CYB 410 Project One Stepping Stone Two Template
Estimated Downtime Template

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CYB 410
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Mission/Business Process	MTD	RTO	RPO
Ordering Supplies	72 hours	48 hours	24 hours

Justification: The manager stated that the business can operate for up to three days without nutrients before any issues arise. MTD is set to 72 hours, RTO up to 48 hours, which provides enough time to restore ordering capabilities before supplies become an issue, while preventing any disruption to plant growth. RPO is set to 24 hours to ensure that ordering records remain at their current state for accurate accounting and tracking for supply usage.

Mission/Business Process	MTD	RTO	RPO
Processing Customer Transactions	24 hours	6 hours	12 Hours

Justification: Customer transactions keep the revenue going every day, so if something were to go down for too long, it's going to hurt sales and frustrate their customers. The MTD is set to 24 hours because businesses can operate and process sales on paper if the POS system is down. However, a full day of the outage can cause severe disruptions and may take some time to process. RTO is set up for 6 hours to ensure that the POS system is restored as quickly as possible and to minimize reliance on manual alternatives. RPO is set at 12 hours so that recent transactions can be restored ahead of time without causing discrepancies in sales or inventory records.

Mission/Business Process	MTD	RTO	RPO
Creating Security Reports	24 hours	8 hours	24 hours

Justification: MTD is set to 24 hours because we don't want the security to be down for a full day. RTO is set to 8 hours because we need to have the backup power running so that devices can be replaced in a timely manner. RPO is set as 24 hours so that nothing can be avoided on losing any important security footage.

Mission/Business Process	MTD	RTO	RPO
Tracking Grow Technique Data	24 hours	24 hours	12 hours

Justification: The Department of Agriculture needs to keep track of growth and care records. A day of downtime should be fine, but regarding data, it needs to be restored within a 12-hour period to remain compliant and maintain an accurate plant cycle.

Mission/Business Process	MTD	RTO	RPO
Creating Safety Reports	24 hours	12 hours	24 hours

Justification: Justification: Safety reports ensure OSHA compliance and hazard tracking. Any delay of more than a day risks regulatory issues, but the process should ideally be restored within 12 hours of RTO to document safety incidents in near real-time.

Mission/Business Process	MTD	RTO	RPO
Logging/Tracking Product	24 hours	12 hours	24 hours

Justification: MTD is set to 24 hours so that we can determine sales by comparing them to the previous day. RTO is 12 hours because if it takes more than 12 hours, we will have to redo the whole inventory and possibly shut everything down. The RPO is set at 24 hours, ensuring we maintain a full record of inventory tracking.