

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	Chosen PHP Framework is difficult to use (confusing practices that need to be accustomed to)	Web App and APIs	0.6	1	0.6	Datto interactions, team decisions on technologies	Incorporate learning time after framework is chosen
5	Using unknown customer data API	APIs/Web App/Mobile	0.2	0.5	0.1	Learning about API from Datto	Use Chris as a resource
6	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 thoroughly before hand.
7	Displaying crowded mixes of low and high risk areas.	Web App (Map)	0.5	1	0.5	Showing the customer views.	Carefully plan out mocks to make sure information is shown in a way that the sponsor approves.
8	Using mocked data instead of real data	APIs	0.3	2	0.6	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.
9	Addition of weather view into the system	Web App (Map)	0.3	2	0.6	Difficulties implementing weather map into application	Ensure that the chosen Map rendering tool and Weather API will allow weather (clouds and patterns) to be visually drawn on the Map
10	Trouble working with Datto's login API/process. Our app needs to know the MSP user is logged in and allowed to hit our APIs (will Datto implement an OAuth system?)	Web App/Mobile	0.3	1	0.3	Datto gives the team login API info	Attempt to receive login process information early on from Datto, leaving enough time to resolve conflicts and negotiate solutions to any conflicts.
11	Updating the Device table with new ones, or removing them without downtime.	Web App/Mobile	0.3	1	0.3	Data is not consistent after an update.	Find a better solution.
12	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.
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