

CIS 210 – Assignments and Rubrics

Term Paper: Website Migration Project

Due Week 10 and worth 200 points

Tony's Chips has recently been sold to a new independent company. The new company has hired you to manage a project that will move the old Website from an externally hosted solution to an internal one. The company's leadership is very concerned about redundancy for their site, insisting that a back-up site be available as a failover in case the main site goes down. In addition, they want the site redesigned to allow customers to order products online.

As part of your job, you must complete a 10-to-15 page paper that follows this project through the system development life cycle (SDLC). This assignment will require you to do the following:

1. Discuss what it will take to build a Web architecture, move an existing Website with minimal downtime, and provide a disaster recovery solution to ensure the site is always available.
 - a. The Web architecture should describe and justify operating system choices (i.e., Linux, Apache, MYSQL, PHP, Windows, IIS, SQL, etc.).
2. Evaluate alternatives to the company self-hosting the site.
3. Build a Gantt chart using Microsoft Project or equivalent software, showing all tasks associated with implementing the Website.
 - a. The chart should include a minimum of five (5) tasks, each with three (3) sub-tasks.
4. Explain and justify the system architecture you have selected.
5. Illustrate the system architecture using Visio or equivalent software.
6. Create a use case that documents the event of a customer ordering a bag of chips from the new Website.
 - a. The use case should include a graphical representation using Visio or equivalent software and a text description of the events.
7. Discuss the support operations that the internally hosted Website will require after implementation.
8. Explain how you will evaluate the performance of the new site and the success of your project.

The specific Course Learning Outcomes associated with this assignment are:

- Design high-level logical system characteristics (user interface design, design of data, and information 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: 200		Term Paper: Website Migration Project			
Criteria	Unacceptable Below 60% F	Meets Minimum Expectations 60-69% D	Fair 70-79% C	Proficient 80-89% B	Exemplary 90-100% A
1. Discuss what it will take to build a Web architecture, move an existing Website with minimal downtime, and provide a disaster recovery solution to ensure the site is always available. Describe and justify the operating system choices. Weight: 10%	Did not submit or incompletely discussed what it will take to build a Web architecture, move an existing Website with minimal downtime, and provide a disaster recovery solution to ensure the site is always available. Incompletely described and justified the operating system choices.	Insufficiently discussed what it will take to build a Web architecture, move an existing Website with minimal downtime, and provide a disaster recovery solution to ensure the site is always available. Insufficiently described and justified the operating system choices.	Partially discussed what it will take to build a Web architecture, move an existing Website with minimal downtime, and provide a disaster recovery solution to ensure the site is always available. Partially described and justified the operating system choices.	Satisfactorily discussed what it will take to build a Web architecture, move an existing Website with minimal downtime, and provide a disaster recovery solution to ensure the site is always available. Satisfactorily described and justified the operating system choices.	Thoroughly discussed what it will take to build a Web architecture, move an existing Website with minimal downtime, and provide a disaster recovery solution to ensure the site is always available. Thoroughly described and justified the operating system choices.
2. Evaluate alternatives to the company self-hosting the site. Weight: 5%	Did not submit or incompletely evaluated alternatives to the company self-hosting the site.	Insufficiently evaluated alternatives to the company self-hosting the site.	Partially evaluated alternatives to the company self-hosting the site.	Satisfactorily evaluated alternatives to the company self-hosting the site.	Thoroughly evaluated alternatives to the company self-hosting the site.
3. Build a Gantt chart using Microsoft Project or equivalent software, showing all tasks associated with implementing the Website; include at least five (5) tasks, each with three (3) subtasks. Weight: 15%	Did not submit or incompletely built a Gantt chart using Microsoft Project or equivalent software, showing all tasks associated with implementing the Website; did not submit or incompletely included at least five (5) tasks, each with three (3) subtasks.	Insufficiently built a Gantt chart using Microsoft Project or equivalent software, showing all tasks associated with implementing the Website; insufficiently included at least five (5) tasks, each with three (3) subtasks.	Partially built a Gantt chart using Microsoft Project or equivalent software, showing all tasks associated with implementing the Website; partially included at least five (5) tasks, each with three (3) subtasks.	Satisfactorily built a Gantt chart using Microsoft Project or equivalent software, showing all tasks associated with implementing the Website; satisfactorily included at least five (5) tasks, each with three (3) subtasks.	Thoroughly built a Gantt chart using Microsoft Project or equivalent software, showing all tasks associated with implementing the Website; thoroughly included at least five (5) tasks, each with three (3) subtasks.

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4. Explain and justify the system architecture you have selected. Weight: 10%	Did not submit or incompletely explained and justified the system architecture you have selected.	Insufficiently explained and justified the system architecture you have selected.	Partially explained and justified the system architecture you have selected.	Satisfactorily explained and justified the system architecture you have selected.	Thoroughly explained and justified the system architecture you have selected.
5. Illustrate the system architecture using Visio or an equivalent software. Weight: 20%	Did not submit or incompletely illustrated the system architecture using Visio or an equivalent software.	Insufficiently illustrated the system architecture using Visio or an equivalent software.	Partially illustrated the system architecture using Visio or an equivalent software.	Satisfactorily illustrated the system architecture using Visio or an equivalent software.	Thoroughly illustrated the system architecture using Visio or an equivalent software.
6. Create a use case that documents the event of a customer ordering a bag of chips from the new Website. Provide both graphic and text descriptions. Weight: 15%	Did not submit or incompletely created a use case that documents the event of a customer ordering a bag of chips from the new Website. Incompletely provided both graphic and text descriptions.	Insufficiently created a use case that documents the event of a customer ordering a bag of chips from the new Website. Insufficiently provided both graphic and text descriptions.	Partially created a use case that documents the event of a customer ordering a bag of chips from the new Website. Partially provided both graphic and text descriptions.	Satisfactorily created a use case that documents the event of a customer ordering a bag of chips from the new Website. Satisfactorily provided both graphic and text descriptions.	Thoroughly created a use case that documents the event of a customer ordering a bag of chips from the new Website. Thoroughly provided both graphic and text descriptions.
7. Discuss the support operations that the internally hosted Website will require after implementation. Weight: 10%	Did not submit or incompletely discussed the support operations that the internally hosted Website will require after implementation.	Insufficiently discussed the support operations that the internally hosted Website will require after implementation.	Partially discussed the support operations that the internally hosted Website will require after implementation.	Satisfactorily discussed the support operations that the internally hosted Website will require after implementation.	Thoroughly discussed the support operations that the internally hosted Website will require after implementation.
8. Explain how you will evaluate the performance of the new site and the success of your project. Weight: 5%	Did not submit or incompletely explained how you will evaluate the performance of the new site and the success of your project.	Insufficiently explained how you will evaluate the performance of the new site and the success of your project.	Partially explained how you will evaluate the performance of the new site and the success of your project.	Satisfactorily explained how you will evaluate the performance of the new site and the success of your project.	Thoroughly explained how you will evaluate the performance of the new site and the success of your project.
9. Clarity and writing mechanics. Weight: 10%	More than 8 errors present	7-8 errors present	5-6 errors present	3-4 errors present	0-2 errors present