

Banking/Financial CYSE System Requirements

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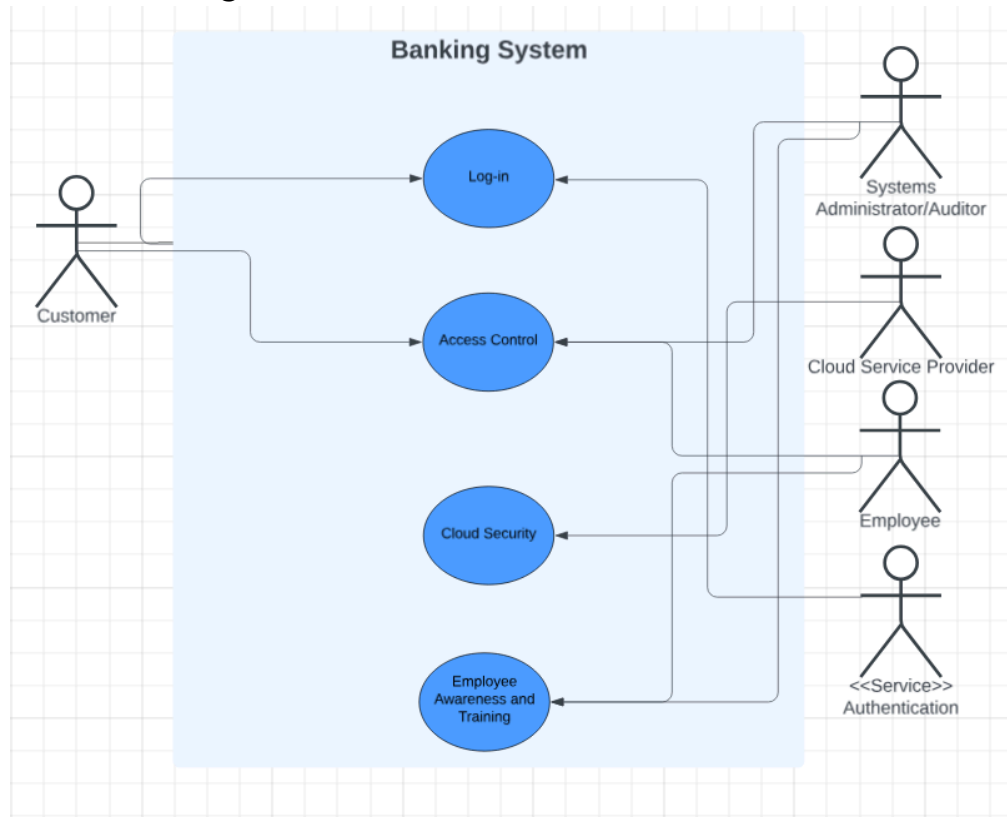
Current Status of System

- Data Breaches: Information in the accounting firm has been going missing(stolen); as a result, customer assets have been lost.
- Currently no permissions are in place, every employee has access to everything.
 - 250 employees total, 10 of them being IT, the rest are hands on.
- All customer data is currently held on a hard drive.
- Current Policies: If you see something, say something. Essentially no policies.
- Employee Training: No training implemented.
- System Budget: 2-3 Million Dollars

Financial CYSE System: Key Requirements and Implementation

- Access Control: User Authentication (MFA), Principle of Least Privilege,
- Incident detection and response:
- Automation
- Risk Management and Third Party Risk
- Regulatory Compliance (Comply with regulations such as GDPR or different acts)
- Data Encryption and Protection
- Employee Awareness and Training: Social Engineering Training
- Cloud Security

Use Case Diagram



Activity Diagram

