# Master Test Plan

Highest Priority Architectural Elements

1. Client API Architectural Element.

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| ID | Test 1 |
| Interation | Elaboration 1 |
| Objective | Test highlevel API function to allow project to choose API. |
| Risk item | 1, 7 |
| Arch. Element | Core XMPP Client Implementation API |
| Use Case | Create Account |
| Requirements | Eclipse IDE with API installed, working XMPP Server. |
| Description | Verifying different API will meet critical use case. |

1. Chat Architectural Element.

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| ID | Test 2 |
| Interation | Elaboration 3 |
| Objective | Managing contact within the Instant Messaging Service is critical as core functionality. |
| Risk item | 7 |
| Arch. Element | XMPP Roster and Account management. |
| Use Case | “View Chats” Use Case and “Chat” |
| Requirements | * Running XMPP Server. * Knowledge of XMPP Administration functionality. * Knowledge of core XMPP functionality. * Knowledge of Maven build tools. * IDE with XMPP Integration. |
| Description | The testing will allow the project to verify contact and channel access management can be achieved. |

1. Contacts Architectural Element.

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| ID | Test 3 |
| Interation | Elaboration 3 |
| Objective | Test “Add User To Contacts” and “View Contacts” Use Cases. |
| Risk item | CCRD UC 3 |
| Arch. Element | Contacts |
| Use Case | CCRD UC 3.1 “Add User To Contacts” CCRD UC 3.2 “View Contacts” |
| Requirements | * Users can request to add another user as a contact. * Users can accept a contact-add request. * Users can decline a contact-add request. * Users receive a notification when they receive a new contact-add request, or when their contact-add request is accepted. * Users can view all of their contacts. |
| Description | Implementing the functionality for users to add other users to their contacts, and to view their contacts. |
| Pre-conditions | “Create Account” use case is implemented. |
| Post-conditions |  |