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	Web App (Map & List of all disasters/clients affected)	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	Running in to troubles learning iOS	Mobile	0.3	1	0.3	Team member unfamiliar with iOS needs to work on feature	Use Jake as a resource to lead mobile development and help other team members.
3	Using and learning PHP	Web App and APIs	0.8	1	0.8	Datto interactions, team decisions on technologies	Use Chris as a resource to help with best practices and learning PHP for this domain and application.
4	Laravel is difficult to use (confusing practices that need to be accustomed to)	Web App and APIs	0.2	1	0.2	Datto interactions, team decisions on technologies	Incorporate learning time after framework is chosen
5	Using third-party weather API introduces a large amount of extra work to implement rendering.	APIs/Web App/Mobile	0.4	2	0.8	Reading chosen weather API documentation	Research multiple weather APIs thouroughly before hand.
6	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.
7	Mock Data: Mocking existing Datto device database	Datto DB	0.1	1	0.1	Integration time - using real Datto system instead of mocks.	Get a table schema of Datto's devices table from Chris so that it matches as closely as possible.
8	Mock Data: Mocking /devices API that Datto will create to return devices + hit MaxMind (mocked) + specify JSON return format.	Datto endpoint does not exist - Datto will create this	0.2	1	0.2	Integration time - using real Datto system instead of mocks.	Very clearly define JSON spec, so that Datto implements exactly what we expect.
9	Mock Data: Mocking an OAuth server that Datto will create	Login + Datto OAuth server (does not exist)	0.7	2	1.4	Integration time - using real Datto system instead of mocks.	Follow OAuth standards as closely as possible.
10	Mock Data: Mocking MSP login data	Login + Datto DB (MSP table)	0.1	1	0.1	Integration time - using real Datto system instead of mocks.	Get a table schema of Datto's devices table from Chris so that it matches as closely as possible.
11	Having to switch weather tracking API based on risk algorithm	Show risk levels	0.2	2	0.4	Risk algorithm requires more information than weather tracking API provides	Spend extra time researching weather tracking options. Spend time early on thinking about what is needed for risk algorithm.