NFT - Risk Assessment

S.No	Project Name	Scope/feature	Functional Changes	Hardware Changes	Software Changes	Impact of Downtime	Load/Volume Changes	Risk Score	Justification
1	News Tracker Application v1	New	High	No Changes	Moderate	Considerable time taken to insert into DB	No Changes	ORANGE	Adding this feature makes is coherant with features like adding group and hence, functional changes is high
2	News Tracker Application v2	Existing	Moderate	No Changes	Moderate	Faster DB operations	No Changes	ORANGE	Updated SQL statements for faster DB operations

NFT - Detailed Test Plan

S.No	Project Overview	NFT Test approach	Assumptions/Dependencies/Risks	Approvals/SignOff
1	News Tracker Application v1	Load testing	Locust installed, app deployed with docker	
2	News Tracker Application v2	Stress testing	Locust installed, app deployed with docker	
3	News Tracker Application v2	Spike testing	Locust installed, app deployed with docker	
4	News Tracker Application v2	Reliability testing	Locust installed, app deployed with docker	

End Of Test Report

S.No	Project Overview	NFT Test approach	NFR - Met	Test Outcome	GO/NO-GO decision	Recommendations	Identified Defects (Detected/Closed/Open)	Approvals/SignOff
1	News Tracker Application v1	Load testing	Failures	Number of failures spikes from 0.3 to 0.9 with increase in number of users from 70 to 100	GO	Provide checks from input value before inserting into database	Bad request error on adding expense without primary, required rows	
2	News Tracker Application v2	Stress testing	Response time	Increases from 3100ms for one user to 19000ms for 20 users	GO			
3	News Tracker Application v2	Spike testing	Response time	Varies from minimum if 1367ms and maximum of 25609ms for a specific feature of adding expenses	GO			
4	News Tracker Application v2	Reliability testing	Number of failures	41% failures with adding expense with spike in user data and incorrect input values, but maintained average of 13000ms response ti	GO	Provide checks from input value before inserting into database	internal server error on adding expense without primary, required rows	