INFOST 340 – Systems Analysis
Project Assignment
Instructions for the Proposed Solution Deliverable

What is the Proposed Solution?

The Project Assignment has 3 deliverables that are due at different times within the semester:

- Project Plan
- Systems Analysis
- Proposed Solution

The Proposed Solution is the third of these deliverables.

Case Scenarios and Group Support Rules

Each student will complete the Project Assignment based upon the case scenario that they have been assigned. There are 5 different case scenarios. This number is sufficient that no two students in the same group will be assigned the same case scenario. You will be assigned one of these case scenarios before work on the Project Assignment begins.

This use of multiple case scenarios will allow members of the same group to confer with each other regarding their work without sharing their work product with another student who is solving the exact same problem. As stated in the course syllabus, students are encouraged to review the work of their team members and make suggestions for improvements. While students **are allowed** to exchange work with and confer with other students in their own group who are working on a different case scenario, students **are not allowed** to exchange work or confer with members of other groups who are working on the same case scenario.

The Proposed Solution
This is a two-part document that includes both business-oriented prose and technical drawings. **Your document must follow the outline shown below and include the headings within your document in bold type.**

The Technical Architecture section of this document should be written in business-oriented professional prose. While the instructions for the Technical Architecture section include a series of questions that must be addressed in your submission, **please do not answer these questions individually as though filling in answers to questions on a test**. **Instead, use your writing skills** to write a professional report that addresses the issues and questions that have been identified.

Proposed Solution Outline
Note: Your proposed solution document must follow this outline and include these headings in bold type.

1. **Technical Architecture**

   a. **Choice of Architecture**
      - Multi-User vs. Single-User*
      - Dedicated Desktop Application vs. Web-based Application
      - Mobile Support (none, browser-based, custom app)
      - Data Store (relational database vs. other data stores)
      - Recommended Technology Stack (LAMP, JEE, .Net)

   b. **Rationale for Choice of Architecture**
      - Functional requirements that support this architecture
      - Non-functional requirements that support this architecture

   * If you choose a single-user technical architecture, you **must** support this choice by explaining how this application will only ever have a single user.

2. **System Input Designs / System Output Designs**
   - Provide mocked-up designs of at least four (4) inputs or outputs of your proposed system solution. These can include:
     - Screen design
     - Report design
     - Web page design
     - Mobile app interface design
   - Follow standards for the design of inputs/outputs that were presented in the Hoffer text, discussed in class, and followed in the skills practice assignment.
   - **Make sure that each design includes enough sample data** so that the full functionality can be inferred from the examples shown. To accomplish this, you may need to include more than one rendering of each design.

Document Length
The *Technical Architecture* section of this document should be a single-spaced typewritten document that is 1 to 2 pages long. The *System Input Designs / System Output Designs* section should include at least one page per design. More pages per design should be used if necessary to illustrate how the design will be used to accomplish a use case.

Format
A single PDF document

File Naming Conventions
The name of the file which you submit should be consistent with the following model:

lastName_firstName_proposed_solution.pdf

Submission Deadline
The submission deadline and dropbox to which the assignment should be submitted will be indicated in the Weekly Schedule.

Grading
A separate grading rubric document will be posted in the Weekly Schedule.