

CprE 491 Weekly Report**May1610****Week 8(October 26, 2015)**

Project Name: Geospatial Mapping for Coverage Analysis

Advisors: Akhilesh Tyagi & Swamy Ponpandi

Client: John Deere (Benazir Fateh)

Group Members:

- Luke Milius - Team Leader
- Frankie Nelson - Team Key Concept Holder
- Sarah Ulmer - Team Webmaster
- Brenda Lopez - Team Database Leader
- Jake Caithamer - Team Communication Leader

Attendance:

- Luke Milius (3)
- Frankie Nelson (3)
- Sarah Ulmer (3)
- Brenda Lopez (3)
- Jake Caithamer (3)
- Swamy Ponpandi (1)
- Benazir Fateh (1)

<u>Team Member</u>	<u>Individual Accomplishments</u>	<u>Hours Contributed [week(total)]</u>
Luke Milius	Meetings, Started AWS server, installed postgresQL and postGIS, setup user accounts on the server, started to get local development environment set up	6(22)
Frankie Nelson	Meetings, Worked on design document	3(18)
Sarah Ulmer	Meetings, contributed to design document and website	3(18)
Brenda Lopez	Meetings and contribution to design document	3(19)

Jake Caithamer	Finished up the design document, attended meetings, prototyped some code for the first portion of our project, did some readings on Spring/Ajax/Git, and began setting up my local development environment	5(21)
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Accomplishments from last week:

- Completed our design document
 - Got feedback from our advisor and from our client
 - both seemed fairly happy with document
 - Client pointed out some organization text that we had forgotten to remove
 - Client also requested that we further elaborate on several sections, which we did before submitting the document
 - During our client meeting, we set a deadline of November 17th for our first demo
 - Demo will be over the first module over our project
 - client will come on-site to meet us and see our work
 - Began looking forwards to development and what we will need to do
 - Luke setup our webserver and database on AWS
 - Luke also helped us through setup and tutorials for setting up local dev environments and accessing our repository

Topics Discussed:

- Spent most of the time discussing the design document
 - Topics covered above, but primarily talked about how to rewrite certain sections
 - Also explored different options for document format, and again discussed when the document was actually due (still not clear, e-mail and syllabus are different)
- On Monday we talked a lot about Git and how to use it (some team members are not accustomed to it), as well as some more about how to structure our database and how well AWS will work out for us in the long term

Upcoming Week

- Complete setting up local development environments
 - Including Eclipse, Git, PostgreSQL, PostGIS, Apache, Java, Spring, and Hibernate
 - Set team members up with their own Git branches
- Begin development on our database and front-end modules
 - Need an interface, file parsing, database access, backend framework, and networking, among other things
- Explore ways to password-protect our project website