Completed Work for the Week of 9/23/2013

The work below has been completed or progress has been made during the timeframe listed above.

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| Anticipatory Date | Item Description: | Additional Item Notes: |
| Continuous | Find resources relating to topic | Continuous search. PDF contents in “Resources” folder |
| Continuous | Begin code modifications and writing | Chose to convert from native PHP MySQL API to a PHP Data Object (PDO) API for flexibility and security reasons. |
| 9/30/2013 | Complete formal statement & scenario. Provide to first reader for analysis and approval. |  |
| 9/30/2013 | Research image processing technologies | PHP GD and Javascript seem to be good solutions to working with image manipulation. Leaning toward to client side Javascript to create thumbnails to upload. This will cut down on required server processing time and bandwidth consumption. |
| 10/14/13 | Rewrite comp proposal | Currently locating additional resources and beginning rewrite using provided template. Abstract writing to begin and complete this week. |

**Further Information:** I have continued reading the articles I provided earlier in the week and have finished configuring PHP GDI on the server. Determined a thesis title… “*Algorithmic Image Matching to Reduce Online Storage Overhead of User Submitted Images”*. Also researched security and performance issues regarding the topic and determined that the built in MySQL functions used in the found code are depreciated and must be upgraded. MySQLi and PDO APIs are available to replace the legacy functions and I determined PDOs are the best method of upgrade due to flexibility and security.

**Notes