Use Case ID:	1		
Use Case Name:	View Course Catalogue		
Created by:	Yun Ting	Last Updated By:	Yun Ting
Date Created:	30th Jan	Date Last Updated:	1st Feb
Actor:	User (Initiating actor), System, Database		
Description:	The User is able to view a page displaying all courses. Page also has filter and sort options		
Preconditions:	- The user is on any page on the website.		
Postconditions:	- The user can click on the View Details button to find out more about a course. - The user can Select interested courses (see Select interested courses Use Case). - The user can Compare selected courses (see Compare interested courses Use Case).		
Priority:	High		
Frequency of Use:	High		
Flow of Events:	1. User clicks on the Course Catalogue found on the navigation bar.		
Alternative Flows:	NIL		
Exceptions:	EX1: System is down. EX2: No internet connection.		
Includes:	Use Case 10.0 (Select interested courses) Use Case 2.0 (Compare interested courses)		
Special Requirements:	NIL		
Assumptions:	1. User has a stable internet connection. 2. Application is responsive. 3. System is able to display all courses within the database.		
Notes and Issues:	NIL		

Use Case ID:	2

Use Case Name:	Compare courses		
Created by:	Yun Ting	Last Updated By:	Yun Ting
Date Created:	30th Jan	Date Last Updated:	1st Feb
Actor:	User (Initiating actor), System, Database		
Description:	The User is able to view a page displaying a summarised comparison table between his selected courses.		
Preconditions:	- User has successfully selected a minimum of 2 courses. - User is at the Course Catalogue that lists down all possible courses of interest.		
Postconditions:	- User is able to see the side by side comparison of the courses that he has selected.		
Priority:	High		
Frequency of Use:	Medium		
Flow of Events:	1. User selects a minimum of 2 and a maximum of 3 courses of interest from the list of courses. 2. User clicks on the "Compare courses" button at the bottom of the page. 3. For each selected course, the System uses the corresponding course ID to execute the View course summary use case.		

Alternative Flows:	AF-S1: If the User selects less than 2, or more than 3 courses of interest from the list of courses.
	   1. The System prevents the User from selecting the "Compare courses" button until the User has selected at least 2, and at most 3 courses of interest.
	
	AF-S2: If the User selects any options other than the "Compare courses" button at the bottom of the page.
	   1. System exits the use case.		

Exceptions:	EX1: System is down. EX2: No internet connection EX3: If the user selects less than 2 courses and clicks on the "Compare courses" button, the system will display the error message "Minimum of 2 courses need to be selected". EX4: If the user selects more than 3 courses and clicks on the "Compare courses" button, the system will display the error message "Maximum of 3 courses can be selected".		
Includes:	Use Case 1.0 (View course summary)		

Special Requirements:	NIL
Assumptions:	1. Every valid course ID will have a record of the course summary information in the Database. 2. User has a stable internet connection.
Notes and Issues:	NIL

Use Case ID:	3		
Use Case Name:	Select interest cards		
Created by:	Yun Ting	Last Updated By:	Yun Ting
Date Created:	30th Jan	Date Last Updated:	1st Feb
Actor:	User (Initiating actor), System, Database		
Description:	The User selects a number of categories of interest.		
Preconditions:	- User is on the page that displays all course categories.		
Postconditions:	- User has selected at least 1 interest card.		
Priority:	Medium		
Frequency of Use:	Medium		
Flow of Events:	1. User clicks on the "Select Interests" button at the navigation bar or the "Let's Get Started" button located on the welcome page 2. System directs User to the Select Interest page 3. User selects a number of courses categories that are of interest, ranging from a minimum of 1 category to a maximum of the total number of course categories displayed on the page. 4. For each selected course category, the System filters out all courses under the selected course categories from the Database. 5. System displays and lists all filtered courses on a new page.		

Alternative Flows:	AF-S1: User clicks on "Let's Get Started" button located on welcome page
	    1. System returns to step 2
	AF-S3: if the User does not select any of interest
	    1. The System prevents the User from selecting the "Show courses" button until the User has selected at least 1 course category of interest.		

	2. System returns to step 2
Exceptions:	EX1: if the User selects any options other than the "Show courses" button at the bottom of the page, or course categories of interests 1. System exits the use case. EX2: If the User does not select any options and clicks on the "Show courses" button, the system will display an error message "Minimum of 1 course category needs to be selected".
Includes:	Use Case 1.0 (View course catalogue)
Special Requirements:	NIL
Assumptions:	1. The Database contains at least 1 course under each category. 2. User has a stable internet connection.
Notes and Issues:	NIL

Use Case ID:	4		
Use Case Name:	Go to welcome page		
Created by:	Yun Ting	Last Updated By:	Yun Ting
Date Created:	30th Jan	Date Last Updated:	1st Feb
Actor:	User (Initiating actor)		
Description:	The User is able to view a page displaying a welcome message, introduction about the website and details about the team. The "Let's Get Started" button also directs the User to the "Select Interest" page.		
Preconditions:	- The user is on any page on the website.		
Postconditions:	- The user is on the homepage.		
Priority:	High		
Frequency of Use:	High		
Flow of Events:	1. The user clicks on the Home button on the navigation bar.		
Alternative Flows:	NIL		
Exceptions:	EX1: System is down. EX2: No internet connection.		
Includes:	Use Case 10.0 (Select interested courses) Use Case 2.0 (Compare interested courses)		

Special Requirements:	NIL
Assumptions:	1. The user has a stable internet connection. 2. Application is responsive.
Notes and Issues:	NIL

Use Case ID:	5		
Use Case Name:	View course details		
Created by:	Yun Ting	Last Updated By:	Yun Ting
Date Created:	30th Jan	Date Last Updated:	1st Feb
Actor:	User (Initiating actor), Database, API, System		
Description:	The System displays all details of a course		
Preconditions:	- User is on the page that lists down all possible courses of interest.		
Postconditions:	- User is on the page that displays all details of a selected course of interest.		
Priority:	High		
Frequency of Use:	Medium		
Flow of Events:	1. User selects the "View details" button corresponding to a listed course on the page displaying all possible courses of interest (Course Catalogue). 2. System calls an API to retrieve relevant information and stores it into the database. 3. System uses the corresponding course ID to search the Database for the course details and information. 4. System displays all course details on a new page.		
Alternative Flows:	NIL		
Exceptions:	EX1: if the User selects any options other than the "View details" button at the bottom of the corresponding course. 1. System exits the use case.		
Includes:	Use Case 1.0 (View Course Catalogue)		
Special	NIL		

Requirements:	
Assumptions:	1. Every course listed on the page will have a record of the course details and information in the Database. 2. User has a stable internet connection.
Notes and Issues:	NIL

Use Case ID:	6		
Use Case Name:	Show course summary		
Created by:	Yun Ting	Last Updated By:	Yun Ting
Date Created:	30th Jan	Date Last Updated:	1st Feb
Actor:	API, System		
Description:	The System displays the summarised information of a course from an API in the form of a table.		
Preconditions:	- User has selected to execute a comparison between 2 or 3 of his courses of interest. - Use case input is a valid course ID.		
Postconditions:	- User is on the page that displays all summaries of his selected courses of interest to undergo comparison in the form of a table.		
Priority:	High		
Frequency of Use:	Medium		
Flow of Events:	1. With a selected course ID from the User, from the Compare courses use case, the System uses API to query for the corresponding course summary. 2. System displays the summarised course information in a table on the page that displays the course comparisons, along with the summary tables of 1 or 2 other selected courses of interest.		
Alternative Flows:	NIL		
Exceptions:	NIL		
Includes:	Use Case 2.0 (Compare Courses)		
Special Requirements:	NIL		
Assumptions:	1. Use case is initiated by the Compare courses use case.		

	2. The selected course ID will have a record of the course summary information in the Database. 3. User has a stable internet connection.
Notes and Issues:	NIL

Use Case ID:	7		
Use Case Name:	Contact team		
Created by:	Yun Ting	Last Updated By:	Yun Ting
Date Created:	30th Jan	Date Last Updated:	1st Feb
Actor:	User (Initiating actor), System		
Description:	User writes in to contact the development team for feedback/suggestions/issue reporting/etc		
Preconditions:	- User is on the main page.		
Postconditions:	- System submits the User's feedback to the development team.		
Priority:	Low		
Frequency of Use:	Low		
Flow of Events:	1. User selects the "Contact Team" button at the top of the page. 2. System displays a new page containing entry boxes for the User to enter his feedback. 3. User enters his contact details within the "contact details" input box. 4. User writes his comment in the "feedback" input box provided 5. User presses the "Submit" button to submit feedback. 6. System sends user's contact details and feedback to development team,		

Alternative Flows:	AF-S3: if the User enters an invalid contact detail
	   1. System displays "Invalid contact detail" message at the bottom of the "contact details" input box
	   2. System returns to step 3
	
	AF-S5: if the User tries to submit feedback with an empty comment
	   1. System displays "Missing input" message at the bottom of the "feedback" input box
	   2. System returns to step 4		

Exceptions:	EX1: if the User selects any options other than "Submit" button at the bottom of the page 　　1.　System exits the use case
Includes:	NIL
Special Requirements:	NIL
Assumptions:	- System contains a correct and valid record of the development team's contact information/address - System sends the User's contact details and his corresponding feedback together in an identifiable pair
Notes and Issues:	

Use Case ID:	8		
Use Case Name:	Apply filter		
Created by:	Yun Ting	Last Updated By:	Yun Ting
Date Created:	30th Jan	Date Last Updated:	1st Feb
Actor:	User (Initiating actor), System		
Description:	User selects the intended filter to trim out the unrelated courses.		
Preconditions:	- User is on the Course Catalogue page.		
Postconditions:	- User is on a filtered Course Catalogue page		
Priority:	Medium		
Frequency of Use:	High		
Flow of Events:	1. User clicks on the drop-down list of a specific filter. (eg. Location, Price Range) 2. System displays options in the drop-down list. 3. User clicks on the filter in the drop-down list. (eg. Central, East, West, North) 4. System records selected filter. 5. User clicks on the "Filter" button. 6. System queries database to find data and display results on Course Catalogue.		
Alternative Flows:	NIL		

Exceptions:	NIL
Includes:	Use Case 1.0 (View Course Catalogue)
Special Requirements:	NIL
Assumptions:	- All courses are able to be filtered by the criteria (no missing data from all courses)
Notes and Issues:	NIL

Use Case ID:	9		
Use Case Name:	Sort Courses		
Created by:	Yun Ting	Last Updated By:	Yun Ting
Date Created:	30th Jan	Date Last Updated:	1st Feb
Actor:	User (Initiating actor), System		
Description:	User selects the intended sorting criteria to arrange the courses in the preferred manner.		
Preconditions:	- User is on the Course Catalogue page.		
Postconditions:	- User sees a purposeful rearrangement of courses according to the sorting criteria set.		
Priority:	Medium		
Frequency of Use:	High		
Flow of Events:	1. User clicks on any button along the "Sort by:" row and then selects ascending or descending from the drop-down menu beside the row. 2. System arranges courses according to the sorting criteria and displays a page with arranged courses.		
Alternative Flows:	AF-S1: if the User does not select any of sorting criteria and tries to click on the "Order" button 1. System prevents the User from selecting the "Order" button until the User has selected a sorting criteria. (button will be greyed out and unclickable)		
Exceptions:	NIL		
Includes:	Use Case 1.0 (View Course Catalogue)		

Special Requirements:	NIL
Assumptions:	- All courses are able to be sorted by the criteria (no missing data from all courses)
Notes and Issues:	NIL

Use Case ID:	10		
Use Case Name:	Select interested courses		
Created by:	Yun Ting	Last Updated By:	Yun Ting
Date Created:	30th Jan	Date Last Updated:	1st Feb
Actor:	User (Initiating actor), System		
Description:	The User selects a number of courses of interest.		
Preconditions:	- User is on the page that displays courses with or without a filter.		
Postconditions:	- User has selected at least 2 courses for comparison.		
Priority:	Medium		
Frequency of Use:	Medium		
Flow of Events:	1. User selects a number of courses that are of interest, ranging from a minimum of 2 courses to a maximum of 5 courses, by clicking on the checkbox found on the course card. 2. System dims the card and ticks the checkbox to indicate selection 3. User clicks on the "Compare courses" button. 4. System displays a page comparing the courses side-by-side. (see Use Case 2.0)		
Alternative Flows:	AF-S1: if the User does not select any of courses 1. System prevents the User from selecting the "Compare courses" button until the User has selected at least 1 course of interest. (button will be greyed out and unclickable)		
Exceptions:	EX1: if the User selects any options other than the "Compare courses" button at the bottom of the page, or course of interests 1. System exits the use case.		
Includes:	Use Case 1.0 (View course catalogue) Use Case 2.0 (Compare courses)		

Special Requirements:	NIL
Assumptions:	1. The Database contains at least 1 course under each category. 2. User has a stable internet connection.
Notes and Issues:	NIL