# *Lab 6 – Use Case Narratives*

Date assigned: Friday, October 7, 2016

Date due: **Friday, October 7, 2016, 12:00 p.m.**

**Learning Objectives**

Upon successful completion of this lab exercise, the student will be able to:

* Be able to develop use case narratives

Save this document as a Word document named **YourUserName\_E11\_L06\_Use\_Case\_Narratives.docx** in your 420-E11 folderin your home drive. The document will hold your answers for your lab.

To do:

1. Given the following description of a college registration system from last week’s lab and the use case descriptions and use case diagram provided below, do the following:
   1. Produce a use case narrative for the Manage Schedule use case. **(20 marks)**
   2. Produce a use case narrative for the Manage Courses use case. **(20 marks)**

Please use the use case template located on the Moodle page for this course, for all of your use case narratives.

NOTE: Do NOT make assumptions. If you make an assumption, state it at the start of the use case narrative.

You are developing an online college registration system. The system must enable staff of each academic department to examine the courses offered by their department, add and remove courses, and change the information about them (such as the maximum number of students). It must permit students to examine currently available courses, add and drop courses to and from their schedules, and examine the courses for which they are enrolled. Department staff must be able to print a variety of reports about the courses and the students enrolled in them. The system must ensure that no student takes too many courses and that students who have any unpaid fees are not permitted to register (assume that the fees information is stored in a separate system maintained by the university’s financial office, which the registration system accesses but does not change).

| Actor | Description |
| --- | --- |
| Student | An actor who can view course, add and drop courses and view the courses in which he or she is registered. |
| Department staff | An actor who can add, update and remove courses and course information and view reports about courses and the students enrolled in them. |
| Financial system | A separate system that provides information about whether or not a student has unpaid and outstanding fees. |
|  |  |

| Use Case | Actor | Description |
| --- | --- | --- |
| Manage Courses | Department staff | The Manage Courses use case allows a Department staff to add new courses, modify existing courses and remove courses offered by the department. |
| View Available Courses | Student | The View Available Courses use case allows a student to view the courses that are available to be taken. |
| Manage Schedule | Student | The Manage Schedule use case allows a student to add new courses to and drop courses from his or her schedule. |
| Print Reports | Department Staff | The Print Reports use case allows a Department staff to print various reports. |
| View Schedule | Student | The View Schedule use case allows a student to consult his or her schedule. |



1. Given the following description of a video store from last week’s lab and the use case descriptions and use case diagram provided below, do the following:
   1. Produce a use case narrative for the Catalog Video use case (the description provides some alternate flows you will require). **(10 marks)**
   2. Produce a use case narrative for the Obtain Account use case. **(10 marks)**
   3. ~~Produce a use case narrative for the Rent Video use case.~~ **~~(20 marks)~~**

Please use the use case template located on the Moodle page for this course, for all of your use case narratives.

NOTE: Do NOT make assumptions. If you make an assumption, state it at the start of the use case narrative.

A Video Store (AVS) runs a series of fairly standard video stores. Before a video can be put on the shelf, it must be catalogued and entered into the video database. Every customer must have a valid AVS customer card in order to rent a video. Customers rent videos for three days at a time. Every time a customer rents a video, the system must ensure that he or she does not have any overdue videos. If so, the overdue videos must be returned to the store and the overdue fee paid before the customer can rent more videos. Likewise, if the customer has returned overdue videos but has not paid the overdue fee, the fee must be paid before new videos can be rented. Every morning the store manager prints a report that lists overdue videos. If a video is two or more days overdue, the manager calls the customer to remind him or her to return the video. If a video is returned in damaged condition, the manager removes it from the video database and may sometimes charge the customer. When a customer rents a video he or she may pay by cash, Interac or Credit Card. When paying by credit card, the system must check with the credit bureau to make sure that the customer has credit. When paying by Interac the system must connect to the Interac system.

| Actor | Description |
| --- | --- |
| Customer | An actor who can obtain an account, rent a video, check for overdue videos and pay a fine. |
| Video Store employee | An actor who can catalogue videos, enter videos into the database and put videos on shelves. |
| Store Manager | An actor who can print the overdue video list, call overdue video clients and deal with damaged videos. |
|  |  |

| Use Case | Actor | Description |
| --- | --- | --- |
| Catalog Video | Video Store Employee | The Catalog Video use case allows a Video Store employee to catalog the video and enter the video into the database. |
| Obtain Account | Customer | The Obtain Account use case allows a customer create or update an account. |
| Rent Video | Customer | The Rent Video use case allows a customer to rent a video to take out of the store. |
| Print Overdue Video List | Store Manager | The Print Overdue Video List use case allows a store manager to determine the videos that are overdue. |
| Call Overdue Customers | Store Manager | The Call Overdue Customers use case allows a store manager to call customers who have had videos overdue for two or more days. |
| Handle Damaged Videos | Store Manager | The Handle Damaged Videos use case allows a store manager to determine if a video is damaged and remove it from the database. |



**To submit**

When you have completed the exercise upload the file to the Moodle page for this course.