

Practice Problem for Writing Use Cases

Consider the use case diagram for a Course Registration System given in Fig. 1, where an administrator can either offer a class or remove a class, and a student can either add a class or drop a class. Your task is to write the use case *Drop a class* which should describe how a student will drop a class in the Course Registration System. For guidelines, think of how you drop a class from the *Student Center* after logging into the *MyUofC Portal*.

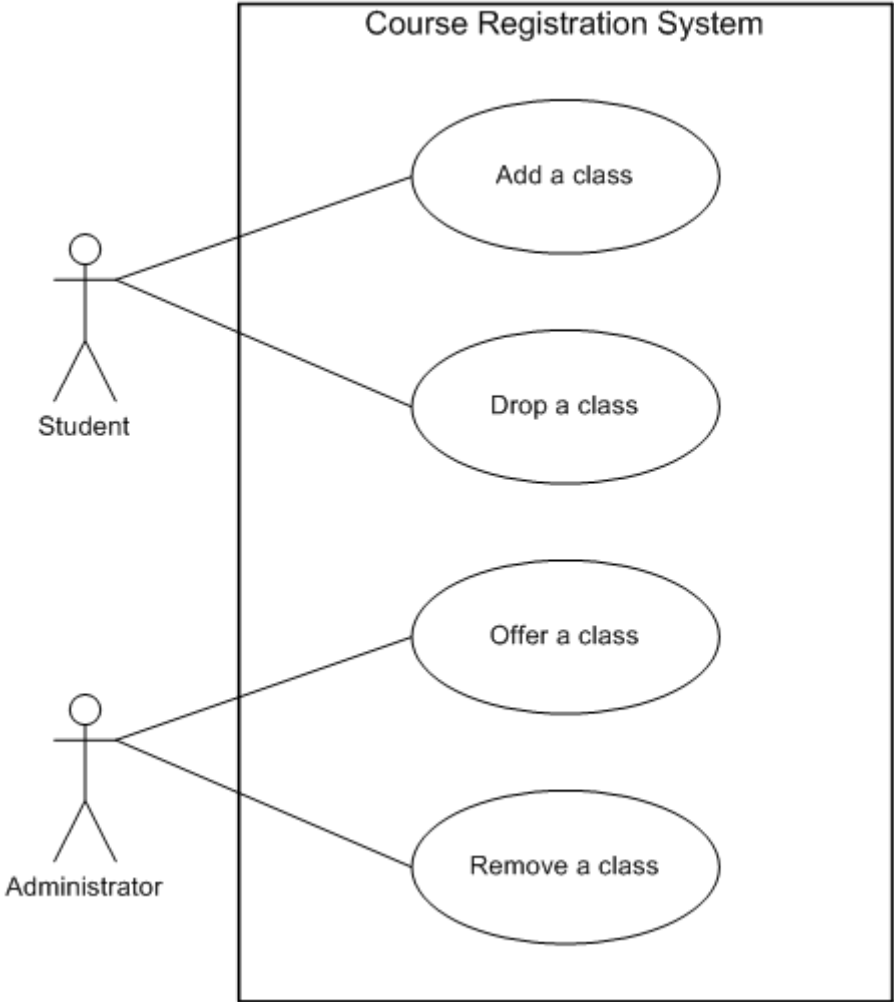


Fig. 1 Use case diagram for Course Registration System

Writing Use Case: Drop a class

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Date: November 25, 2008

Use Case Name	Drop a class	
Actor(s)	Student	
Description	This use case describes how a student will drop a class.	
Typical Course of Events	Actor Action	System Response
	<p>Step 1: This use case is initiated when a student wants to drop a class.</p> <p>Step 3: The student chooses a term from the list of terms provided.</p> <p>Step 5: The student chooses the class to drop from the list of classes provided.</p> <p>Step 7: This use case concludes when the student acknowledges the receipt of the confirmation message.</p>	<p>Step 2: A list of applicable terms is provided to the student from which the student can choose a term to drop a class from.</p> <p>Step 4: A list of classes is provided to the student from which the student can choose a class to drop. This list will contain classes previously added to the term chosen by the student in step 3.</p> <p>Step 6: The class chosen by the student is dropped and a confirmation message is displayed.</p>
Alternate Courses of Events	<p>Step 3: The student can choose to cancel the class dropping process which will conclude this use case.</p> <p>Step 5: The student can choose to cancel the class dropping process which will conclude this use case.</p>	
¹ Pre-condition(s)	The student must be logged into the Course Registration System.	
² Post-condition(s)	The amount of tuition fees due from the student is adjusted based on the class that is dropped.	
³ Assumption(s)	The student is currently registered in at least one class.	

Shown above is a very formal way of writing use cases. Instead, you could just write steps 1 to 7 in a paragraph.

¹Pre-condition refers to any condition that must be fulfilled prior to invoking the use case.

²Post-condition refers to any condition that must be fulfilled after invoking the use case.

³Assumption refers to any assumption that is made while writing the use case.