**CIS 210 Paper: Website Migration Project**

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:**

* 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.
	+ The Web architecture should describe and justify operating system choices (i.e., Linux, Apache, MYSQL, PHP, Windows, IIS, SQL, etc.).
* Evaluate alternatives to the company self-hosting the site.
* Build a Gantt chart using Microsoft Project or equivalent software, showing all tasks associated with implementing the Website.
* The chart should include a minimum of five (5) tasks, each with three (3) sub-tasks.
* Explain and justify the system architecture you have selected.
* Illustrate the system architecture using Visio or equivalent software.
* Create a use case that documents the event of a customer ordering a bag of chips from the new Website.
* The use case should include a graphical representation using Visio or equivalent software and a text description of the events.
* Discuss the support operations that the internally hosted Website will require after implementation.
* 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.

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|  | **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; 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; 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; 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; 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; 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; at least  five (5) tasks, each with three (3) subtasks. |
| 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 |