Team Awesome

Solar Data Visualization

October 18, 2016

**Iteration 0 Project Planning**

Project Roles

Project Lead: Nic Isley

Design Lead: Jeremy Myser

Documentation Lead: Wade Gooch

Communication Lead: Jeremy Hendricks

Questions

1. What is this data reporting intended to be used for/to do?
2. What unit will savings created by this system be measured with?
   1. If savings are to be projected by cost, are the prices charged by the energy company accessible?
3. What are the results of the solar panel over-producing electricity?
4. Are there more than the previous 18 months of data in the data dump?
5. Should total savings be calculated taking into consideration cost of existing/future panels?
   1. Should maintenance of solar panels also be taken into consideration when calculating savings?
6. Over what spans of time would calculation of savings be desirable for?
7. With what formats and with what accessibility should be reports be generated?
8. What sort of interface/interactivity is envisioned for the application (i.e. web-based data dashboards)?
9. Does there need to be an option to export data visualizations into a portable file?
10. Given the existing data, what notable deficiencies in functionality/data visualization exist?
11. Will this data be utilized for projections at *new* locations?
12. Are there any performance requirements for this application?
13. Do the new data visualization capabilities and interface need to be integrated with the existing initial interface?
14. Did data collection begin for all of the sites at the same time?
15. Are there circumstances under which certain data should not be included in reporting/visualization?
16. Will there be a need for this system to be compatible with/used by other systems?
17. Who is the end user of this application?
18. Where will this project be hosted?
19. Will hosting impose technical limitations?
20. Can we expect to be able to add packages to the suggested Linux server?

To Do

Wade: Investigation on a technology stack that is developer friendly to MySQL.

Jeremy: Investigate the best combination of collaboration tools.