INFO8231 Systems Development: Concepts & Analysis Assignment 2

This assignment is a continuation of A1 and INFO8231 A1 rules will apply.

Before you begin:	
In MS Teams:	
☐ Download the A2_ITCPA_TeamYY_Template.docx from eConestog your team's General\A2 folder on your MS Teams Files tab.	ja and copy to
□ Rename your document to A2_ITCPA_Team#.docx	
 Put your entire A2 solution in this single MS Word document 	•
\hfill out the $\mbox{\bf Assignment 2 header}$ with your section, team # and stude	ent names.
Reminder: Team members must sign their own name.	
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A. Individual Requirement	
A. Individual Requirement Complete the Visual Paradigm tutorial: Lab_UseCaseDiagram.pdf.	

B. Team Assignment 2

You are working with the **IT Capstone Project Approval (ITCPA)** system case study. The major subsystems of the proposed solution are:

- External Client Proposal Subsystem (ECPS)
- Capstone Project Matching Subsystem (CPMS)
- Student Team Management Subsystem (STMS)

Task 1: ITCPA CPMS Event Table using User Goal Technique

□ Review the SADCW Chapter 3 slides including Slide 28 and Slide 29.
☐ Based on the A1 Mock Case Study , identify 3 events and use cases <i>related to Program Coordinator role</i> for CPMS and fill out the Event Table 1 below.
□ For CPMS , assign the following Use Case IDs: UC11 , UC12 and UC13 .

Subsystem Name:	< >

Event Type (external/ temporal/ state)	Trigger	Source	Use Case ID	Use Case (verb + noun)	Response (noun)	Destination
	 		UC11			
			UC12			
			UC13			

Table 1: Event Table using User Goal Technique

Task 2: ITCPA Event Table using Event Decomposition Technique

☐ Determine your subsystem to work with for Event Table below.
• For <i>odd-numbered teams</i> (SA-1,, SA-13,, SA-25,), fill out the event table below using STMS
 For even-numbered teams (SA-2,, SA-14,, SA-26,), fill out the event table below using ECPS
☐ Based on the A1 Mock Case Study , identify events and use cases <i>related to the</i> Specific role for the subsystem assigned to your team (STMS or ECPS) and fill out the Event Table 2 below.
Use the event decomposition technique to find three or more external events.
Use the <i>event decomposition technique</i> to find at least one temporal event (i.e., actor s "Timer").
Use the event decomposition technique to find at least one internal or state event.
 Tip: Use "database" as an internal event trigger. Define the internal event in terms of the state of the data that has changed.
☐ Assign the Use Case IDs from UC21 to UC25 (or higher).
Subsystem Name:< >

Event	Event	Trigger	Source	Use	Use Case	Response	Destination
Туре	(full description)			Case ID	(verb + noun)	(noun)	
(external/							
temporal/ state)							
	•••			UC21	• • •		

Table 2: Event Table using Event Decomposition Technique

Important: Only refer to the ITCPA background information to identify events and use cases. You may identify additional related use cases implied by the background information. However, do not create or assume any new events that are outside the scope of the problem domain.

Task 3. ITCPA Use Case Diagram (UCD)
☐ Using the ITCPA Table 1 and Table 2 above, draw a single UCD for the entire ITCPA System.
UCD Tips:
$\hfill \Box$ The number of use cases in your Use Case Diagram (UCD) must match your ITCPA Event Tables in Task 1 and Task 2 above.
☐ Reminder: UCDs must have actors, use cases with use case IDs. The automation boundary must have an appropriate system name.
$\hfill \Box$ Ensure the Use Case IDs in the UCD match the IDs in the Event Tables.
☐ Iterate Task 1 to Task 3 until they are all complete and consistent.
Reminders:
□ Copy the use case diagram to your solution document A2_ITCPA_Team#.docx .
□ Checkpoint: Use the A2 marking sheet to self-evaluate your team solution.
Submission Requirements:
$\hfill \square$ Submit your docx and vpp solution files to the Assignment Dropbox on eConestoga (i.e., A2_Team).