

Resilient Smart Gardens

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About RSG



California's Water Situation

The Enterprise Bridge over Lake Oroville.



July 20, 2011



August 19, 2014

Affects you how?

- \$\$ increase in fruits, nuts and vegetables
- residents are required to restrict their water usage
- humid air leads to increased wildfire season
- increased chance of high magnitude earthquakes

Ridiculously Resistant Ridge

Solution...

Smart Garden



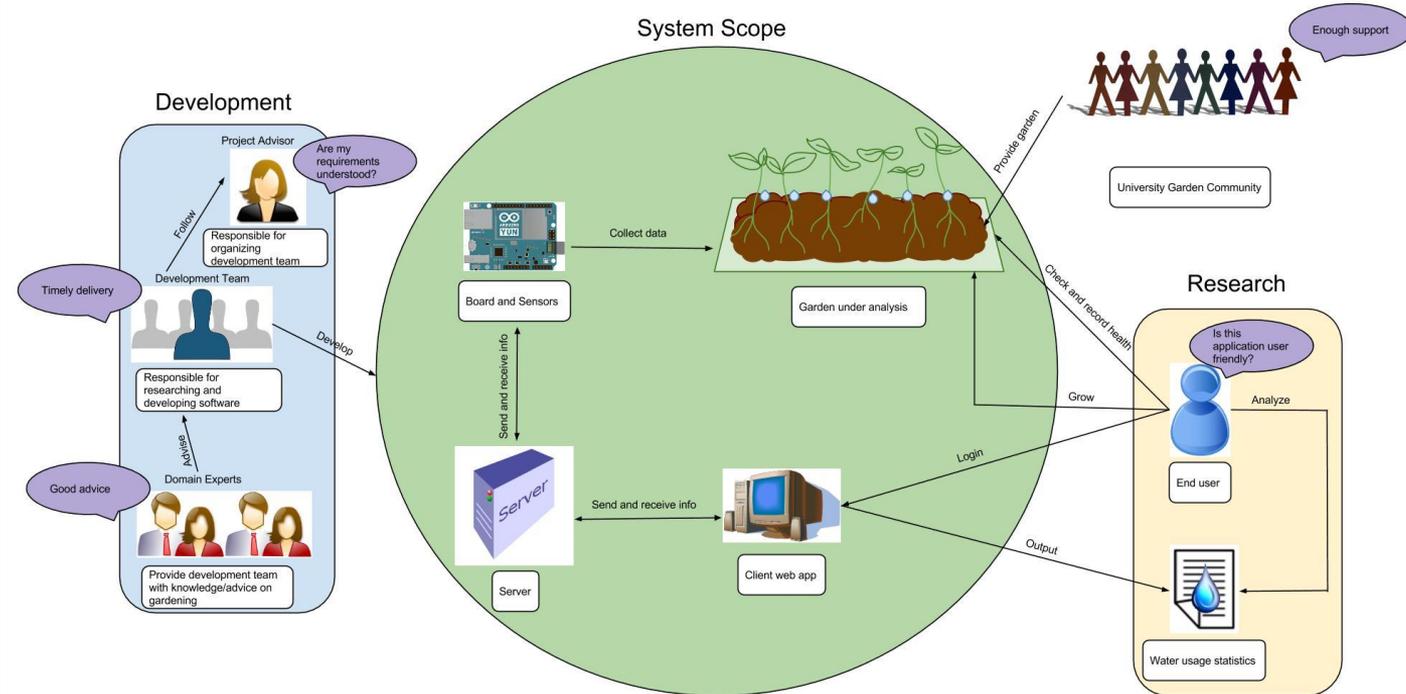
what could a Smart Garden do... ?

Development

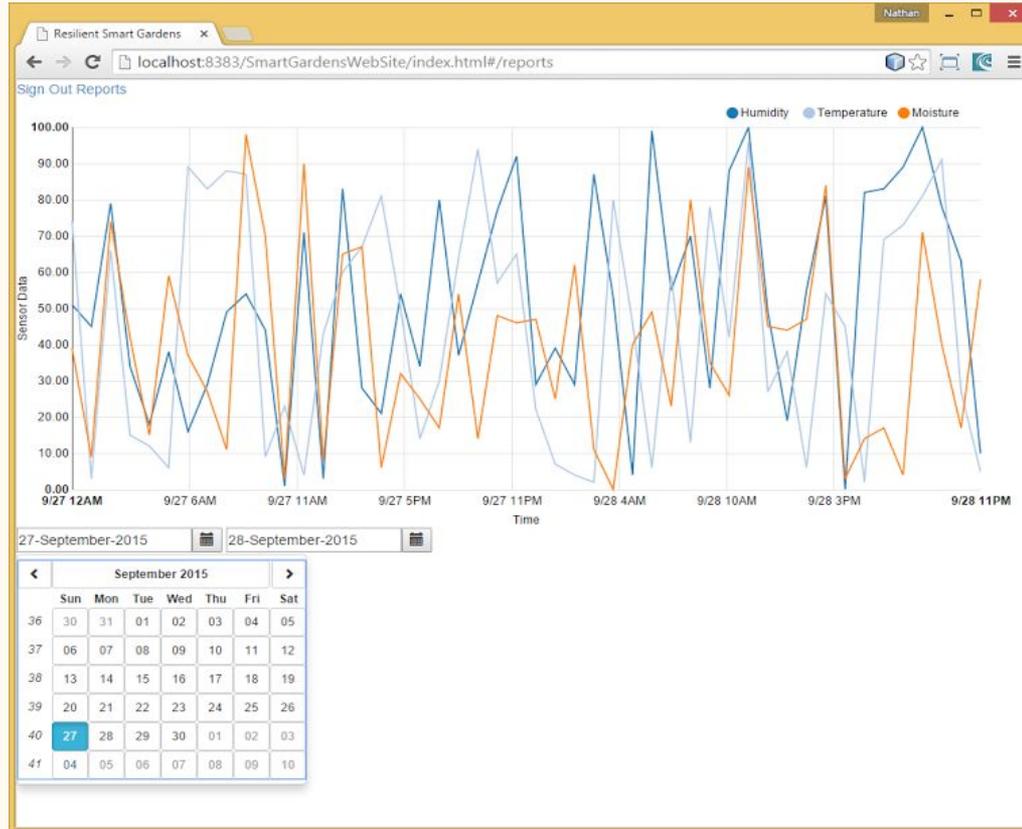
First Steps..

- Realizing the software and programs that were best for the system
- Understanding the botany of the system
- Establishing the hardware feature of our system
- Obtaining the desired plants

System Vision

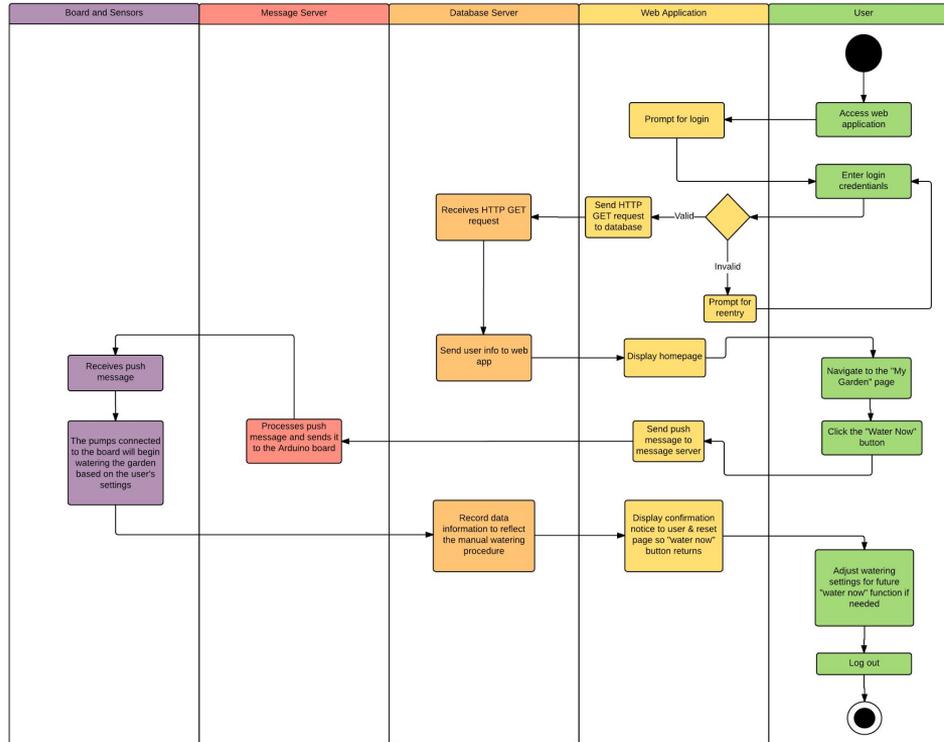


Graph Population



Pump Feature

Watering Garden on Command



Challenges

- A much wider scope than just the web application
- Learning to have a green thumb
- Getting delivered unusable components
- First full scale project

Smart Garden System



Check It Out

Future of RSG



Future Enhancements

Here are some of the features we wanted to add to the Resilient Smart Gardens system, but did not have enough time to do so.

- Discussion forum
- Autocomplete search
- Email verification
- Password change
- Allow users to have a profile
- Favorite plants
- Email notifications