**Analysis Topic 1 - Assignment /**

**Chapter 1, 10 and Online A**

**System Analysis & Design & CIS-2245**

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| Date: | September 13, 2015 |
| Due Date: | September 14, 2015 |
| Assignment: | Analysis Topic 1 |
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1. **Prepare and Submit a response for the following questions: In teams of two students... Charlottetown and Summerside Case Study end-of-chapter statements:**
   1. **Briefly describe what you would include in each iteration of an SDLC, such as Unified Process.**

Inception Phase Iteration:

Project manager develops a system vision, completes cost/benefit analysis and makes clear what needs to be completed for the business case. Other disciplines occur as well with possible prototypes developed.

Elaboration Phase Iteration(s):

Within early iterations, completion of analysis and research for all system requirements ( major component ). High risk portions of the projects core architecture would be worked on first.

Construction Phase Iteration(s):

High risk portions of the system should be completed by this phase. Focus is now on routine parts of the system with predictable forms. Deployment aspects are started as well in the late iterations.

Transition Phase Iteration:

The information system is made ready for production. Final user acceptance and beta testing performed here as well.

* 1. **Describe how incremental development might apply to the project.**

Incremental development would apply to the project by planning each iteration with a portion of the system. As that piece of the system is developed, it would be applied to the overall project, thus ending with a final information system containing all of the developed functionality.

* 1. **How would an iterative approach decrease project risks compared with a none-iterative approach such as WaterFall SDLC?**

An iterative approach would decrease projects risks compared with a none-iterative approach such as the WaterFall SDLC because of the fact that the WaterFall SDLC approach is far more predictive than adaptive. Iterations within an Agile SDLC allow and promote change as each iteration completes. All stages of the SDLC would be included within one single iteration, allowing for greater flexability whereas in the WaterFall SDLC approach, stages are frozen once completed and development teams cannot go back.

* 1. **What are some risks of the iterative approach (more Agile) presented to the project?**

Some risks of the iterative approach ( more Agile ) presented to the project may be the following:

* + - Client must be working with the development team during each and every iteration to ensure the system is adequate and meets expectations
    - Agile development can be very unpredictable causing the need for increased flexibility.
    - Agile development depends on the project team to find solutions to issues that arise as each iteration passes.