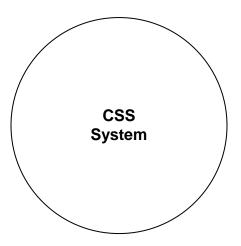
All of the questions on this exam are based on the following project description:

Our project is to develop requirements for a FL Tech campus security system (CSS). Initial System Description:

- The system will support a network of both indoor and outdoor surveillance cameras.
- The system will control access to all campus doors (similar to FL Tech's current key locks, but handled remotely).
- The system will support communications among security personnel.
- The system will have a command center.
- The system will support communications between campus security and local police and fire departments.

1. (10 points)

Complete the following context diagram showing all of the people and systems to which the CSS System will interface.



2. (10 points)

Identify 5 stakeholders in the CSS project and explain their interests in the system.

3. (10 points)

Develop a domain model for the CSS system. Recall that the nodes represent people, things, events, transactions, etc. while the edges represent the important associations.

4. (5 points)

Identify, by name only, 5 Use Cases for the CSS System. Do not elaborate the description of the Use Cases – identify them by name only.

5. (10 points)

Develop a Use Case for "Officer at command center spots incident that needs a response". Incident refers to activities such as an altercation, fire, vandalism, etc. Identify the main success scenario and 1 alternative or extension.

6.	(10	points)	
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Write a functional requirement that will ensure that the CSS will retain a record of every campus incident responded to. Fill in the description, rationale and fit (or test) criterion only. Do not fill in the fields marked with XXXX.

Requirement #: XXXXX	Requirement Typ	e: XXXX	Event/use case #: : XXXX
Description:			
Rationale:			
Source: XXXXXXXXXX			
Fit Criterion:			
Customer Satisfaction: XXX	XXX Cu	estomer Dis	ssatisfaction: XXXXX
Dependencies: XXXXX	Co	onflicts: XX	XXXX
Supporting Materials: XXX	XX		
History: XXXXX			

7. (10 points)

Write a functional requirement that will ensure that each user is authenticated prior to admission through a campus door. Fill in the description, rationale and fit (or test) criterion only. Do not fill in the fields marked with XXXX.

Requirement #: XXXXX	Requirement T	ype: XXXX	Event/use case #: : X	XXXX
Description:				
Rationale:				
Source: XXXXXXXXXXX				
Fit Criterion:				
Customer Satisfaction: XXX	XXX	Customer Dis	satisfaction: XXXXX	
Dependencies: XXXXX		Conflicts: XX	XXX	
Supporting Materials: XXX	XX			
History: XXXXX				

8. (10 points)

Write a usability requirement that will ensure that the CSS will be easy for a new security guard to learn to use. Provide a quantitative fit criterion. Fill in the description, rationale and fit (or test) criterion only. Do not fill in the fields marked with XXXX.

Requirement #: XXXXX	Requirement	Type: XXXX	Event/use case #: XXXX
Description:			
Rationale:			
Source: XXXXXXXXXX			
Source: AAAAAAAAAA			
Fit Criterion:			
Customer Satisfaction: XXX	XXX	Customer Dis	satisfaction: XXXXX
Dependencies: XXXXX		Conflicts: XX	XXX
Supporting Materials: XXX	XX		
History: XXXXX			

9. (10 points)

Write an availability requirement that ensures that the CSS will have acceptable availability (i.e., minimum down time). Provide a quantitative fit criterion. Fill in the description, rationale and fit (or test) criterion only. Do not fill in the fields marked with XXXX.

Requirement #: XXXXX	Requirement	Type: XXXX	Event/use case #: XXXX
Description:			
Rationale:			
Source: XXXXXXXXXX			
Fit Criterion:			
Customer Satisfaction: XXX	XXX	Customer Dis	satisfaction: XXXXX
Dependencies: XXXXX		Conflicts: XX	XXX
Supporting Materials: XXX	XX		
History: XXXXX			

10. (10 points)

Write an operational requirement that the CSS will maintain full functionality when operating at night. Fill in the description, rationale and fit (or test) criterion only. Do not fill in the fields marked with XXXX.

Requirement #: XXXXX	Requirement Type: XXX	XX Event/use case #: : XXXX
Description:		
Rationale:		
Source: XXXXXXXXXX		
Fit Criterion:		
Customer Satisfaction: XXX	XXX Customer	Dissatisfaction: XXXXX
Dependencies: XXXXX	Conflicts	: XXXXX
Supporting Materials: XXX	XX	
History: XXXXX		