**ITC303 – Team Orange E1 Iteration Plan**

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

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| --- | --- | --- |
| **ID** | **Objectives** | **Date** |
| - | Iteration start | 10/04/2017 |
| 1 | Setup server to handle “Create Account” use case | 24/04/2017 |
| 2 | Implement “Create Account” use case with Smack | 24/04/2017 |
| 3 | Implement “Create Account” use case with Babbler | 24/04/2017 |
| 4 | Implement “Create Account” use case with Emite GWT | 24/04/2017 |
| 5 | Implement core classes for “Create Account” use case (non client) | 24/04/2017 |
| 6 | Create Client Interface | 24/04/2017 |
| 7 | Decide on a client api to continue with for the remainder of the project. | 24/04/2017 |
| - | Iteration End | 24/04/2017 |
| 8 | Review Iteration | 25/04/2017 |

# **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 | Setup server to handle “Create Account” use case | Server handles “create account” use case | Server is working to connect to, create an account, and login with that account. [Server setup](https://github.com/csuproject/instantmessenger/blob/master/docs/Elaboration/OpenFire%20Setup.docx). [Screenshot of working server](https://github.com/csuproject/instantmessenger/blob/master/docs/Elaboration/Team%20Orange%20Server.png) | Murray | Murray | 5 |
| 2.1 | Setup development environment with Smack | A branch is set up on github that works with Smack | Smack [Branch](https://github.com/csuproject/instantmessenger/tree/Smack) Created. Smack environments configured with [Maven](https://github.com/csuproject/instantmessenger/blob/Smack/pom.xml). | Shaun |  | 4 |
| 2.2 | Implement Client Interface with Smack | SmackClient Class implements all current functionality of the Client interface | Not required, implement with Babble Build. | Shaun |  |  |
| 2.3 | Pass TestPlan1 with Smack branch | Smack branch can do everything required to pass TestPlan1 | [Test Script](https://github.com/csuproject/instantmessenger/blob/Smack/src/main/java/TeamOrange/instantmessenger/TestPlan1.java) and [Console Output](https://github.com/csuproject/instantmessenger/blob/Smack/docs/Elaboration/SmackConsole). See TestPlan1, test 1.1. | Shaun |  | 4 |
| 3.1 | Setup development environment with Babbler | A branch is set up on github that works with Babbler | Babbler [branch](https://github.com/csuproject/instantmessenger/tree/Babbler) can be loaded into eclipse and executed on different machines. | Tim |  |  |
| 3.2 | Implement Client Interface with Babbler | BabblerClient Class implements all current functionality of the Client interface | Current client interface is implemented by the [BabblerClient](https://github.com/csuproject/instantmessenger/blob/Babbler/src/main/java/TeamOrange/instantmessenger/BabblerClient.java) Class in the Babbler branch | Tim |  |  |
| 3.3 | Pass TestPlan1 with Babbler branch | Babbler branch can do everything required to pass TestPlan1 | All items in TestPlan1 are successfully met by the babbler branch. | Tim |  |  |
| 4.1 | Setup development environment with Emite GWT | A branch is set up on github that works with Emite GWT | Emite [Branch](https://github.com/csuproject/instantmessenger/tree/emite) created. Failed to build. Multiple [errors](https://github.com/csuproject/instantmessenger/blob/emite/docs/Elaboration/emite%20build%20errors.png). Suspect possible issue was Java 6 requirements. | Murray | Aborted | 2 |
| 4.2 | Implement Client Interface with Emite GWT | EmiteGWTClient Class implements all current functionality of the Client interface | Suitability due to GWT dependence questionable, esp. In view of errors found in task 4.1 | Murray | Aborted | \_ |
| 4.3 | Pass TestPlan1 with  EmiteGWT branch | EmiteGWT branch can do everything required to pass TestPlan1 | Not attempted (see 4.1 and 4.2) | Murray | - | - |
| 5.1 | Implement Contacts Class | Contacts Class is implemented | Turned out to be unnecessary at this stage. |  |  |  |
| 5.2 | Implement Self Class | Self Class is implemented | Turned out to be unnecessary at this stage. |  |  |  |
| 5.3 | Implement User Class | User Class is implemented | Turned out to be unnecessary at this stage. |  |  |  |
| 6.1 | Create Client Interface and define enough behavior to handle “Create Account” use case | Client Interface is defined, and satisfies all requirements of the “Create Account” use case | Client Interface has been defined and proven suitable for the Create Account use case. |  |  |  |
| 7.1 | Decide on a client api to continue with for the remainder of the project. | One of the 3 api’s has been chosen to continue using. | We have chosen the Babbler API to be used for the remainder of the project. It was a close call between Smack and Babbler, however Babbler has much better documentation, and has been designed and implemented in a more modern way. | All | - | - |