

CYB 320 SWOT Analysis Worksheet

Personal Security and Home Technology

Perform a SWOT analysis on your personal security practices for the technology within your home; each quadrant must contain between five and seven items.

Strengths	Weaknesses
<ol style="list-style-type: none">1. All laptops have antivirus software installed, ensuring protection against malware and viruses.2. Systems and devices are updated regularly when updates are available, maintaining security measures up-to-date.3. Utilization of a VPN by myself for secure browsing and online activities.4. Biometric security features enhance protection for certain devices, adding a layer of security.5. Sensitive data is encrypted, providing robust security against unauthorized access.6. All devices and accounts are password-protected, which helps prevent unauthorized access.	<ol style="list-style-type: none">1. The ISP-run mesh router system limits personal control over network security settings.2. Only myself uses a password manager, which could lead to weaker password security practices by others, leading to security breaches.3. Only a few devices and accounts are secured with two-factor authentication, leaving others potentially vulnerable.4. Only myself is vigilant about phishing threats, which increases risk.5. Numerous Bluetooth connections can be a potential vector for security breaches.6. Only I regularly backs up data, potentially risking data loss for others.
Opportunities	Threats

<ol style="list-style-type: none">1. Implementing two-factor authentication across all devices and accounts to enhance security.2. Educating roommates on the importance of consistent security practices like using password managers and recognizing phishing attempts.3. Exploring options to gain more control over the home network system, perhaps by switching from the ISP-managed setup.4. Encouraging friends and family to perform regular backups of their data.5. Reviewing and upgrading security measures for smart devices and TVs.6. Increase awareness and security settings customization for smart TVs to protect against unauthorized access and data breaches.	<ol style="list-style-type: none">1. Dependence on ISP for router security could be a risk if their security standards are inadequate.2. Differing levels of awareness about phishing among roommates could lead to successful scams.3. Multiple portable devices like laptops and smartwatches increase the risk of theft or loss, leading to potential data breaches.4. Frequent unprotected web surfing and downloading on multiple devices could introduce malware.5. Existing multiple Bluetooth connections could be exploited by nearby attackers.6. Sole reliance on antivirus software without other security measures could lead to gaps in defense.
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