**CEIS400 BUSINESS PROBLEM SCENARIO GROUP C**

**(Course Project Lab Assignment #1)**

**(Instructions: Complete the template below based on your *selected project business case study scenario* in the Course Home, or provided by the professor. Keep the course project lab deliverables moving by listing and/or confirming any assumptions with the professor, *as needed*.)**

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| **CEIS400 Business Problem Scenario Information** |
| **Company/Scenario Name: GB Manufacturing**  **Date: 3/1/24**  **Prepared By: Xavier Norment** |
| ***General Project Information:***  **Project Team #: ZN-3507**  **Project Team Name: Zeta Charlie**  **Project Leader and Team Members: Xavier Norment, Hailey Thomas, Ronda Vaughn** |
| ***Business Problem/Scope Statement:***  According to most recent estimate $50,000 worth of tools are lost or stolen every working year, and a new system to keep track of materials and equipment checkout is needed. This project will provide the solution of a centralized database to keep track of employees and the equipment they check out and return to replace the manual handwritten system currently in use. |
| ***Project Objectives:#TODO***   * Reduce the amount of time that it takes to process a single equipment checkout * Reduce the amount of time it takes to process an employee termination * Be able to accurately and quickly connect a returned piece of equipment to the employee responsible * During checkout be able to confirm employee has the appropriate skill level to use the equipment * Automate employee notification of when orders come in and who it goes to   Bullet Format (objectives are measurable confirmation of the scope) |
| ***Customers/Stakeholders:***   * Project Manager * Project Team * Depot Manager * Project Sponsor * Company Employees * Company Shareholders |
| ***Project Description:#TODO***   1. Restate project statement, what it should do from the highest view 2. Minimum of one paragraph (business description/high-level *functional requirements*; what is the system or application supposed to do?) 3. Java, MS MySQL, Visio, MS VS, GitHub 4. Minimum of one paragraph (technical description/language, tools, and *technical resources*; how will you use the technical resources to build the system or application?) |
| ***Software Engineering Best Practices:#TODO***   * Obfuscation – not allowing easy outside access to important or sensitive information * Well-documented and commented code * Source Version Control * Proper Diagramming * Well-planned test cases * Code Reviews * Waterfall-style meetings |
| ***Major Project Deliverables:***  Requirements Analysis/ Specifications  Week 1 - Project Scope and High-Level Requirements  Week 2 - Requirements and UML-OOAD Diagrams  System Design  Week 2 - Requirements and UML-OOAD Diagrams  Week 3 – Software Architecture  Development Implementation  Week 5 - Software Design and Construction  Week 6 - Construction and Testing  Various Testing Cycles  Week 6 - Construction and Testing  Deployment  Week 7 - Testing and Maintenance  Week 8 – Finalization of Project  Maintenance  Week 7 - Testing and Maintenance  Week 8 – Finalization of Project |
| ***Individual/Team Member Job Descriptions/Responsibilities for each course project lab assignment:***  Xavier Norment—  Project Lead, Documentation, meeting notes/ agendas,  Hailey Thomas—  Lead Java Programmer, meeting notes/ agendas,  Ronda Vaughn—  Job descriptions can be based on the SDLC deliverables or lab numbers or sections to ensure accountability for all project deliverables. Responsibilities can overlap among team members. However, there must be a **primary** team member and **secondary** team member accountability for each task (as back up).  Detail bullet format (List the team member name and bullet format the job description for all team members.)  (Note: This job description will be cross-checked to your individual time sheet journals and MS project plan and overall contribution to the project.) |
| ***Additional Comments (optional):*** |