

## Product Backlog Agile Risk Risk Register Project: Mega City Commuter Application Development

#	User Story	Cause	Event	Impact	Risk Owner	Probability Risk Rating	Impact Risk Rating	Risk Score	Trigger	Response
1		Dependency on third- party traffic data systems	Failure to deliver route withing 15 seconds	Delays in user route planning, reduced adoption	Development Team	4	4	15	Route calculation exceeds 15 seconds	Implement fallback data sources and caching mechanisms
2		Complex integration with diverse state emergency systems	Incompatibility or delays in alert delivery	Commuters miss critical alerts, regulatory non-compliance	Development Team	3	5	15	Alerts fail to display during testing	Engage state agencies early to define APIs; test integrations in sprint 1
з		Privacy requirements for anonymixing user data	Failure to comply with privacy regulations	Legal issues, user distrust	Development Team	3	3	9	Privacy issues flagged in testing	Apply privacy-by design principles; consult legal team in sprint 1
4		Ambigous or invalid user input	Input validation fails, causing app crashes	Poor user experience, reduced reliability	Development Team	2	2	4	App crashes during input testing	Implement robust input validation and user prompts
5		Differences in Apple/Android platform requirements	App fails to deploy or update correctly on one platform	Inconsistent user experience across devices	Development Team	2	2	4	Deployment errors reported in app stores	Test across multple devices and OS versions in sprint 2
Current	Current as of: 07/25/2025					Total Ri	sk Score	47		

Probability Risk Rating	Impact Risk Rating
5: High	5: High
4: High to Moderate	4: High to Moderate
3: Moderate	3: Moderate
2: Moderate to Low	2: Moderate to Low
1: Low	1: Low