### **Elaboration Phase Assessment:**

Introduction:

Whenever the elaboration phase starts, it signifies the end of the Inception phase and the completion of project funding. The various task descriptions related to the project management has been briefly outlined and described for the LCAM assessment.

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| **Project Management:** | **Workflow Details** |
| Monitoring/Managing | Representation of the activities that are being carried in the project management, majorly the details of the workflow.   * Iteration Management * Controlling and Monitoring the Project   Since this project isn’t on a real big scale, the Project Manager doubles as the Test Manager and their workflow includes:  Acceptable Mission Achievement (workflow activities: [Reinforce, Access and Advocate Quality](http://www.cis.umassd.edu/%7Ejbergandy/process/activity/ac_tst_assadvqlt.htm), [Improve and Improvise Test Effort](http://www.cis.umassd.edu/%7Ejbergandy/process/activity/ac_tst_asststefr.htm))  The major document outputs are:   * Records of Review * [Iteration Assessment](http://www.cis.umassd.edu/%7Ejbergandy/process/artifact/ar_itass.htm) * [Status Assessment](http://www.cis.umassd.edu/%7Ejbergandy/process/artifact/ar_stass.htm) |
| Next Iteration Planning | This includes workflow details:   * [Next Iteration Planning](http://www.cis.umassd.edu/%7Ejbergandy/process/workflow/manageme/wfs_plan.htm) * [Developing Software Design Plan](http://www.cis.umassd.edu/%7Ejbergandy/process/workflow/manageme/wfs_sdp.htm) (Some scope change can be expected) * [Evaluation Mission](http://www.cis.umassd.edu/%7Ejbergandy/process/workflow/test/wfs_dfnevlmsn.htm) Definition (Activities related to Test Manager)   The major outputs obtained are:   * [Iteration Plan](http://www.cis.umassd.edu/%7Ejbergandy/process/artifact/ar_itpln.htm) – The overall second assignment has been updated based and relied upon the expected new functionalities during the upcoming iterations, improvising on the maturity of the product, mistakes realized, lessons learned from the previous assignment and trying to mitigate as many risks as possible. * [Software Design Plan](http://www.cis.umassd.edu/%7Ejbergandy/process/artifact/ar_sdp.htm) – Various plans under the software design are updated to reflect the latest requirements, changing scopes and risk issues. The Risk list has been revised to provide a simple description but covers all major risks. Additional risks have been identified and analysed * [Test Plan](http://www.cis.umassd.edu/%7Ejbergandy/process/artifact/ar_tstpl.htm) – Test Manager has done a significant work to reflect and update the mission test plan to add upon the testing for next iteration.   The various results obtained from the above processes, various iteration and status assessments are crucial in determining what change process will be required and the tools that will need to be updated if needed |
| **Requirements** |  |
| BookTrade Website Prototype Interface | This includes the BookTrade Website Design:  The user-interface of the Website BookTrade  The major output product is the BookTrade Website Design |
| Changing Requirements Management | Different discovery of various requirements and their improvisation and refinement goes on in elaboration.  The identified and required workflow detail is designated as: Changing Requirements Management |
| Refine the System Definition   * Set 1 Requirements * Set 2 Requirements * and it goes on | This includes the workflow detail [Refine the System Definition](http://www.cis.umassd.edu/%7Ejbergandy/process/workflow/requirem/wfs_refs.htm) (except for user-interface related activities, which are a separate task).  The major outputs obtained are:   * a [Use Case Model](http://www.cis.umassd.edu/%7Ejbergandy/process/artifact/ar_ucmod.htm) Requirements (Highest and prioritized detailing of the use cases) * Refined [Vision](http://www.cis.umassd.edu/%7Ejbergandy/process/artifact/ar_vsion.htm) and [Non-Functional Requirements and Specifications](http://www.cis.umassd.edu/%7Ejbergandy/process/artifact/ar_sspec.htm).   Requirements have been divided into various smaller sets to ease the processes as Ser 1 Requirements related to a topic and Set 2 Requirements related to some other topics. Organization of tasks are places in such a way that the use cases reflect the accurate scenario, composition and the detailed non-functional requirements. Specific issues and risks have been investigated. |
| **Definitive Architecture** |  |
| Candidate Architecture Definition | The workflow outlined is [Candidate Architecture Definition](http://www.cis.umassd.edu/%7Ejbergandy/process/workflow/ana_desi/wfs_and1.htm) |
| Structured Implementation Model | The workflow outlined is [Structure the Implementation Model](http://www.cis.umassd.edu/%7Ejbergandy/process/workflow/implemen/wfs_stim.htm). |
| Architecture Refine Process | The workflow outlined is Architecture Refine Process |
| **Support for Development** |  |
| Testing and Integration Support | Management and maintenance of the build environment, prioritization and selection of the builds test carries on.  The workflows outlined are   * [Build Stability](http://www.cis.umassd.edu/%7Ejbergandy/process/workflow/test/wfs_vldbldstb.htm) Validation * Baselines and Releases Management |
| Various Defect Fixings | Our Test Manager tries to fix the bad codes efficiently and effectively in a task that is difficult and ongoing and various development of features and components take place. |
| Components and Database Design and Development Components/Features   * Feature/Component 1 * Feature/Component 2 * and it goes on | A feature covers various tasks included in it and thus implements a scenario. Hence, the workflow details are outlined.   * [Components and Database Design and Development](http://www.cis.umassd.edu/%7Ejbergandy/process/workflow/ana_desi/wfs_and4.htm) * [Component](http://www.cis.umassd.edu/%7Ejbergandy/process/workflow/implemen/wfs_implc.htm) Implementation * [System Integration](http://www.cis.umassd.edu/%7Ejbergandy/process/workflow/implemen/wfs_insy.htm) * Evaluation and Testing * [Test Assets Improvement and Refinement](http://www.cis.umassd.edu/%7Ejbergandy/process/workflow/test/wfs_imptstast.htm)   Various other tasks are included as features, scenarios, or use-cases.  Various long and tedious tasks that consume times are divided as subtasks. For instance, into:   * Design – Prototyping may be included * Implement – Testing can be considered * Testing and Integration – Fixing various bugs in the codes can be included during Testing and Integration. |

The Gantt Chart Diagram has been presented below to represent our LCAM scenario performed by our various group members:

