AccessMap

RISK ASSESSMENT AND MITIGATION PLAN

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Incomplete data collection

Likelihood: Medium 🟠

Impact: Very High 🔴

❗ Difficulty maintaining reliable, detailed data about sidewalks, curb heights, ramps, etc. in major cities.

💡 **Migitation plan**
➡️Collaborate with city departments for official data on newly built or updated infrastructure.
➡️Enable real-time obstacle reporting and validation by community moderators.
➡️Perform periodic data reviews and cross-checks to ensure accuracy, especially in high-density areas.

Insufficient User Adoption

Likelihood: Medium 🟠

Impact: High 🔴

❗ People with disabilities or parents with strollers may be unaware of or hesitant to adopt new apps.

💡 **Migitation plan**
➡️ Partner with disability advocacy groups, parent networks, and local NGOs to demonstrate app value and gather feedback.
➡️ Use social media, local events, and workshops to inform potential users, focusing on real-world success stories and testimonials.
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Team and Funding Constraints

Likelihood: Medium 🟠

Impact: Medium 🟠

❗ Limited budget, limited team size could delay feature development or city expansions.

💡**Migitation plan**
➡ Direct available funds first toward core features (precise navigation and real-time updates) and city scanning, before expanding the community platform.
➡ Task Delegation: Assign clear priorities to critical functions and outsource non-core tasks if needed.

Performance Issues

Likelihood: Medium 🟠

Impact: High 🔴

❗ Potential server overload or slow response times when usage peaks.

💡**Migitation plan**
➡ Continuously run stress tests to ensure stable performance with up to 10,000+ concurrent users.
➡ Implement monitoring (e.g., alerts and dashboards) to quickly detect and address performance bottlenecks.

Delays in Mapping and Scanning

Likelihood: Low 🟢

Impact: High 🔴

❗ Challenges in quickly scanning and updating a few major cities to create a detailed database.

💡**Migitation plan**
➡ Focus on major pedestrian corridors and high-traffic points of interest first (e.g., central districts, popular tourist locations).
➡ Start with a very limited number of cities, refining methods before scaling to additional locations.
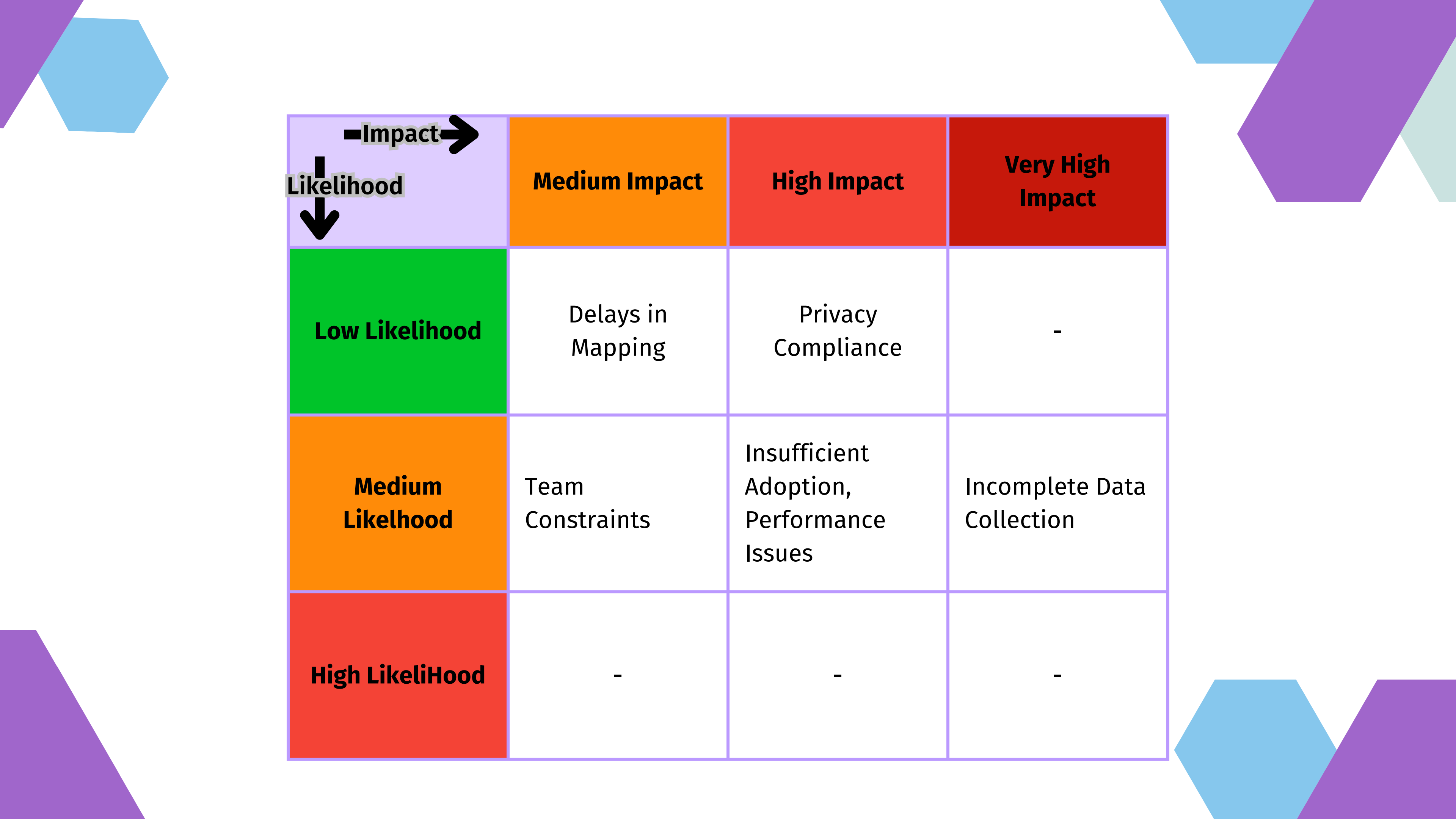
Privacy and Legal Compliance

Likelihood: Low 🟢

Impact: High 🔴

❗ Handling location data and personal information could raise GDPR concerns.

💡**Migitation plan**
➡ Provide transparent information on data handling practices, ensuring user trust.
➡ Store obstacle reports anonymously or in pseudonymized form, avoiding collecting sensitive personal data.

Impact → ↓ Likelihood	Medium Impact	High Impact	Very High Impact
Low Likelihood	Delays in Mapping	Privacy Compliance	-
Medium Likelhood	Team Constraints	Insufficient Adoption, Performance Issues	Incomplete Data Collection
High LikeliHood	-	-	-