**Construction Iteration 1 Time (Oct 1 – Oct 31 2008)**

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| **Requirements**  **/Analysis** | 1. **Elaborate further on view image functionalities** |
| **Implementation** | **1. Continue adding missing functionalities on Deploy Study implementation**   1. **Complete Manage Query Use Case** 2. **Complete GenePattern (Simple Interface)** 3. **A simple interface to NCIA to view images** 4. **Fix some bugs as well as UI usability for all functionalities above.**   **Details of implementation items are available at**  [**https://gforge.nci.nih.gov/tracker/?atid=2008&group\_id=507&func=browse**](https://gforge.nci.nih.gov/tracker/?atid=2008&group_id=507&func=browse) |
| **Other goals** | 1. **Update GForge with all pending features/implementation item** 2. **Get Development server online** 3. **Get QA server online** 4. **Involve QA team** |

**Construction Iteration 2 Time (Nov 3 – Dec 5 2008)**

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| **Requirements**  **/Analysis** | 1. **Analysis for integrating CopyNumber data in caIntegrator2** |
| **Implementation** | 1. **Simple KM Plot (Control Vocabulary)** 2. **Simple implementation of Survival Time Definition** 3. **Summary data based on probe set/Gene** 4. **Time-point Implementation** 5. **Design to handle multiple values for annotations from the same time-point** 6. **Bug Fixing and User Interface**     * **File Validation for annotation file – format etc.**    * **Asynchronous deployment of (1) deploy study (2) array data (3) image validation**    * **Validation of caArray experiment.** |
| **Other goals** | 1. **Testing by QA team** 2. **Start working with potential cancer centers for getting data/install caIntegrator2 on their environment** 3. **Start working to create a user community** |

**Construction Iteration 3 Time (Dec 8 – Jan 16 2008)**

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| **Requirements/**  **Analysis** | **Analysis for Saving Results to caIntegrator2**  **Analysis for integrating SNP data**  **Analysis for integrating Methylation data** |
| **Implementation** | 1. **Seamless Integration with GenePattern** 2. **Simple Integration GeWorkbench** 3. **Integrate CopyNumber Data** 4. **Create new data types to handle ranges of numbers, date, such as age or survival time (made into ranges for confidentiality reasons…)** 5. **KM Plot (Query)** 6. **Update Study** 7. **Browse Study** 8. **Add Users/Permissions – Study Admin** 9. **Bug Fixing and UI usability**     * **add context sensitive workflow**    * **Study Deployment Summary page - after Study deployment**    * **Array Annotation Definition** |
| **Other goals** |  |

**Next Construction Iterations**

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| **Requirements/**  **Analysis** |  |
| **Implementation** | 1. **SNP Data Integration – we need to decide how to store and query this data** 2. **Methylation Data – we need to decide how to store and query this data. JC has this data for Rembrandt samples.** 3. **Saving Results to caI2** 4. **Improvements to View Images** 5. **Survival Time Definition at Deploy Study** 6. **KM plot (Gene Expr)** |
| **Other goals** |  |