**Description of Item to Be Tested:**

|  |
| --- |
| Registration - Username |

**Required Field Y / N**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Type** | **Test Data** | **Expected Result** | **Actual Result** |
| Extreme Min | A | Fail | Fail |
| Min -1 | ABCDE | Fail | Fail |
| Min (Boundary) | ABCDEF | Pass | Pass |
| Min +1 | ABCDEFG | Pass | Pass |
| Max -1 | ABCDEFGHIJKLMNOPQRS | Pass | Pass |
| Max (Boundary) | ABCDEFGHIJKLMNOPQRST | Pass | Pass |
| Max +1 | ABCDEFGHIJKLMNOPQRSTU | Fail | Fail |
| Mid | ABCDEFGHIJKL | Pass | Pass |
| Extreme Max | AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA | Fail | Fail |
| Invalid data type | TEST USERNAME | Fail | Fail |
| Other tests | (Duplicate Username) | Fail | Fail |
|  |  |  |  |
|  |  |  |  |

**Additional Notes / Instructions:**

|  |
| --- |
| Username accepts an alphanumerical string that isn’t a duplicate of an existing username and is 6 characters or longer up to 20. |

**Description of Item to Be Tested:**

|  |
| --- |
| Registration - Password |

**Required Field Y / N**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Type** | **Test Data** | **Expected Result** | **Actual Result** |
| Extreme Min | Ab1 | Fail | Fail |
| Min -1 | Ab34567 | Fail | Fail |
| Min (Boundary) | Ab345678 | Pass | Pass |
| Min +1 | Ab3456789 | Pass | Pass |
| Max -1 | Ab34567890123456789 | Pass | Pass |
| Max (Boundary) | Ab345678901234567890 | Pass | Pass |
| Max +1 | Ab3456789012345678901 | Fail | Fail |
| Mid | Ab3456789012 | Pass | Pass |
| Extreme Max | Ab34567890123456789012345678901234567890 | Fail | Fail |
| Invalid data type | My Password1 | Fail | Fail |
| Other tests | No uppercase: a2345678 | Fail | Fail |
|  | No lowercase: A2345678 | Fail | Fail |
|  | No numbers: Abcdefgh | Fail | Fail |
|  | Includes accepted symbol: Ab345678! | Pass | Pass |
|  | Includes rejected symbol: Ab345678\ | Fail | Fail |

**Additional Notes / Instructions:**

|  |
| --- |
| Must contain at least one uppercase, lowercase and digit. Must be between 8 and 20 characters. Accepts some symbols: !@#£$%^&:;<>,.?/~\_+=| Verify Password must match in order to work and vice versa. |

**Description of Item to Be Tested:**

|  |
| --- |
| Registration - Email |

**Required Field Y / N**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Type** | **Test Data** | **Expected Result** | **Actual Result** |
| Extreme Min |  |  |  |
| Min -1 |  |  |  |
| Min (Boundary) |  |  |  |
| Min +1 |  |  |  |
| Max -1 | abcdefghijklmnopqrstuvwxyzabcdefghijklm@gmail.com | Pass | Pass |
| Max (Boundary) | abcdefghijklmnopqrstuvwxyzabcdefghijklmn@gmail.com | Pass | Pass |
| Max +1 |  |  |  |
| Mid | asdf@gmail.com | Pass | Pass |
| Extreme Max |  |  |  |
| Invalid data type | Test | Fail | Fail |
| Other tests | (Duplicate email) | Fail | Fail |
|  |  |  |  |
|  |  |  |  |

**Additional Notes / Instructions:**

|  |
| --- |
| PHP FILTER\_SANITIZE\_EMAIL: Remove all characters except letters, digits and !#$%&'\*+-=?^\_`{|}~@.[]  The limit on the textbox is 50 characters. Must not be a duplicate to one already in a system. There is not specifically a lower boundary but must meet the criteria of the email filter. |

**Description of Item to Be Tested:**

|  |
| --- |
| Login |

**Required Field Y / N**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Type** | **Test Data** | **Expected Result** | **Actual Result** |
| Extreme Min |  |  |  |
| Min -1 |  |  |  |
| Min (Boundary) |  |  |  |
| Min +1 |  |  |  |
| Max -1 |  |  |  |
| Max (Boundary) |  |  |  |
| Max +1 |  |  |  |
| Mid |  |  |  |
| Extreme Max |  |  |  |
| Invalid data type |  |  |  |
| Other tests | (valid username and password combination) | Pass | Pass |
|  | (a username and password not currently on the system) | Fail | Fail |
|  |  |  |  |

**Additional Notes / Instructions:**

|  |
| --- |
|  |

**Description of Item to Be Tested:**

|  |
| --- |
| Send Message, View message, Download message – Username + Password |

**Required Field Y / N**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Type** | **Test Data** | **Expected Result** | **Actual Result** |
| Extreme Min |  |  |  |
| Min -1 |  |  |  |
| Min (Boundary) |  |  |  |
| Min +1 |  |  |  |
| Max -1 |  |  |  |
| Max (Boundary) |  |  |  |
| Max +1 |  |  |  |
| Mid |  |  |  |
| Extreme Max |  |  |  |
| Invalid data type |  |  |  |
| Other tests | (Valid username + Password combination) | Pass | Pass |
|  | (Invalid username + Password combination) | Fail | Fail |
|  |  |  |  |

**Additional Notes / Instructions:**

|  |
| --- |
| Links with the M2M Connect SOAP service and checks for valid login details. |

**Description of Item to Be Tested:**

|  |
| --- |
| Send message - Device MSISDN |

**Required Field Y / N**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Type** | **Test Data** | **Expected Result** | **Actual Result** |
| Extreme Min |  |  |  |
| Min -1 |  |  |  |
| Min (Boundary) |  |  |  |
| Min +1 |  |  |  |
| Max -1 |  |  |  |
| Max (Boundary) |  |  |  |
| Max +1 |  |  |  |
| Mid |  |  |  |
| Extreme Max |  |  |  |
| Invalid data type | test | Fail | Fail |
| Other tests |  |  |  |
|  |  |  |  |
|  |  |  |  |

**Additional Notes / Instructions:**

|  |
| --- |
| Nullpointerexception applies on invalid MSISDN’s, invalid inputs/characters are handled |

**Description of Item to Be Tested:**

|  |
| --- |
| Send message - Message |

**Required Field Y / N**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Type** | **Test Data** | **Expected Result** | **Actual Result** |
| Extreme Min |  |  |  |
| Min -1 | (blank) | Fail | Fail |
| Min (Boundary) | A | Pass | Pass |
| Min +1 | Ab | Pass | Pass |
| Max -1 | aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa | Pass | Pass |
| Max (Boundary) | aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa | Pass | Pass |
| Max +1 | aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa | Fail | Fail |
| Mid | Test message | Pass | Pass |
| Extreme Max | aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa | Fail | Fail |
| Invalid data type |  |  |  |
| Other tests |  |  |  |
|  |  |  |  |
|  |  |  |  |

**Additional Notes / Instructions:**

|  |
| --- |
|  |

**Description of Item to Be Tested:**

|  |
| --- |
| View message - Device MSISDN |

**Required Field Y / N**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Type** | **Test Data** | **Expected Result** | **Actual Result** |
| Extreme Min |  |  |  |
| Min -1 |  |  |  |
| Min (Boundary) |  |  |  |
| Min +1 |  |  |  |
| Max -1 |  |  |  |
| Max (Boundary) |  |  |  |
| Max +1 |  |  |  |
| Mid |  |  |  |
| Extreme Max |  |  |  |
| Invalid data type | test | Fail | Pass |
| Other tests |  |  |  |
|  |  |  |  |
|  |  |  |  |

**Additional Notes / Instructions:**

|  |
| --- |
| Invalid data types are not handled |

**Description of Item to Be Tested:**

|  |
| --- |
| View message – Number of Messages |

**Required Field Y / N**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Type** | **Test Data** | **Expected Result** | **Actual Result** |
| Extreme Min | -10 | Fail | Fail |
| Min -1 | 0 | Fail | Pass |
| Min (Boundary) | 1 | Pass | Pass |
| Min +1 | 2 | Pass | Pass but incorrect |
| Max -1 | 9999999999999999999999999999999999999999999999999 | Pass | Fail |
| Max (Boundary) | 99999999999999999999999999999999999999999999999999 | Pass | Fail |
| Max +1 |  |  |  |
| Mid | 1000 | Pass | Pass but incorrect |
| Extreme Max |  |  |  |
| Invalid data type | test | Fail | Pass |
| Other tests | (blank) | Fail | Pass |
|  |  |  |  |
|  |  |  |  |

**Additional Notes / Instructions:**

|  |
| --- |
| The number of messages sets the amount to retrieve from the whole pool of the MISISDN – The function only returns your messages. Example: you have 4 messages sent to the MISISDN, but of the last 15 messages only 1 of them is yours. If you entered # of messages to 15, it would only retrieve 1. Currently max boundary only limited by the input box size (50).  Currently seems to be no max set |

**Description of Item to Be Tested:**

|  |
| --- |
| Download Messages – Device MSISDN |

**Required Field Y / N**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Type** | **Test Data** | **Expected Result** | **Actual Result** |
| Extreme Min |  |  |  |
| Min -1 |  |  |  |
| Min (Boundary) |  |  |  |
| Min +1 |  |  |  |
| Max -1 |  |  |  |
| Max (Boundary) |  |  |  |
| Max +1 |  |  |  |
| Mid |  |  |  |
| Extreme Max |  |  |  |
| Invalid data type | test | Fail | Pass |
| Other tests |  |  |  |
|  |  |  |  |
|  |  |  |  |

**Additional Notes / Instructions:**

|  |
| --- |
| Invalid data types are not handled |

**Description of Item to Be Tested:**

|  |
| --- |
| Download messages – Number of messages |

**Required Field Y / N**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Type** | **Test Data** | **Expected Result** | **Actual Result** |
| Extreme Min |  |  |  |
| Min -1 |  |  |  |
| Min (Boundary) |  |  |  |
| Min +1 |  |  |  |
| Max -1 |  |  |  |
| Max (Boundary) |  |  |  |
| Max +1 |  |  |  |
| Mid |  |  |  |
| Extreme Max |  |  |  |
| Invalid data type |  |  |  |
| Other tests |  |  |  |
|  |  |  |  |
|  |  |  |  |

**Additional Notes / Instructions:**

|  |
| --- |
| Seems to work similarly to View message |

**Description of Item to Be Tested:**

|  |
| --- |
| Admin settings (switchboard) – Switch 1 |

**Required Field Y / N**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Type** | **Test Data** | **Expected Result** | **Actual Result** |
| Extreme Min |  |  |  |
| Min -1 |  |  |  |
| Min (Boundary) |  |  |  |
| Min +1 |  |  |  |
| Max -1 |  |  |  |
| Max (Boundary) |  |  |  |
| Max +1 |  |  |  |
| Mid |  |  |  |
| Extreme Max |  |  |  |
| Invalid data type |  |  |  |
| Other tests | On | Pass | Pass |
|  | Off | Pass | Pass |
|  |  |  |  |

**Additional Notes / Instructions:**

|  |
| --- |
|  |

**Description of Item to Be Tested:**

|  |
| --- |
| Admin settings (switchboard) – Switch 2 |

**Required Field Y / N**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Type** | **Test Data** | **Expected Result** | **Actual Result** |
| Extreme Min |  |  |  |
| Min -1 |  |  |  |
| Min (Boundary) |  |  |  |
| Min +1 |  |  |  |
| Max -1 |  |  |  |
| Max (Boundary) |  |  |  |
| Max +1 |  |  |  |
| Mid |  |  |  |
| Extreme Max |  |  |  |
| Invalid data type |  |  |  |
| Other tests | On | Pass | Pass |
|  | Off | Pass | Pass |
|  |  |  |  |

**Additional Notes / Instructions:**

|  |
| --- |
|  |

**Description of Item to Be Tested:**

|  |
| --- |
| Admin settings (switchboard) – Switch 3 |

**Required Field Y / N**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Type** | **Test Data** | **Expected Result** | **Actual Result** |
| Extreme Min |  |  |  |
| Min -1 |  |  |  |
| Min (Boundary) |  |  |  |
| Min +1 |  |  |  |
| Max -1 |  |  |  |
| Max (Boundary) |  |  |  |
| Max +1 |  |  |  |
| Mid |  |  |  |
| Extreme Max |  |  |  |
| Invalid data type |  |  |  |
| Other tests | On | Pass | Pass |
|  | Off | Pass | Pass |
|  |  |  |  |

**Additional Notes / Instructions:**

|  |
| --- |
|  |

**Description of Item to Be Tested:**

|  |
| --- |
| Admin settings (switchboard) – Switch 4 |

**Required Field Y / N**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Type** | **Test Data** | **Expected Result** | **Actual Result** |
| Extreme Min |  |  |  |
| Min -1 |  |  |  |
| Min (Boundary) |  |  |  |
| Min +1 |  |  |  |
| Max -1 |  |  |  |
| Max (Boundary) |  |  |  |
| Max +1 |  |  |  |
| Mid |  |  |  |
| Extreme Max |  |  |  |
| Invalid data type |  |  |  |
| Other tests | On | Pass | Pass |
|  | Off | Pass | Pass |
|  |  |  |  |

**Additional Notes / Instructions:**

|  |
| --- |
|  |

**Description of Item to Be Tested:**

|  |
| --- |
| Admin settings (switchboard) – Fan State |

**Required Field Y / N**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Type** | **Test Data** | **Expected Result** | **Actual Result** |
| Extreme Min |  |  |  |
| Min -1 |  |  |  |
| Min (Boundary) |  |  |  |
| Min +1 |  |  |  |
| Max -1 |  |  |  |
| Max (Boundary) |  |  |  |
| Max +1 |  |  |  |
| Mid |  |  |  |
| Extreme Max |  |  |  |
| Invalid data type |  |  |  |
| Other tests | Forward | Pass | Pass |
|  | Reverse | Pass | Pass |
|  |  |  |  |

**Additional Notes / Instructions:**

|  |
| --- |
|  |

**Description of Item to Be Tested:**

|  |
| --- |
| Admin settings (switchboard) – Temperature |

**Required Field Y / N**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Type** | **Test Data** | **Expected Result** | **Actual Result** |
| Extreme Min | -50 | Fail | Fail |
| Min -1 | -1 | Fail | Fail |
| Min (Boundary) | 0 | Pass | Pass |
| Min +1 | 1 | Pass | Pass |
| Max -1 | 99 | Pass | Pass |
| Max (Boundary) | 100 | Pass | Pass |
| Max +1 | 101 | Fail | Fail |
| Mid | 50 | Pass | Pass |
| Extreme Max | 10000000000 | Fail | Fail |
| Invalid data type | test | Fail | Fail |
| Other tests |  |  |  |
|  |  |  |  |
|  |  |  |  |

**Additional Notes / Instructions:**

|  |
| --- |
|  |

**Description of Item to Be Tested:**

|  |
| --- |
| Admin settings (switchboard) – Last digit entered |

**Required Field Y / N**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Type** | **Test Data** | **Expected Result** | **Actual Result** |
| Extreme Min | -50 | Fail | Fail |
| Min -1 | -1 | Fail | Fail |
| Min (Boundary) | 0 | Pass | Pass |
| Min +1 | 1 | Pass | Pass |
| Max -1 | 8 | Pass | Pass |
| Max (Boundary) | 9 | Pass | Pass |
| Max +1 | 10 | Fail | Fail |
| Mid | 5 | Pass | Pass |
| Extreme Max | 10000000000 | Fail | Fail |
| Invalid data type | test | Fail | Fail |
| Other tests |  |  |  |
|  |  |  |  |
|  |  |  |  |

**Additional Notes / Instructions:**

|  |
| --- |
|  |