**Weekly Report for Week Ending 3/27/2015**

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# **Status Summary**

* After coming off of Spring Break, we continued working on setting up the server tools we need to complete our project and progressing through the code to debug how it handles data.

## Top Highlights

* Finished documenting which functions are in the ausglobe.js file.
* May affect architecture of the National Map if ideas are accepted and functional.
* Started learning PSQL and PostGIS

## Top Lowlights

* Low progress due to varying Spring Break activities.
* Several members of our team have other projects coming up in other classes, which will make time management more important than ever.

# **Accomplishments vs. Plan**

* Continue exploring National Map code
  + Owners: Jordan, Ted
  + Goal: Determine how National Map handles JSON/GeoJSON
  + Goal: Determine what parts of the National Map source code our modules will need to interface with
  + **In progress**
* Document which parts of Ausglobe.js come from which files
  + Owner: Jordan
  + **Complete**
* Learn QGIS
  + Owners: Sean, Eric
  + Goal: Learn how the tool works and possibly get some data formatted
  + **In progress**
* Continue Learning Geoserver
  + Owners: Sean, Eric
  + Goal: Understand more about Geoserver
  + **In progress**
* Properly set up a PostgreSQL database
  + Owners: Sean, Eric
  + Goal: Have a PostgreSQL database
  + **In progress**
* Set up PostGIS with PostgreSQL
  + Owners: Sean, Eric
  + Goal: Have a working PostGIS implementation
  + **In progress**

# **Goals for Next Week**

* Update Project Spec Document Section 6
  + Owner: Team
  + **On hold until needed**
* Continue exploring National Map code
  + Owners: Jordan, Ted
  + Goal: Determine how National Map handles JSON/GeoJSON
  + Goal: Determine what parts of the National Map source code our modules will need to interface with
  + Goal: Set up files that build ausglobe.js in a way to allow for tracing how the code handles data
* Learn QGIS more completely
  + Owners: Sean, Eric
  + Goal: Learn how the tool works and possibly get some data formatted
* Continue Learning Geoserver
  + Owners: Sean, Eric
  + Goal: Understand more about Geoserver
* Properly set up a PostgreSQL database
  + Owners: Sean, Eric
  + Goal: Have a PostgreSQL database
* Set up PostGIS with PostgreSQL
  + Owners: Sean, Eric
  + Goal: Have a working PostGIS implementation
* Set up a server with these PSQL implementations

## Risks

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **ID#** | **Status** | **Risk** | **Owner** | **Probability/ Priority** | **Impact** | **Trigger** | **Recommendation / Resolution** |
| R001 | Available,but not moved to it | Will need to move to an encrypted github later. | Team | 100% / Medium | Might recreate the setup process later in the project and cause a bottleneck. | Need decision in  2 weeks | Iman told us he will work on getting this set up for us this week. We are sending him Github usernames. |
| R002 | In Process | Constant National Map updates may break our project. | Team | 10%/Low | Our project may need to be adjusted to input the data into the map in new ways. | Continuous throughout the semester. | We are forking a copy of the national map that we can update as we test. It seems the formats should be set well enough so this has less chance of occurring. |
| R003 | In Process | We may not ever understand the code enough to process the data correctly | Team | 30%/Medium | Possibly not meeting deliverables | Continuous | We may need to spend overtime understanding the application |
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## Issues

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **ID#** | **RID#** | **Status** | **Issue** | **Owner** | **Due Date** | **Impact** | **Recommendation / Resolution** |
| I001 |  | Complete | Meeting schedules | Team | 1/31/2015 | May each have to adjust our schedules slightly to accommodate our project. | Created Google calendar where we can all share our schedules |
| I002 |  | In Progress | Ability to download already formatted datasets from National Map | Team |  | Slows our progress down as we are not able to analyze what they have done. | Project mentor will get back to us and we will be hearing from an engineer on the map |
| I003 |  | In  Progress | Learning QGIS data formatting tool | Team |  | Will slow us down a-bit until we learn how to use the tool | Will start learning how to use the tool this week |
| I004 |  | In Progress | Learning Postgres  and Post-GIS | Sean  and Eric |  | Will slow us down slightly depending on the rate at which we learn this. | Learning process begins this week |
| I005 |  | In Progress | Setting up PostgreSQL and Post\_GIS | Sean  and Eric |  | Will slightly slow us down as our data won’t be in the correct format for the map to process | Research on how to properly set up a PostgreSQL database |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Project Success Indicator** | 1/31/14 | 2/7/14 | 2/14/2014 | 2/21/2014 | 2/28/2014 | 3/7/2014 | 3/14/2014 | 3/21/2014 | 3/28/2014 | 4/4/2014 | 4/11/2014 | 4/18/2014 | 4/25/2014 | 5/2/2014 |
| Planned milestone events are being met | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** |  |  |  |  |  |
| Budget is under control | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** |  |  |  |  |  |
| Quality control results are within specifications | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** |  |  |  |  |  |
| Change control process indicates minimal requests for change | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** |  |  |  |  |  |
| Project resources are being supplied per schedule and skill levels are adequate | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** |  |  |  |  |  |
| Project team appears to be cohesive and reasonably happy | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** |  |  |  |  |  |
| Users seem satisfied with progress of the work | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** |  |  |  |  |  |
| Top management remains visibly supportive of the project goals | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** |  |  |  |  |  |
| Third-party vendors are delivering quality items on schedule | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Risk events are under control and nothing unusual is appearing | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** |  |  |  |  |  |
| Project training program is progressing according to plan | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** |  |  |  |  |  |
| Relationships with support groups appear to have no identifiable issues | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** |  |  |  |  |  |