	Team:	Aminatou		Date: 20.11.2024
Very Likely	Medium-Low: 6 Browser Compatibility Issues Probability: 3 (Medium) Impact: 2 (Low) Combined Score: 6 (Medium-Low) Mitigation: Conduct cross-browser testing, use responsive design principles, implement graceful degradation for older browsers, and provide clear information about supported browsers.	Medium: 10 Compliance Violations Probability: 2 (Low) Impact: 5 (High) Combined Score: 10 (Medium) Mitigation: Conduct regular compliance audits, stay updated on data protection regulations, and implement necessary legal safeguards.	Medium: 12 Bandwidth Limitations Probability: 3 (Medium) Impact: 4 (Medium-High) Combined Score: 12 (Medium) Mitigation: Implement Quality of Service (QoS) policies, monitor network traffic, and optimize bandwidth allocation across apartments.	High: 20 Security Breach Probability: 4 (High) Impact: 5 (High) Combined Score: 20 (High) Mitigation: Implement robust network segmentation, use advanced firewall rules, conduct regular security audits, and establish strict access control protocols.
Possible	Medium-Low: 5 Power Outage Probability: 1 (Very Low) Impact: 5 (High) Combined Score: 5 (Low-Medium) Mitigation: Install Uninterruptible Power Supply (UPS), create power redundancy, and develop emergency power management protocols.	Medium-Low: 6 Energy Monitoring System Failure Probability: 2 (Low) Impact: 3 (Medium) Combined Score: 6 (Medium-Low) Mitigation: Use redundant IoT sensors, implement real-time monitoring alerts, and develop backup data collection methods.	Medium: 10 Data Loss Probability: 2 (Low) Impact: 5 (High) Combined Score: 10 (Medium) Mitigation: Implement automated backup systems, use cloud storage, create off-site backups, and establish regular data recovery drills.	High: 15 Unauthorized Access Probability: 3 (Medium) Impact: 5 (High) Combined Score: 15 (High) Mitigation: Implement multi-factor authentication, encrypt sensitive data, use strong access control lists, and conduct regular security training.
	Medium-Low: 9 Scalability Limitations Probability: 3 (Medium) Impact: 3 (Medium) Combined Score: 9 (Medium-Low) Mitigation: Design modular infrastructure, use scalable network architectures, and plan for future expansion during initial design.	Medium-Low: 9 Scalability Limitations Probability: 3 (Medium) Impact: 3 (Medium) Combined Score: 9 (Medium-Low) Mitigation: Design modular infrastructure, use scalable network architectures, and plan for future expansion during initial design.	Medium: 10 Hardware Failure Probability: 2 (Low) Impact: 5 (High) Combined Score: 10 (Medium) Mitigation: Maintain spare equipment, implement redundant network components, and create comprehensive backup strategies.	Medium: 12 Configuration Conflicts Probability: 4 (High) Impact: 3 (Medium) Combined Score: 12 (Medium) Mitigation: Create standardized configuration templates, conduct thorough integration testing, and maintain detailed documentation.

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