**ITC303 – Team Orange Iteration Plan 1**

# **1. High Level Objectives/Milestones**

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| --- | --- | --- |
| **ID** | **Objectives** | **Date** |
| - | Iteration start | 13/03/2017 |
| 1 | Create Vision | 13/03/2017 |
| 2 | Create Initial Use Case Model | 13/03/2017 |
| 3 | Create Initial Domain Model | 13/03/2017 |
| 4 | Identify Critical Core Use Case[s] | 13/03/2017 |
| 5 | Identify Candidate Architecture / Technology Platform | 13/03/2017 |
| 6 | Establish Development Environments | 13/03/2017 |
| 7 | Establish Version Control and Methodology | 13/03/2017 |
| - | Iteration End | 27/03/2017 |
| 10 | Review Iteration | 27/03/2017 |

# **2. Work Item assignments**

The following Work Items will be undertaken in this iteration to complete the above listed Milestones:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Work Items** | **Measure** | **Outcome** | **Assigned** | **Completed by** | **Hours worked** |
| 1.1 | Vision Business Case | Business case is clear, address non-technical requirements, justifies the project, and identifies and defines stakeholders. | See [ProjectVision](https://github.com/csuproject/instantmessenger/blob/master/docs/InceptionIteration1/ProjectVision.docx) document sections 1, 2, 3, 4 & 5. | Murray | 16/03/17 | 4 |
| 1.2 | Initial Functional Requirements | Functional requirements are clear, address business needs and details software characteristics. | See [ProjectVision](https://github.com/csuproject/instantmessenger/blob/master/docs/InceptionIteration1/ProjectVision.docx) document section 6. | Shaun | 16/03/17 | 4 |
| 1.3 | Initial Non Functional Requirements | All important non-functional requirements clearly defined and justified against business needs. | See [ProjectVision](https://github.com/csuproject/instantmessenger/blob/master/docs/InceptionIteration1/ProjectVision.docx) document section 7.  See [NFR(Cost-Benifit-Justification)](https://github.com/csuproject/instantmessenger/blob/master/docs/InceptionIteration1/NFR(Cost-Benifit-Justification).docx) document. | Tim | 16/03/17 | 2 |
| 2.1 | Initial Use Case Diagram | Identifies end-goals and sub-functions and consistent with vision. | See [UseCaseDiagram](https://github.com/csuproject/instantmessenger/blob/master/docs/InceptionIteration1/UseCaseDiagram.pdf) document.  See [UseCaseRevision](https://github.com/csuproject/instantmessenger/blob/master/docs/InceptionIteration1/UseCaseRevision.docx) document. | Tim | 20/03/17 | 2 |
| 3.1 | Initial Domain Model identify and document Server/Admin Components | All domain objects identified, all NFR addressed and justified, shows relationships between objects, shown inheritance and composition. | See [DomainXMPPServerDomainDiagram](https://github.com/csuproject/instantmessenger/blob/master/docs/InceptionIteration1/DomainXMPPServerDomainDiagram.pdf) document.  See [DomainClassDiagram](https://github.com/csuproject/instantmessenger/blob/master/docs/InceptionIteration1/DomainClassDiagram.pdf) document. | Murray | 20/03/17 | 2 |
| 3.2 | Initial Domain Model identify and document Client Components | All domain objects identified, all NFR addressed and justified, shows relationships between objects, shown inheritance and composition. | See [DomainClassDiagram](https://github.com/csuproject/instantmessenger/blob/master/docs/InceptionIteration1/DomainClassDiagram.pdf) document. | Shaun | 20/03/17 | 2 |
| 3.3 | Initial Client Domain Model | Core ideas identified. | See [DomainClassDiagram](https://github.com/csuproject/instantmessenger/blob/master/docs/InceptionIteration1/DomainClassDiagram.pdf) document. | Tim | 20/03/17 | 2 |
| 4.1 | Critical Core Use Case List | Correctly identifies Critical Core Use Cases | Identified and Discussed with team, work item created for iteration 2 for documentation. | Tim | 20/03/17 | 2 |
| 5.1 | Identify and document Candidate Protocols and Architectures | Critical protocols and their mechanisms identified, implications explained and constraints identified; consistent with high priority NFRs. | See [CandidateArchitectures](https://github.com/csuproject/instantmessenger/blob/master/docs/InceptionIteration1/CandidateArchitectures.docx) document sections 1 & 2. | Shaun | 24/03/17 | 2 |
| 5.2 | Identify and document Candidate Server Platforms | Critical server components and their mechanisms identified, implications explained and constraints identified; consistent with high priority NFRs. | See [CandidateArchitectures](https://github.com/csuproject/instantmessenger/blob/master/docs/InceptionIteration1/CandidateArchitectures.docx) document section 3. | Murray | 24/03/17 | 2 |
| 5.3 | Identify and document Candidate Client API | Critical client components and their mechanisms identified, implications explained and constraints identified; consistent with high priority NFRs. | See [CandidateArchitectures](https://github.com/csuproject/instantmessenger/blob/master/docs/InceptionIteration1/CandidateArchitectures.docx) document section 4. | Tim | 24/03/17 | 1 |
| 6.1 | Identify and document suitable Development Environments | Development Environments will facilitate the software development requirements. | See [DevEnvironmentAndVersionControl](https://github.com/csuproject/instantmessenger/blob/master/docs/InceptionIteration1/DevEnvironmentAndVersionControl.docx) document. | Murray, Shaun, Tim | 24/03/17 | 2 |
| 6.2 | Install Development Environments on own computers | Team Members have environments installed and working. | Everyone successfully installed environments. | Murray, Shaun, Tim | 26/03/17 | 2 |
| 7.1 | Establish Version Control and Methodology | Version Control Systems and use Methodologies meet the needs software development requirements. | See [DevEnvironmentAndVersionControl](https://github.com/csuproject/instantmessenger/blob/master/docs/InceptionIteration1/DevEnvironmentAndVersionControl.docx) document. | Murray, Shaun, Tim | 26/03/17 | 2 |