

CIS 210 – Assignments and Rubrics

Case Study 1: Building an Access Control System

Due Week 3 and worth 50 points

As a member of the Information Security team at a small college, you have been made the project manager to install an access control system (ACS) in a dormitory. The ACS will automatically unlock the dormitory doors via an electronic proximity reader and integrate with an existing security camera system. The cameras are designed to face and rotate to record a person as they use their identification card to unlock the door.

Create a 3-4 page project plan for this project in which you:

1. Include a one-half page project scope statement.
2. Define five (5) major tasks, each with one to two (1-2) subtasks. Also write a brief description for each task.
3. Create a Gantt chart illustrating the project tasks (use Microsoft Project or a similar project management program).
4. Create a system diagram illustrating the equipment and connections required for this project (use Microsoft Visio or a similar software package).

Your assignment must follow these formatting requirements:

- Be typed, double-spaced, using Times New Roman font (size 12), with one-inch margins on all sides; citations and references must follow APA or school-specific format. Check with your professor for any additional instructions.
- Include a cover page containing the title of the assignment, the student's name, the professor's name, the course title, and the date. The cover page and the reference page are not included in the required assignment page length.
- Include charts or diagrams created in Excel, Visio, MS Project, or one of their equivalents such as Open Project, Dia, and OpenOffice. The completed diagrams/charts must be imported into the Word document before the paper is submitted.

The specific Course Learning Outcomes associated with this assignment are:

- Distinguish between non-functional and functional requirements.
- Use contemporary CASE tools in process and data modeling.
- Use technology and information resources to research issues in systems analysis and development.
- Write clearly and concisely about Systems Analysis and Development topics using proper writing mechanics and technical style conventions.

Grading for this assignment will be based on answer quality, logic / organization of the paper, and language and writing skills, using the following rubric.

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Points: 50		Case Study 1: Building an Access Control System			
Criteria	Unacceptable Below 60% F	Meets Minimum Expectations 60-69% D	Fair 70-79% C	Proficient 80-89% B	Exemplary 90-100% A
1. Include a one-half page project scope statement. Weight: 10%	Did not submit or incompletely included a one-half page project scope statement.	Insufficiently included a one-half page project scope statement.	Partially included a one-half page project scope statement.	Satisfactorily included a one-half page project scope statement.	Thoroughly included a one-half page project scope statement.
2. Define five (5) major tasks, each with 1–2 subtasks. Also write a brief description for each task. Weight: 30%	Did not submit or incompletely defined five (5) major tasks, each with 1–2 subtasks. Also did not submit or incompletely wrote a brief description for each task.	Insufficiently defined five (5) major tasks, each with 1–2 subtasks. Also insufficiently wrote a brief description for each task.	Partially defined five (5) major tasks, each with 1–2 subtasks. Also partially wrote a brief description for each task.	Satisfactorily defined five (5) major tasks, each with 1–2 subtasks. Also satisfactorily wrote a brief description for each task.	Thoroughly defined five (5) major tasks, each with 1–2 subtasks. Also thoroughly wrote a brief description for each task.
3. Create a Gantt chart illustrating the project tasks. Weight: 30%	Did not submit or incompletely created a Gantt chart illustrating the project tasks.	Insufficiently created a Gantt chart illustrating the project	Partially created a Gantt chart illustrating the project	Satisfactorily created a Gantt chart illustrating the project	Thoroughly created a Gantt chart illustrating the project
4. Create a system diagram illustrating the equipment and connections required for the project. Weight: 20%	Did not submit or incompletely created a system diagram illustrating the equipment and connections required for the project.	Insufficiently created a system diagram illustrating the equipment and connections required for the project.	Partially created a system diagram illustrating the equipment and connections required for the project.	Satisfactorily created a system diagram illustrating the equipment and connections required for the project.	Thoroughly created a system diagram illustrating the equipment and connections required for the project.
5. Clarity, writing mechanics, and formatting requirements. Weight: 10%	More than 8 errors present	7-8 errors present	5-6 errors present	3-4 errors present	0-2 errors present