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Subject : SPMT Assignment No.5

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I am considering a real-life problem to be a Weather Forecast app in which we will be having a risk assessment to find out **how sever** and **how much likelihood** is there of the risk to occur.

Following will be the Severity (Effect) and Likelihood (Probability) table by which we will Find out the Risk Matrix.

**Severity Level Table**

|  |  |  |
| --- | --- | --- |
| Severity Level (Verbal) | Rating (Numeric) | Description |
| Low | 1 | Minor impact, easily fixable, no major disruption. |
| Medium | 2 | Moderate impact, may cause delays or minor issues |
| High | 3 | Significant impact, cause major disruptions or failure |
| Critical | 4 | Catastrophic impact, jeopardizes project success |

**Probability Level Table**

|  |  |  |
| --- | --- | --- |
| Probability Level (Verbal) | Rating (Numeric) | Description |
| Rare | 1 | Unlikely to occur |
| Possible | 2 | May occur |
| Almost Certain | 3 | Likely to occur |
| Imminent | 4 | Almost certain to occur, immediate action needed |

|  |  |  |  |
| --- | --- | --- | --- |
| Risk Assessment Matrix | | | |
|  | Severity | | | |
| Probability | Critical - 4 | High - 3 | Medium - 2 | Low - 1 |
| Imminent – 4 | High (16) | High (12) | Serious (8) | Medium (4) |
| Almost Certain – 3 | High (12) | Serious (9) | Serious (6) | Medium (3) |
| Possible – 2 | Serious (8) | Serious (6) | Medium (4) | Low (2) |
| Rare - 1 | Medium (4) | Medium (3) | Low (2) | Low (1) |

**API Outage**: The app can't fetch weather data if the third-party API is down.

* **Severity**: High (3)
* **Probability**: Possible (2)
* **Assessment** : Serious (6)

**Data Breach**: Beta testers report that the location settings are confusing, making it hard for them to access accurate weather information.

* **Severity**: Critical (4)
* **Probability**: Almost Certain (3)
* **Assessment** : High (6)

**Slow Load Times**: The app loads weather data slowly, frustrating users.

* **Severity**: Medium (2)
* **Probability**: Medium (2)
* **Assessment** : Medium (4)

**Minor UI Bug :** A minor UI bug is found, where an icon is misaligned but does not affect the functionality.

* **Severity**: Low (1)
* **Probability**: Possible (2)
* **Assessment** : Low (2)