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SE Experiment 8

SE - Experiment - 8

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Aim: To create a RMMM plan. Create Risk assesment template for a case study.

Theory:

Risks:

- Compatibility issues accross various devices & OS.
- Poor quality Documentation.
- Under Estimating Data Size of user Data & interaction
- absence of clear monetization strategy.
- lack of structured change control process
- Change in requirements
- Lack of Development Experience
- deviation from Software standards.
- late delivery
- Significant Evolution of customer requirement while developm

Risk Table:

Risk	Category	Prob	Impact
Compatibility issue	TI	75	1
Poor documentation	BU	75	1
under Estimate Data Size	PS	70	2
cutoff			
unclear Monitizat^ Strategy	BU	45	2
change in Requirement	PS	35	2
Lack of dev Exp	TI	20	3
late delivery	BU	20	4
change of Busness Req.	CR	15	4

Risk for RMMM: under Estimating Data size for user Data & unter action.

RE (Risk Exposure) : Prob of Risk x impact of Risk

RE = 0.7 x $50,000
RE = $35,000

Conclusion:
We success fully created A RMMM Plan.

Risk Id : 10001010DBS	Date: 15/02/2024	Probability : 80%	Impact: High

Description: Underestimating the necessary database size could lead to potential performance issues, data loss, or system crashes due to insufficient storage capacity.

Refinement/ Context:

1. Subcondition1: Initial user base and the reach of the app was underestimated with incorrect estimation of user base size.
2. Subcondition2: The design of system was calibrated to cater to 100000 request per second which might be less than the current request rate.
3. Subcondition3: The amount of media uploaded is unrestricted leading to overflowing memory and loss of uploaded media and affecting the application features.

Mitigation / Monitoring:

1. A team of few members to actively monitor the growth rate of the database.
2. Develop an algorithm to predict the time before capacity overflow of database
3. Implement data limits on users to limit the amount of data being uploaded by the user

Management/ Contingency plan / trigger:

1. The team cost approximates INR 1, 20, 000 given a team of size 3 and hiring new developers who can develop the algorithm to monitor and predict the data overflow date.
2. For maintaining Cloud services to altogether avoid the given situation the total cost incurred will be INR 4, 00, 000.

Current Status:
Mitigation steps initiated.

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