Grouping

Max of 4
Min of 2

Information system proposal

- Must be **simple** but **purposeful** (doable in 3 to 4 months)
    - If the IS is too simple, then the student won't be able to do much in terms of reporting and data management
    - If the IS is too complex, then the student won't be able to finish.
- Instructors have discretion to accept or reject proposal.
    - Students need their proposal to be approved before any grade can be given
    - Instructor must make sure that the document is acceptable and ready for implementation on the second semester
- All students are expected to demonstrate basic to advance querying in the ff:
    - Data management - CRUD
    - Transaction Handling
    - Reporting – basic analytics
    - Security
        - User types and access

Content

1. Introduction
   1.1. Rationale

- Background
  - We have project managers who are always on the road
  - Project documents are thus often unavailable to managers, causing delays and lost business
  - Project documents are often out of date, making oversight difficult
- Business Opportunity
  - Internet connectivity is everywhere, so let's use it
  - A Web-based system providing access to project documents
  - Allow read, edit, addition, with privilege restrictions
  - No inexpensive equivalent commercial product
  - We have lots of folks who can build this during idle time

   1.2. Objectives
      1.2.1. General Objectives
      <what you want to develop – must be only sentence>
      1.2.2. Specific Objectives
  - Objectives & Success Criteria
    - Reduce calls to home office to fax project documents by 75%
    - Reduce home office support costs by 15%
    - Reduce customer service complaints by 35%
    - Customer/Market Needs
    - Reduce by 75% the amount of "stuff" project managers need to carry on the road, without loss of effectiveness
  - Business Risks
    - A "home-grown" solution will take so long that it won't be cost effective vs. a commercial solution
    - We may not think of product details that are most effective

   1.3. Beneficiaries
      <who will benefit from this system>

   1.4. Scope and Limitation
      <what are the capabilities of your system? i.e. The system can track the progress of the project… >
      <what can't your system do and why? i.e. the system can only record payment but not process it. >
- Scope of initial release
  - Focus on reading/modifying existing project documents
  - Time stamps, version control

- Very simple menu-based interface

- Scope of subsequent releases
  - Improve interface
  - Add capability to originate new projects
  - Add user privilege functionality
  - Allow personnel assignments
- Limitations and exclusions
  - The system will be coupled with the home office database only
  - The system will not replace any existing communication modes, e.g., email

2. Review of Related Literature and Systems

   Read articles, journal, books and other authored and trusted sources. Try to check if there are already similar studies existing related to your work. If there is, then discuss your findings.

   You can also go over similar applications/systems. Try to figure out what features are provided in there and see if they can be applied to your system or if there are GAPS from the said system that can be addressed in your system

   Possible source ISMIS/Library

3. Analysis and Design

   3.1. Business Process

   USE BPMN 2.0

   3.2. Users

   <Identify the various user classes that you anticipate will use this product. User classes may be differentiated based on frequency of use, subset of product functions used, technical expertise, security or privilege levels, educational level, or experience. Describe the pertinent characteristics of each user class. Certain requirements may pertain only to certain user classes. Distinguish the most important user classes for this product from those who are less important to satisfy.>

   3.3. ERD

   <Follow UML standard notation >

   3.4. Relation (3NF)

   <will discuss this later>

   3.5. Functional Requirements

   <Summarize the major functions the product must perform or must let the user perform. Details will be provided in Section 3, so only a high-level summary (such as a bullet list)

is needed here. Organize the functions to make them understandable to any reader of the SRS. >

3.6. Non-functional Requirements

3.7. Project Schedule
<use PERT or GANTT chart>

3.8. Hardware Interfaces

3.9. Software Interfaces

4. References
<follow APA format>

5. Appendixes
5.1. Screenshots