# Unit 2 Assignment - Risk Assessment Plan

# Amon-Ra

# Herzing University

BU622 Information Security and Privacy

**Introduction:** The following report is an information technology risk assessment of a company. The assessment examines a business that I am working to start in the near future.

**Company**: Zanzibar Spice, LLC

Zanzibar Spice, LLC is a single member limited liability company registered in the state of Georgia in the United States. This company is a new startup in the coffee industry, specializing manufacturer of specialty coffee. In the specialty coffee industry, the business focusses on the production of Zanzibar spice coffee. The company will begin its operations by offering its product line for retail purchase for consumers via online sales. This is a small startup consisting one employee that also acts as the director.

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| **Asset** | **Threats** | **Vulnerabilities** | **Impacts** | **Likelihood** | **Risk Assessment** | **Controls** |
| Customer Data  High | Accidental Human Interference  Low | Permissions  Low | Critical data could be lost  Medium | Low | Medium | Backups,  Ensure permissions roles are assigned properly |
| Malicious human Interference  Medium | Breach  Low | Critical data could be lost and/or compromised  High | Low | High | Firewall, current patching. |
| Network Equipment  High | System Failure  Medium | Power  Internet outage  Bottleneck  DDOS Attack  Low | All services unavailable  High | Medium | High | Redundancy for power, devices, internet connections. Adequate bandwidth DDOS mitigation |
| Server  High | System Failure  Medium | Power  Internet outage  Bottleneck  DDOS Attack  Low | Customer inability to place orders.  Advertisement  Unable to make supply orders  High | Medium | High | Redundancy for power and devices. Adequate processing power. DDOS mitigation |
| Supplier Data  High | Accidental Human  Interference  Low | Permissions  Low | Critical data could be lost  Medium | Low | Medium | Backups,  Ensure permissions roles are assigned properly |
| Malicious human Interference  Medium | Breach  Low | Critical data could be lost and/or compromised.  High | Low | High | Firewall, current patching. |
| Website  High | System Failure  Medium | DDOS Attack  Low | Customer inability to place orders  High | Low | High | DDOS mitigation |

**Conclusion:** Although the company will begin as a small startup, due to its implementation of information technology and online sales component, there are risks that should mitigated.

References:

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