

Group 13

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Usability Scenario Prototype

The prototype program will demonstrate connectivity with external API's, and a basic user to access and manipulate this data.

The user starts the program by opening the webpage that the application lives on. This will lead user to the front-end web design for the application that will serve as an interface between the user and the actual data.

The data will be a combination of all different types of data, not exclusively weather data. An example of this would be the count of volcano eruptions. This would allow the user to compare how the weather may have had an effect on volcanic eruptions for the year. Another example would be a more business-centric data point like sales of hot dogs. Perhaps as the weather goes down, hot dog sales go down with it, which the user might be interested in.

Data available in system database would be a combination of weather data mined from open source weather database and data inputted by the user. The latter will most likely be something the company would find useful being compared to the weather, like in the previous examples.

The system should provide login credentials in order to protect user's business data supplied to the system. User will compare their business data with weather data and make business decisions. The visual representation of this comparison will take the form of two graphs overlaid on top of each other. This way user can clearly see how weather have impact on their business factors.

Another big part of the application is the "help" section, which assists the user in navigating around the application. If user don't understand how to do something, simply access this resource and can do his/her tasks.

Widgets will provide the necessary tools to perform useful requirements when analyzing data. This may include sharing or exporting analyzes to third parties, a company data interaction widget for internal use, or an AI Analysis Widget that would ask the software to mine data to find useful trends for meaningful results.

Looking past the demo, we would like to include even more data or at least the option for different data sources. Also, a big accomplishment would be the inclusion of different options for graphs, so instead of just a line graph user could see the data in bar, pie, etc.