

IT 6423

IT System Acquisition & Integration



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Group Research Assignment & Presentation: Phase 4

- The project groups will conduct guided research under the supervision of the instructor. If you have any questions or confusion, please reach out to the instructor.
- Assignment 4 should be submitted by November 16, 2024 (Saturday) 11 PM ET. Each student is required to submit the Group Assignment to facilitate grading purposes (The report will be the same for group members). The assignment will require a detailed write-up of the Phase 4 questions, which we will later use to develop the RFP.
- Presentation 4 will involve an 8-minute Group presentation (~7-8 slides). Presentation 4 Slide should be submitted by November 16, 2024 (Saturday) 11 PM ET. All students from each group will present. Each student is required to submit the Presentation to facilitate grading purposes (Slides will be the same for each group).
- For **Online** Groups, Presentation 4 window will require both (1) presentation slides and (2) video recording of the presentation to submit. Both students must be visible presenting in the recording.
- For **Hybrid** Groups, Presentation 4 window will require the presentation slides only. Oral presentations will be in the class on November 14 and November 21, 2024.

Phase 4 Questions

1. What are the specific measurable needs (requirements) centered around the proposed solution (software system) and how do you plan to manage them effectively? Discuss the following requirements. (**three specific requirements for each of these elements**). [EWC: 1000 words (roughly 100 words per element; roughly 33 words per requirements)]
 - i. Functional requirements
 - ii. Technical requirements
 - iii. Financial requirements
 - iv. Service requirements
 - v. System requirements
 - vi. Security requirements
 - vii. Organizational requirements
 - viii. Integration requirements
 - ix. Implementation requirements
 - x. Training and support requirements



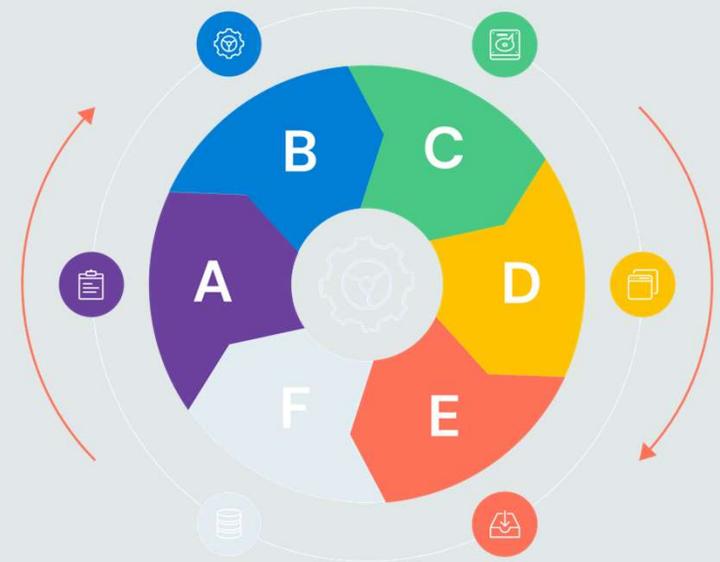
*EWC: Expected Word Count; ONLY APPLICABLE FOR ASSIGNMENTS

*For presentation, I recommend to discuss the most important 4 elements (*3 requirements) to keep the presentation engaging, for assignment, discuss all 10 elements (*3 requirements).

Phase 4 Questions

2. Discuss the Usability and Efficacy Assessment Plan of your proposed IT system. **[EWC: ~500 words]**

- Usability Assessment Plan must include a formal method.
- Efficacy Assessment Plan must include 3 Milestones to satisfy.



Phase 4 Questions

3. Explain the Approval Chain of the RFP for your proposed IT system. [EWC: 200 words]



Phase 4 Samples/Guideline

1. What are the specific measurable needs (requirements) centered around the proposed solution and how do you plan to manage them effectively? Discuss the following requirements. (**three specific requirements for each of these elements**). [EWC: 1000 words (roughly 100 words per element; roughly 33 words per requirements)]

Example: (for one element...)

System Requirements

- **Performance:** The system shall maintain a response time of under 2 seconds for common operations, even under heavy load..... (Specify even more with the context of your problem)
 - **Scalability:** The system shall be able to handle increasing data volumes and user numbers without performance degradation..... (Specify even more with the context of your problem)
 - **Reliability:** The system shall have an uptime of at least 99.9% with mechanisms for data backup and disaster recovery..... (Specify even more with the context of your problem)
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Phase 4 Samples/Guideline

2. Discuss the Usability and Efficacy Assessment Plan of your proposed IT system.
 - Usability Assessment Plan must include a formal method.

For example:

- System Usability Scale (SUS)
- Multi-blind Delphi Method

Phase 4 Samples/Guideline

2. Discuss the Usability and Efficacy Assessment Plan of your proposed IT system.
- Efficacy Assessment Plan must include 3 Milestones to satisfy.

For example (What perspective you can cover for this part of the question, here are some foods for brainstorming...):

- How efficiently users can complete a well-defined task within this system
- If it is a ML classification problem, what are the accuracy, specificity, sensitivity milestones you need to achieve (or, you require developers to meet)
- Scalability: Assess the system's performance under different load condition
- Compliance with HIPAA or GDPR
- Comparative Evaluation/Benchmarking

Phase 3 Presentation Schedule (Hybrid Section)

November 14, 2024	November 21, 2024
Group 02	Group 01
Group 04	Group 03
Group 06	Group 05
Group 08	Group 07
Group 09	