INFOST 340 Systems Analysis
Instructions for the Proposed Solution

Relationship of the Project Plan to the Proposed Solution
The Project Report is a three-part assignment that provides you with an opportunity to demonstrate all of your systems analysis skills on a case scenario. This document provides the instructions for writing the third part, the Proposed Solution. The instructions for the remaining two parts are provided in separate documents.

Case Scenarios and Group Support Rules
Five case scenarios have been created and published. This number is sufficient that no two students in the same group will be assigned the same case scenario. The case scenario assigned to each student will be indicated, and case scenario documents will be published before work on the case 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.

Proposed Solution Document
This should be a business document written in professional prose that addresses subjects according to the outline shown below. **These outline headings should be included in your text in bold type** in order to make your work easier to find while grading. Although the outline below includes a number of questions that should be addressed in each section of the report, please do not answer these questions individually as though filling in 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**
   - Describe the general type of technical architecture that you are recommending. This might include:
     - Multi-user Web-based application
     - Multiple-user desktop application
     - Custom-developed mobile application
     - Database backend

     In the event that you choose a single-user technical architecture, be sure to support this choice by explaining how this application will only have a single user (now and in the future).
   - Give your opinion as to whether this application should be developed in-house, outsourced, purchased from a packaged software vendor, adopted from an open-source software project, implemented using cloud-based system features, or some combination thereof. Support your answer with product and industry knowledge as best you can.

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 group practice exercise.
   - Make sure that all mockups include enough sample data so that the full functionality can be inferred from the examples shown.

Document Length
The prose sections of this document should be single-spaced typewritten documents that are written professionally and sufficiently long to achieve their purpose. Any diagrams, screen samples, and report samples should be sufficiently long to demonstrate the variety of data that are expected.

Format
A single PDF document. Any other format must be approved by the instructor before submission.

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.