MIS6363 Group Project Requirements

Description: You will create a team of 4-5 people that will design an application presentation based off the 6 Pillars of the Well-Architected Framework:

- Operational Excellence
- Security
- Reliability
- Performance Efficiency
- Cost Optimization
- Sustainability

For more information regarding each of these Pillars, please visit:
https://aws.amazon.com/blogs/apn/the-6-pillars-of-the-aws-well-architected-framework/

Application requirements:

- An entry point for your application users (Ex: Elastic Load Balancer, API Gateway, etc.)
- A mechanism for application users to Authenticate
- The application must be highly available at all levels within an AWS Region (App/Web Servers, DBs, etc.)
- Must scale with demand
- Logging should be in place using AWS Services
- Monitoring should be in place
- Must use an AWS Service to host the Database backend
- Infrastructure should be secured using AWS Services (Encryption, IAM permissions, etc.)
- Cost Optimized

Presentation requirements:

- Introducing the Team
- Description of your Application
- Why you have chosen AWS for creating your application
- Diagram of your application using AWS services (You can use Draw.io to create the diagram or any diagram software you prefer)
- Describe why your application follows the 6 Pillars of the Well-Architected Framework
- A slide on each pillar of the Well-Architected Framework describing what AWS services you have used that represent that pillar