

SE 216 – SOFTWARE PROJECT MANAGEMENT
PROJECT RISKS DOCUMENT

PROJECT NAME: LIKE

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LIKELIHOOD RANK	RISK DESCRIPTION
1	Budget limitations - Our project has a lot of features which requires a high budget. We may encounter budget problems, due to any miscalculations or unexpected expenses. Also, possible disagreements with advertisers and investors may cause budget problems.
2	Database management - Since there is new media content, user feedback, analytics data created every day, our databases are constantly growing. And this creates issues such as schema design complexity, data integrity issues, performance bottlenecks.
3	Data security - Every user has personal data in our application. That means they give the app every credit card information, personal information and contacts.
4	Data collection - In our project, there may be situations such as inability to access data sources while web scraping or having incomplete or inaccurate datasets.
5	Legal issues and regulations - Since our project will be used worldwide, it will be restricted by many regulations across continents and countries, each with its own set of laws and codes, given that we will utilise web scraping mechanisms.
6	Hardware management - Since LIKE has a large user base and a vast amount of data, adapting to the growing database with the existing hardware framework can be an issue.
7	Testing - There may be critical scenarios or functions that are not efficiently tested. This situation can lead to the application encountering unexpected errors.
8	Debugging - Debugging challenges may occur due to integration issues, inexperienced development team, or code complexity.
9	Machine learning model accuracy - The model may not accurately predict user preferences due to the issues with data quality, algorithm efficiency.
10	Training - If the training is of poor quality or insufficient, it can lead to the developers learning incorrectly and being unable to produce efficient programs.

IMPACT RANK	RISK DESCRIPTION
1	Data security - In case of any system vulnerability, users' trust in the application may be shaken. In some cases, we may face some legal consequences.
2	Legal issues and regulations - Not following the regulations could lead to serious problems like legal fines and damage to our project's reputation. It also risks project deadlines and objectives.
3	Budget limitations - Possible budget problems affect the sustainability of the project and development of some features. Moreover, it may prevent the project from continuing.
4	Machine learning model accuracy - If machine learning is not fully implemented it may lead to inappropriate recommendations, resulting in user dissatisfaction.
5	Database management - These problems could make it more difficult to store, manage, and analyse data efficiently, which could have an impact on the LIKE's overall functionality and speed.
6	Data collection - These risks can affect the accuracy and relevance of LIKE, which leads to user dissatisfaction.
7	Hardware management - Insufficient capacity or resources to manage the traffic and data load during peak usage periods can lead to performance issues and server interruptions.
8	Testing - Any oversight in testing may result in release of buggy features and negatively impact the user experience.
9	Debugging - Unsolved bugs can lead to functionality disruptions and potential setbacks in project timeline.
10	Training - Insufficient training may result in delays, errors in project executions.

LIKELIHOOD RANK	IMPACT RANK	COMBINED RANK	RISK DESCRIPTION
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3	1	4	Data security - A possible leak of information puts our project at risk. In particular, the shaking of users' trust and legal processes pose a great danger to the development of our project.
1	3	4	Budget limitations - We may encounter risks in our project due to budget, advertiser, and investor problems. These risks may affect the sustainability of our project.
2	5	7	Database management - Database management risks have a high impact on our project due to the constant expansion of large databases with new content and feedback.
5	2	7	Legal issues and regulations - Legal issues and regulatory challenges have a high impact on our project due to the global nature of our mobile app and the risks associated with web scraping mechanisms.
4	6	10	Data collection - Incomplete and inaccurate data has a high impact on LIKE's accuracy and relevance.
6	7	13	Hardware management - Hardware related issues may result in decreased performance which impacts user experience.
9	4	13	Machine learning model accuracy - Inappropriate recommendations may lead to user dissatisfaction.
7	8	15	Testing - Testing risks may result in the release of buggy features, leading to unexpected errors and negatively impacting the user experience.
8	9	17	Debugging - Unsolved bugs can have a significant impact on our project, potentially causing functionality disruptions and delaying project timelines.
10	10	20	Training - Delays and errors may occur due to training risks affecting the overall progress and quality of the LIKE.