# Dendreon Sample Submission Tracking Database Progress Report ThirdHelixCoders, LLC

The application is accessible through the sea11heptagon homepage: <http://sea11heptagon/>   
Note: Currently, all email traffic is directed to [sletarte@dendreon.com](mailto:sletarte@dendreon.com) (for debugging purposes)

## Application Flowchart:

**D**

**B**

**C**

**A**

Group Dispatch Queue

Results Review and Acceptance by Submitter

Analysis and Results Recording

Standardized Sample Set List Submission Form

Reporting

Sample List Details View

Database Administration Console

1. Sample Set List Submission Form
   1. Status: Complete
   2. Description: all of the necessary info required by the analyst in order to run the samples are captured and stored into a fully normalized SQL table.
2. **A**
   1. Status: Complete
   2. Description: Once a Sample List is submitted, the group to whom it was submitted is emailed, and the submitter cc’d. A link to the dispatcher is included in the email
3. Group Dispatch Queue
   1. Status: Complete
   2. Description: Anybody from the group (Proteomics, Protein Analytics, etc.) may go to their group’s Dispatch Queue, review the submissions, and accept, reject, or assign to another analyst.
4. **B**
   1. Status: Complete
   2. Once Accepted or Rejected, an email goes out to the Analyst to whom it was assigned and the Supervisor of that analyst and the original submitter are included as CC’d. The email includes a link to the Sample Set Analysis page.
5. Analysis and Results Recording
   1. Status: 95% complete. Needs review by Simon.
   2. Description: On this page, the analyst will enter the “results type”, the “location of the results” (directory on the shared folder, etc.), any comments about the samples/observations, and the measured concentrations for each sample in the list (on the spreadsheet). When they have completed the analysis, they click the “completed” button.
6. **C** 
   1. Status: complete
   2. An email goes out to the submitter (and the analyst’s supervisor cc’d) notifying him that the analysis on his samples have been completed and to visit the sample list review page to see the results and acknowledge completion.
7. Results Review and Acceptance by Submitter
   1. Status: **50% complete**
   2. Description: The submitter comes here to review the results of the analysis. Once he/she is satisfied with the results, they click the complete button.
8. **D** 
   1. End.
9. Sample Set Submission Review
   1. Status: Complete
   2. Description: On all of the aforementioned pages, there is a link to this page which displays all of the parameters specified by the submitter when he submitted the request for analysis. They are not editable, but only for reference.
10. Database Administration Section
    1. Status: complete
    2. Description: Access to all of the database tables and records can be achieved through here. By it, you can add new users, projects, admin users, experiments, and assays to the system.
11. Reporting
    1. Status: not started.
    2. Description: A reporting dashboard that will offer various statistics (and charts) such as,
       1. How many samples were ran last week of type ForteBio?
       2. How many samples did Jason L. Run last month?
       3. How many assays did the Proteomics group do last month?
       4. On average, how long does it take to run X number of HPLC samples?

Total Time spent up to now: 74.75

Estimated time to completion: 19

Completing this project will likely use up all of the $8K budgeted for PO #25240. I’m very sorry for the bad news. This is about twice the cost of my original estimate. The reason it is taking so long is because of all the web technologies incorporated into the project. These include:

* Handson Table javascript library
* DataTables javascript Library
* jQuery javascript library
* jQuery UI javascript library
* PHP
* MySQL

Putting them all together for the unique functionality of this application has been a challenge, but definitely a rewarding one.

***To Do***   
accept, reject, **modify**   
Show all assays on autocomplete in handsontable (make drop down)  
\*ask submitter what characteristics of their sample they want to know (results type desired)  
On accept, tell submitter which assays we’ll run.  
Home – search for samples (using same search box)  
Hide results link until it has been reviewed  
review by supervisor, not submitter  
reviewer needs to enter his name  
On accept, tell submitter which assays we will run on his samples