Rain Garden Inventory Responsive and Mobile Site

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**Introduction**

This project is to create a responsive website to allow the public to input their various rainscaping practices into a database and viewed on a map. In addition, their data will be calculated and capacity will be shown.

This inventory website is responsive and will change between desktop and mobile view automatically based on the parameters of the browser.

**Design Steps**

- We used a Google Fusion Table to collect all the data together and geotag the location of each input and map it on a custom Google Map.
- By using a Google Fusion Table, we do not have to edit the code in order to add additional data, it will automatically input the data given and tag it onto the map. This includes the data displayed on the site when selected.
- The page is built using HTML5, by applying active classes for tabs in the header and formatted to adjust between desktop and mobile view.

**Conclusion**

Given that the responsiveness of the site was created by another team, the implementation of data on the fusion table on the map took about 2 days of work.

This required in-depth knowledge of php, html and javascript in order to get the site to function properly, to add and display the data to the map.

**Background**

Rainscaping includes the use of sustainable landscape design and management to prevent polluted runoff from reaching water bodies by directing storm water to be absorbed by plants and soil. The Purdue Rainscaping Education Program provides training and resources on practices that can be installed in a residential setting or small scale public spaces project.

The purpose of this site is for rainscaping practitioners to add their practices on this map and view others, in order to maximize the reduction of polluted runoff.

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**Limitations**

- Users are unable to edit their own data once input, they would have to contact the administrator and inform them of the necessary changes to be made.
- The site functions better on Google Chrome or Safari.

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**Google Fusion Table**

- Welcome to Rain Garden Inventory
  You can view or add by right click rainscaping practices on the map below.

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**Acknowledgements**

The core of the site was built by a fellow Purdue Student Zhiyuan Zheng, Class of 2015.