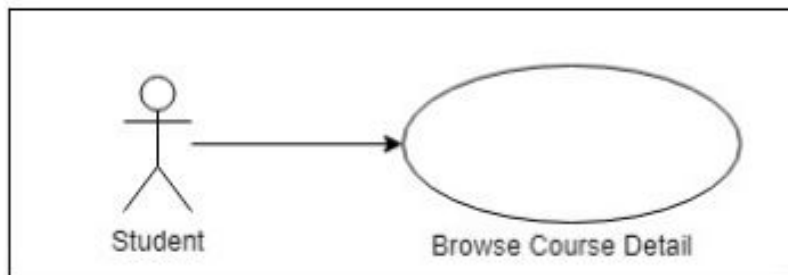
- 1) The user receives an error message
- 2) The use case ends

Task 2

Use Case: Applying Filters

Brief Description: This use case describes how the system applies filters given by the user

Use Case Diagram



Basic Flow:

1. The use case begins when the user chooses the filter tab.
2. The filter interface is displayed with none of the buttons checked.

{Select Filters}

3. While the user is choosing a filter

3.1 If SELECT ALL is clicked.

3.1.1 All boxes on this tab are checked.

3.1.2 The text of that button will be changed to De-select All.

3.1.2.1 If DE-SELECT ALL is clicked.

3.1.2.1.1 The text of that button will be change back to Select All.

3.1.2.1.2 All boxes on this tab are unchecked.

3.2 When the status of any box on this tab is changed

{CLEAR CONSOLE AND DISPLAY THE FILTERED INFORMATION}

3.2.1 If the boxes AM (or PM) is checked

3.2.1.1 Display all sections of the courses which have a slot in AM (or in PM).

3.2.1.2 If both AM and PM are checked

3.2.1.2.1 Display only all sections of the courses that have a slot that starts at AM and ends at PM, or a section that has a slot in AM and another slot in PM

3.2.2 If any boxes of days of the week (Monday, Tuesday, ...) is clicked,

3.2.2.1 Display only all sections of the courses that have slots on the selected boxes.

3.2.3 If Common Core is clicked

3.2.3.1 Display only all sections of the courses that are Year 4 Common core

3.2.4 If No Exclusion is clicked

3.2.4.1 display only all sections of the courses that do not define exclusion

3.2.5 If With Labs or Tutorial is clicked

3.2.5.1 Display only all sections of the courses that have labs or tutorials