# Scenario 2: Test 2 Contact Management

Scenario Description:  
  
Managing contact within the Instant Messaging Service is critical as core functionality. The testing will allow the project to verify contact and channel access management can be achieved.

## Test Functions

The following tests will cover this scenario:

* 2.1 Test Create Contacts
* 2.2 Test Read Contacts.
* 2.3 Test Amend Contacts.

## Use Case

The testing will incorporate the critical use cases, Implement “View Chats” Use Case and Implement “Chat” Use Case as evidence API will support critical functionality.

## Test Components/Requirements

* Running XMPP Server.
* Knowledge of XMPP Administration functionality.
* Knowledge of core XMPP functionality.
* Knowledge of Maven build tools.
* IDE with XMPP Integration.

## Test Function 2.1: Create Contacts

### Function Description

The function will establish a connection with the XMPP Server, login as a user and create a new contact list

### Testing Requirements

This test function covers the following specific testing requirements:

* Establish connection to XMPP Server
* Login with User Account.
* Creating XMPP Roster.

### Setup

* Connecting Server Host address teamorange.space.
* User credentials Name: <API>user, Password: <API>user.
* Create contact list called teamorange and assign tim, murray, shaun and admin.

### Teardown

* Console output of successful steps.

### Function Steps

|  |  |  |  |
| --- | --- | --- | --- |
| **Step #** | **Test Action** | **Expected Results** | **Pass/ Fail** |
| 1 | Establish connection and logon as user. | No exceptions. |  |
| 2 | Create new XMPP Roster on Server. | Return TRUE Boolean, Roster Created |  |
| 3 | User A add entries to Roster. | No exceptions. |  |
| 4 | User B accepts entries. | Return TRUE Boolean, User added to Roster. |  |

### Test Execution

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Date/Time | Tester | Test ID | Test Phase | Status |
|  |  |  |  |  |

## Test Function 2.2: Read Contacts

### Function Description

The function will establish a connection with the XMPP Server, login as a user and read contact list.

### Testing Requirements

This test function covers the following specific testing requirements:

* Establish connection to XMPP Server
* Login with User Account.
* Reading XMPP Roster.

### Setup

* Connecting Server Host address teamorange.space.
* User credentials Name: <API>user, Password: <API>user.
* Read contact list called teamorange and return contacts.

### Teardown

* Console output of successful steps.

### Function Steps

|  |  |  |  |
| --- | --- | --- | --- |
| **Step #** | **Test Action** | **Expected Results** | **Pass/ Fail** |
| 1 | Establish connection and logon as user. | No exceptions. |  |
| 2 | Request teamorange Roster. | Return TRUE Boolean, Roster returned. |  |
| 3 | Iterate contacts, print contacts to console. | A list of contacts from roster. |  |

### Test Execution

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Date/Time | Tester | Test ID | Test Phase | Status |
|  |  |  |  |  |

## Test Function 2.3: Amend Contacts

### Function Description

The function will establish a connection with the XMPP Server, login as a user and read contact list.

### Testing Requirements

This test function covers the following specific testing requirements:

* Establish connection to XMPP Server
* Login with User Account.
* Amending XMPP Roster.

### Setup

* Connecting Server Host address teamorange.space.
* User credentials Name: <API>user, Password: <API>user.
* Amend contact list called teamorange and return contacts.

### Teardown

* Console output of successful steps.

### Function Steps

|  |  |  |  |
| --- | --- | --- | --- |
| **Step #** | **Test Action** | **Expected Results** | **Pass/ Fail** |
| 1 | Establish connection and logon as user. | No exceptions. |  |
| 2 | Request teamorange Roster. | Return TRUE Boolean, Roster returned. |  |
| 3 | Add User admin to entries to Roster. | No exceptions. |  |
| 4 | User admin accepts entries. | Return TRUE Boolean, User added to Roster. |  |
| 5 | Iterate contacts, print contacts to console. | admin contact on roster list. |  |

### Test Execution

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Date/Time | Tester | Test ID | Test Phase | Status |
|  |  |  |  |  |