RISK ANALYSIS TABLE for UrbanKey

!!!! Please specify the location: THE RISK ANALYSIS IS RELATED TO A SPECIFIC AREA !!!!

Last Update: Wednesday, February 7tl									
Ranking	Threats (1)	Vulnerabilities (2)	Contextual factors	Risks (3)	Likelihood from 1 to 5	Impact from 1 to 5	Reduction of Threats (Acceptance Strategy)	Reduction of Vulnerabilities (Protection Strategy)	Level of residual Risk
20 - Critical	Technical complexity in integrating ReactJS, Pythong, and MongoDB	High level of complexity in integrating diverse technologies	Project scope and technical requirements	Compatibility issues and potential delays in development	5	5	Regular code reviews and pair programming to ensure compatibility	Ensure thorough documentation and knowledge sharing among team members	High
10 - Medium	Inadequate expertise in ReactJS, Python, or MongoDB among team members.	Limited proficiency in key technologies	Team composition and skill distribution	Delays or subpar implementation due to lack of expertise	3	5	Allocate time for self-study and skill enhancement	Facilitate knowledge exchange and organize training sessions	Medium-High
12 - High	Unforeseen changes in project requirements	Evolving project requirements	Project stakeholders and external dependencies	Scope creep and disruption of project timeline	4	4	Implement Agile methodologies for flexible adaptation	Maintain open communication channels with stakeholders and sponsors	Medium
12 - High	Security vulnerabilities	Weaknesses in system defenses	Project infrastructure and data sensitivity	Unauthorized access, data breaches, or system	3	5	Regular security audits, encryption protocols, and secure	Implement multi-layered security measures and access controls	Medium-High
10 - Medium	Data loss or corruption	Inadequate data backup and recovery mechanisms	Data storage and system reliability	Loss of critical data, system downtime, or compromised	4	5	Implement regular backups, redundancy measures, and	Automate backup processes and ensure data rendundancy	Meidum-High
8 - Medium	User acceptance and adoption	Resistance to change or unfamiliarity with system	User community and training resources	Low adotpion rates, dissatisfaction, poour user experience	3	5	Conduct user testing and feedback sessions, and provide comprehensive training.	Implement user-centric design principles and usability testing	Medium-High