SEADS

Front End

Brittany Arthur
Cassandra Gordon
Jason Heron
Kevin Stewart
Rita Valentine

What is our Project?

SEADS: Software and hardware for: monitoring, optimizing and understanding energy usage.

Frontend: Create website for users to manage SEADS devices and visually monitor usage.

Goals Achieved vs Planned

- ✓ Transition from PHP → Django
- ✓ Add functionality (e.g Visualize Data)
- ✓ Integrate backend API
- ✓ Polish it real good
- ✗ Visualize real time data
- ✗ Differentiate appliances with images

Challenges + Accomplishments

Learning Django → accomplished

Multi-Team Communication → brutal/challenge

Django site transition → accomplished

Getting the system to function → accomplished

Adding new features → accomplished

Technology

Version Control: Git / Github
Edit: SublimeText
Frameworks: Django, Bootstrap
Server: Gunicorn, Nginx, Ubuntu Server
Languages: Python, JavaScript
Magic: JQuery, Ajax, Moment.js, Google charts
Hardware: SEADS Plug

Things we….

Enjoyed

Learning Python/Django/Server+Client Application

Real Data with real API

External Sponsor

Didn’t Enjoy

Multiple/different time commitments

Work that didn’t directly apply to our project (?)

Lack of clarity in terms of expectations/timelines

Lessons Learned

Worked:

Version Control

Python (the one true god)

Inter-team/Intra-team communication (difficult but valuable lessons)

Broken:

Long meetings + wasted time

Burn-up Chart