Week 8 Assignment 5

1. Discuss the system's current implementation weaknesses and how they can be improved.
   - System A
     1. Inefficient data retrieval
     2. Limited scalability
   - System B
     1. Poor user interface
     2. Low security measures

2. Propose a solution to each weakness and the expected benefits.
   - System A: Implement caching to improve data retrieval.
     - Benefits: Faster response times, reduced database load.
   - System B: Enhance user interface design.
     - Benefits: Increased user satisfaction, easier navigation.

3. Evaluate the system's performance improvements over the past quarter.
   - System A: Improved data retrieval times, reduced load on servers.
   - System B: Increased user satisfaction, improved security protocols.

4. Analyze the system's cost measures and suggest cost-saving strategies.
   - System A: Reduce energy consumption by implementing server consolidation.
     - Cost savings: Up to 50% on energy bills.
   - System B: Optimize database queries for faster processing.
     - Cost savings: Reduced computational resources needed.

5. Assess the system's current security measures and propose enhancements.
     - Enhancements: Increased user security, reduced risk of unauthorized access.
   - System B: Perform regular security audits and updates.
     - Enhancements: Continuous improvement, better protection against threats.

6. Review the system's current maintenance strategies and suggest improvements.
   - System A: Implement automatic backup procedures.
     - Improvements: Ensure data integrity, ease of recovery in case of failures.
   - System B: Increase regular system checks and maintenance.
     - Improvements: Prevent system degradation, increase reliability.

7. Conclude with a summary of the key findings and recommendations for future improvements.
   - Key findings:
     2. System B: Need for enhanced user interface and security measures.
   - Recommendations:
     2. System B: Enhance user interface, implement multi-factor authentication.

8. Submit your report in a format that is clear and easy to understand.
   - Report should include:
     - System analysis
     - Proposed solutions
     - Performance improvements
     - Cost-saving strategies
     - Security enhancements
     - Maintenance improvements

9. Your report will be reviewed by the system's management team.
   - Expect a response within 1 week.