ID	Description	Associated Feature	Probability	Impact (weeks)	Risk Exposure (weeks)	First Indicator	Mitigation Approach
1	Large number of clients may cause issues generating risk efficiently against weather data	Assigning risks to devices	0.7	2	1.4	Team struggles to find way to send all geolocations through risk algorithm	We are planning to budget time to address large numbers of clients. Code will have to be implemented in a manner that can efficiently make requests and render information.
2	Displaying crowded mixes of low and high risk areas.	Web App (Map)	0.5	1	0.5	First time we display a large amount of crowded devices of variable risk.	Improve view implementation to display large number of devices more appropriately.
3	Risk algorithm based on weather does not provide an accurate risk assessment	Showing risk levels	0.2	1	0.2	Risk on the map does not accurately represent the current weather pattern's danger level.	Take the necessary time to calculate a proper algorithm by studying up upon weather patterns and other aspects of risk factor.
4	Database Schema may need modifications to enable proper risk level generation	Showing risk levels	0.4	1	0.4	Risk algorithm requires persisting of information	Plan thouroughly ahead for risk algorithm. We are adding time to our schedule to accomadate downstream changes that the algorithm might bring.
5	Push notifications are not reliable	Mobile	0.1	1	0.1	Push notifications are not being recieved during testing	Lots of resources are available to make sending push notifications easy and more reliable. We will utilize these resources to avoid running into issues and make development easier.
6	OAuth Client for the mobile app may more complex than intitally thought	Mobile	0.2	1	0.2	Solution is hard to follow or very obvious it will take more time than expected.	Research plenty of options for apporaching it and plan on how to go about it the most efficient way possible.
7	Code to render dotmap is very complex	Showing devices/risk levels	0.4	1	0.4	Changes to dotmap are tough to implement	Attempt to refactor the page to be simpler and very well documented.