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	Using/exclusively developing using mocked data instead of real data to represent the devices	APIs	0.8	2	1.6	Application doesn't work as expected when switching to real data.	Working closely with Chris to ensure the mocked data matches the format of the real data.
8	Trouble working with Datto to integrate a OAuth implemention. OAuth is tightly coupled, the Service Provider (us) and ID Provider (Datto) need to know about each other.	Web App/Mobile	0.7	2	1.4	Team can't get a Datto employee to work with us who works on the OAuth login	Continuously mention the team's need for an employee's time to work on this.
9	With new API design, device database could be out of sync with Datto device database, if our APIs aren't called on every device delete and creation	APIs/DB	0.25	2	0.5	Data is not consistent after an update.	Work with Chris. If a mock database is created with devices (current team assumption), we need access to that database so that we can periodically compare the two databases and ensure they are in sync.
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.