Portfolio Assignment: The Role of the Nurse Informaticist in Systems Development and Implementation

*Assume you are a nurse manager on a unit where a new nursing documentation system is to be implemented. You want to ensure that the system will be usable and acceptable for the nurses impacted. You realize a nurse leader must be on the implementation team.*

**To Prepare:**

* Review the steps of the Systems Development Life Cycle (SDLC) and reflect on the scenario presented.
* Consider the benefits and challenges associated with involving a nurse leader on an implementation team for health information technology.

**The Assignment: (2-3 pages)**

In preparation of filling this role, develop a 2- to 3-page role description for a graduate-level nurse to guide his/her participation on the implementation team. The role description should be based on the SDLC stages and tasks and should clearly define how this individual will participate in and impact each of the following steps:

* Planning and requirements definition
* Analysis
* Design of the new system
* Implementation
* Post-implementation support

#### **Required Readings**

**McGonigle, D., & Mastrian, K. G. (2017). Nursing informatics and the foundation of knowledge (4th ed.). Burlington, MA: Jones & Bartlett Learning.**

* **Chapter 9, “Systems Development Life Cycle: Nursing Informatics and Organizational Decision Making” (pp. 175–187)**
* **Chapter 12, “Electronic Security” (pp. 229–242)**
* **Chapter 13, “Workflow and Beyond Meaningful Use” (pp. 245–261)**

**[Agency for Healthcare Research and Quality. (n.d.a). Health IT evaluation toolkit and evaluation measures quick reference guide. Retrieved September 27, 2018, from https://healthit.ahrq.gov/health-it-tools-and-resources/evaluation-resources/health-it-evaluation-toolkit-and-evaluation-measures-quick-reference](https://healthit.ahrq.gov/health-it-tools-and-resources/evaluation-resources/health-it-evaluation-toolkit-and-evaluation-measures-quick-reference" \o "Health IT evaluation toolkit and evaluation measures quick reference guide" \t "_blank)**

**[Agency for Healthcare Research and Quality. (n.d.b). Workflow assessment for health IT toolkit. Retrieved September 27, 2018, from https://healthit.ahrq.gov/health-it-tools-and-resources/evaluation-resources/workflow-assessment-health-it-toolkit](https://healthit.ahrq.gov/health-it-tools-and-resources/evaluation-resources/workflow-assessment-health-it-toolkit" \o "Workflow assessment for health IT toolkit" \t "_blank)**

#### Develop a 2- to 3-page role description for a graduate-level nurse to guide his/her participation on the implementation team. The role description should be based on the Systems Development Life Cycle (SDLC) stages and tasks and should clearly define how this individual will participate in and impact each of the following steps: ·   Planning and requirements definition ·   Analysis ·   Design of the new system ·   Implementation ·   Post-implementation support--

#### Written Expression and Formatting - Paragraph Development and Organization: Paragraphs make clear points that support well developed ideas, flow logically, and demonstrate continuity of ideas. Sentences are carefully focused--neither long and rambling nor short and lacking substance.--

#### Written Expression and Formatting - English writing standards: Correct grammar, mechanics, and proper punctuation--



#### Written Expression and Formatting - The paper follows correct APA format for title page, headings, font, spacing, margins, indentations, page numbers, running head, parenthetical/in-text citations, and reference list.--



### **Name:**NURS\_5051\_Module05\_Week10\_Assignment\_Rubric