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| 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. | | | |
| Originator: Darshit , Gaurang Assigned: Amartya , Shubham | | | |