# Scenario 1: Preliminary Client API

Scenario Description:  
  
The testing will allow the project to establish if core API will meet fundamental functionality for the project. The test scenario will ensure the mitigation of high level risk 1, selection of core XMPP API.

## Test Functions

The following tests will cover this scenario:

* 1.1 Test Function Smack Create Account
* 1.2 Test Function Babbler Create Account
* 1.3 Test Function Emite GWT Create Account.

## Use Case

The testing will incorporate the critical use case 1, create account as evidence API will provide basic function.

## Test Components/Requirements

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

## Test Function 1.1: Smack Create Account

### Function Description

The function will establish a connection over the internet, create an account on the XMPP server and test the account has been created.

### Testing Requirements

This test function covers the following specific testing requirements:

* Establish connection to XMPP Server
* Create a User Account.
* Login as User.

### Setup

* Connecting Server Host address teamorange.space.
* User credentials Name: smackuser, Password: smackuser.

### Teardown

* Console output of successful steps.

### Function Steps

|  |  |  |  |
| --- | --- | --- | --- |
| **Step #** | **Test Action** | **Expected Results** | **Pass/ Fail** |
| 1 | Create XMPP Connection Object with host details*.* | No exceptions. |  |
| 2 | Establish connection to XMPP Server with Connection Object. | Return TRUE Boolean, XMPP Connection established. |  |
| 3 | Create account manager Object with connection Object. | No exceptions. |  |
| 4 | Create account on XMPP Server with username ‘<APINAME>user’ and password ‘<APINAME>user ’. | Return TRUE Boolean, XMPP Server accepts new account. |  |
| 5 | Login into XMPP Server with create User Credentials | Return TRUE Boolean, XMPP Server accepts login credentials, establishes user session. |  |

### Test Execution

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

## Test Function 1.2: Babbler Create Account

### Function Description

The function will establish a connection over the internet, create an account on the XMPP server and test the account has been created.

### Testing Requirements

This test function covers the following specific testing requirements:

* Establish connection to XMPP Server
* Create a User Account.
* Login as User.

### Setup

* Connecting Server Host address teamorange.space.
* User credentials Name: babbleruser, Password: babbleruser.

### Teardown

* Console output of successful steps.

### Function Steps

|  |  |  |  |
| --- | --- | --- | --- |
| **Step #** | **Test Action** | **Expected Results** | **Pass/ Fail** |
| 1 | Create XMPP Connection Object with host details*.* | No exceptions. |  |
| 2 | Establish connection to XMPP Server with Connection Object. | Return TRUE Boolean, XMPP Connection established. |  |
| 3 | Create account manager Object with connection Object. | No exceptions. |  |
| 4 | Create account on XMPP Server with username ‘<APINAME>user’ and password ‘<APINAME>user ’. | Return TRUE Boolean, XMPP Server accepts new account. |  |
| 5 | Login into XMPP Server with create User Credentials | Return TRUE Boolean, XMPP Server accepts login credentials, establishes user session. |  |

### Test Execution

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

## Test Function 1.3: Emite Create Account

### Function Description

The function will establish a connection over the internet, create an account on the XMPP server and test the account has been created.

### Testing Requirements

This test function covers the following specific testing requirements:

* Establish connection to XMPP Server
* Create a User Account.
* Login as User.

### Setup

* Connecting Server Host address teamorange.space.
* User credentials Name: emiteuser, Password: emiteuser.

### Teardown

* Console output of successful steps.

### Function Steps

|  |  |  |  |
| --- | --- | --- | --- |
| **Step #** | **Test Action** | **Expected Results** | **Pass/ Fail** |
| 1 | Create XMPP Connection Object with host details*.* | No exceptions. |  |
| 2 | Establish connection to XMPP Server with Connection Object. | Return TRUE Boolean, XMPP Connection established. |  |
| 3 | Create account manager Object with connection Object. | No exceptions. |  |
| 4 | Create account on XMPP Server with username ‘<APINAME>user’ and password ‘<APINAME>user ’. | Return TRUE Boolean, XMPP Server accepts new account. |  |
| 5 | Login into XMPP Server with create User Credentials | Return TRUE Boolean, XMPP Server accepts login credentials, establishes user session. |  |

### Test Execution

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