Activity 1: Cybersecurity Standards and Regulations

This document is intended to guide your coursework and set expectations to enable you to fulfill the course requirements. You are expected to complete all the tasks and ensure that the objectives are met. The format of your coursework activities is guided using this template. All activities must be completed on time. It is highly recommended that you manage your time effectively throughout the term to avoid falling behind. This document is required for your portfolio submission

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| **Objective** | **Status** |
| Topic: Equifax breach 2017  Task: Read the following article and answer questions outlined in the analysis section  URL: https://www.csoonline.com/article/567833/equifax-data-breach-faq-what-happened-who-was-affected-what-was-the-impact.html | Completed  Pending |
| **Analysis** |
| Nature of Failure:   * Was this primarily a privacy failure (e.g misuse of personal information), a security failure (e.g system vulnerability exploited), or a combination of both? * Answer: <Provide your answers in here>   I think the Equifax breach 2017 is more of a security failure. The direct cause was that attackers found and exploited technical vulnerabilities in infrastructure and internal control. Those security failures enabled the breach in the first place.  Root cause and Prevention:   * What were the main causes of the breach (technical, human, organizational, or regulatory gap)? * What measure (laws, standards, or best practices like NIST/ISO) could have prevented or minimized the impact? * <Provide your answers in here>   The main cause of Equifax breach was a combination of technical, human, organizational, and regulatory gap. The technical cause was a failure to patch Apache Struts. Both the human and organizational causes were poor patch management, and lack of accountability. The regulatory gap was that those handling sensitive personal information were not really enforcing cybersecurity standards.  Impact and Consequences:   * Who was affected (individuals, organizations, governments)? * What were the short-term and long-term impacts (Financial, reputational, or legal? * <Provide your answers in here> |