Risk register

Operational environment:

The bank is located in a coastal area with low crime rates. Many people and systems handle the bank's data—100 on-premise employees and 20 remote employees. The customer base of the bank includes 2,000 individual accounts and 200 commercial accounts. The bank's services are marketed by a professional sports team and ten local businesses in the community. There are strict financial regulations that require the bank to secure their data and funds, like having enough cash available each day to meet Federal Reserve requirements.

Asset	Risk(s)	Description	Likelihood	Severity	Priority
Funds	Business email compromise	*An employee is tricked into sharing confidential information.*	2	2	4
	Compromised user database	*Customer data is poorly encrypted.*	2	3	6
	Financial records leak	*A database server of backed up data is publicly accessible.*	3	3	9
	Theft	*The bank's safe is left unlocked.*	1	3	3
	Supply chain disruption	*Delivery delays due to natural disasters.*	1	2	2
Notes	Business email compromise could happen easily since there are a lot of employees and they get a lot of emails during their work time. It may also leak confidential information which could be highly risky. Customer data being poorly encrypted could happen easily as well. However, compared to financial records being leaked, it would impact less. So it would be 2nd priority. Financial records leak has a severe impact on the business. The database being publicly accessible and its leaking could happen through online hacking. So it would be top priority. The likelihood of theft happening would not be as high. However, it causes severe damage to the business.				

	The likelihood of a natural disaster happening is quite low. It could happen maybe once a year. And the delays of delivery would cause customer complaints but would not impact the business as much compared to other risks. So its priority would be last.

Asset: The asset at risk of being harmed, damaged, or stolen.
Risk(s): A potential risk to the organization's information systems and data.
Description: A vulnerability that might lead to a security incident.
Likelihood: Score from 1-3 of the chances of a vulnerability being exploited. A 1 means there's a low likelihood, a 2 means there's a moderate likelihood, and a 3 means there's a high likelihood.
Severity: Score from 1-3 of the potential damage the threat would cause to the business. A 1 means a low severity impact, a 2 is a moderate severity impact, and a 3 is a high severity impact.
Priority: How quickly a risk should be addressed to avoid the potential incident. Use the following formula to calculate the overall score: **Likelihood x Impact Severity = Risk**

Sample risk matrix

		Severity		
		Low 1	Moderate 2	Catastrophic 3
Likelihood	Certain 3	3	6	9
	Likely 2	2	4	6
	Rare 1	1	2	3