**Social Media News Tracking System**

Test Plan

By

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**Document History**

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**Chapter One | Introduction**

* 1. **Objective**

The objectives of the test plan of Social Media News Tracking System is to establish test plan of the unit testing and system testing and make sure that the bugs or the defects are discovered and fixed. The unit testing covers all of the implemented methods in Ontology Base Expert System for Generic drug Production of Pharmaceutical Dosage Form. The system testing covers the user requirements.

* 1. **Scope**

This test plan describes the unit testing activities to detect the defects on the system and describes the system testing activities for testing a completely integrated system to verify that it meets the user requirements.

* 1. **Acronyms**

SMTS Social Media News Tracking System

URS User Requirement Specification

SRS System Requirement Specification

UTC Unit Test Case

STC System Test Case

**Chapter Two | Test Plan and Test Procedure**

**2.1 Test Objective**

The objectives of testing SMTS project are:

* All bugs or defects are detected.
* Those bugs or defects are fixed.
* Functions and user interface covered the requirements.
* All functions and features must be there.

**2.2 Scope of testing**

OEGP will test by white-box testing techniques that are unit testing and system testing and record the test results in the test record.

**2.3 Test Duration**

|  |  |
| --- | --- |
| **Progress** | **Date and Duration** |
| Progress Report I | Perform date: 20/08/15 -27/08/15  Duration: 8 days |

**2.4 Test Responsibility**

|  |  |
| --- | --- |
| **Item** | **Responsibility** |
| Unit test | Pichet Potha  Sittipong Borripan |
| Record unit test | Pichet Potha  Sittipong Borripan |
| System test | Pichet Potha  Sittipong Borripan |
| Record System test | Pichet Potha  Sittipong Borripan |

**2.5 Test Strategy**

SMTS will be follow by:

* Design test case for each feature.
* Prepare test data for each feature.
* Determine expected results.
* Perform testing on individual features.
* Result of testing will be recorded.
* All test files will be stored in the project repository.

**2.6 Result of Testing**

In the test record the test result will separate into two parts, which are:

1. Actual output: The actual outputs that are performed by each test case.
2. Pass, Fail, N/A criteria:
   1. **Pass:** The result of actual is same like expected result.
   2. **Fail:** the result of actual result is not same like expected result.
   3. **N/A**: the result of actual result is not available.

**2.7 Test Environment**

|  |  |
| --- | --- |
| **Items** | **Details** |
| **Laptop 1** | Operating System : Window 10 Enterprise  Processor : Intel® Core™ i3 2.53 GHz  RAM : 4GB  Hard Disk : 320GB |
| **Laptop 2** | Operating System : Window 10 Pro  Processor : Intel® Core™ i5 2.5 GHz  RAM : 4GB  Hard Disk : 700GB |
| **Smart phone** | Sony Xperia Z Android 5.0.2 |

**2.7.1 Hardware**

**2.7.2 Software**

|  |  |
| --- | --- |
| **Items** | **Details** |
| **Web Browser** | * Chrome desktop 44.0.2403.157 m; Chrome for Android 44.0.2403.133 * Firefox 39.0; Firefox for Android 34.0.1 |
| **Database** | * MySQL 5.6.26 |
| **Tools** | * NetBeans IDE 8.0.2 |

**Chapter Three | Unit Test**

**3.1 Unit Test Case (UTC)**

**3.1.1 Search Class**

**3.1.1.1 Unit Test Case (UTC-01)**

**searchFacebook(input: String): facebookCont**

* **Test set up**
  + Set the word “The Star” in facebookA.html file with Document Object Model (DOM) of www.facebook.com.
  + Set the word “AF” in facebookB.html file with Document Object Model (DOM) of www. facebook.com.
  + Set the sentence “I love The Star” in facebookC.html file with Document Object Model (DOM) of www. facebook.com.
  + Set the sentence “I love AF” in facebookD.html file with Document Object Model (DOM) of www. facebook.com.
  + Set the sentence “I love The Star and I love AF” in facebookE.html file with Document Object Model (DOM) of www. facebook.com.

|  |  |
| --- | --- |
| **Object Name** | **User Object** |
| Input1 | (“The Star”) |
| Input2 | (“The Star AF”) |
| Input3 | (“I love The Star”) |
| Input4 | (“I love The Star and I love AF”) |
| Input5 | (“TV Champion ”) |
| Input6 | (“ ”) |

* **Test Case**

|  |  |  |  |
| --- | --- | --- | --- |
| **Case No.** | **Description** | **Input data** | **Expect Result** |
|  |  |
| 1 | Test search for the result with one word. | (“The Star”) | facebookA.html  facebookC.html  facebookE.html |
| 2 | Test search for the result with more than one word. | (“The Star AF”) | facebookA.html  facebookB.html  facebookC.html  facebookD.html facebookE.html |
| 3 | Test search for the result with one sentence. | (“I love The Star”) | facebookA.html  facebookC.html  facebookD.html  facebookE.html |
| 4 | Test search for the result with more than one sentence. | (“I love The Star and I love AF”) | facebookA.html  facebookB.html  facebookC.html  facebookD.html facebookE.html |
| 5 | Test search for the result with the word that did not set on Test set up. | (“TV Champion ”) | Null |
| 6 | Test search for result with no word. | (“ ”) | Null |

**3.1.1.1 Unit Test Case (UTC-02)**

**searchPantip(input: String): pantipCont**

* **Test set up**
  + Set the word “The Star” in pantipA.html file with Document Object Model (DOM) of www.pantip.com.
  + Set the word “AF” in pantipB.html file with Document Object Model (DOM) of www.pantip.com.
  + Set the sentence “I love The Star” in pantipC.html file with Document Object Model (DOM) of www.pantip.com.
  + Set the sentence “I love AF” in pantipD.html file with Document Object Model (DOM) of www.pantip.com.
  + Set the sentence “I love The Star and I love AF” in pantipE.html file with Document Object Model (DOM) of [www.pantip.com](http://www.pantip.com).

|  |  |
| --- | --- |
| **Object Name** | **User Object** |
| Input1 | (“The Star”) |
| Input2 | (“The Star AF”) |
| Input3 | (“I love The Star”) |
| Input4 | (“I love The Star and I love AF”) |
| Input5 | (“TV Champion ”) |
| Input6 | (“ ”) |

* **Test Case**

|  |  |  |  |
| --- | --- | --- | --- |
| **Case No.** | **Description** | **Input data** | **Expect Result** |
| 1 | Test search for the result with one word. | (“The Star”) | pantipA.html  pantipC.html  pantipE.html |
| 2 | Test search for the result with more than one word. | (“The Star AF”) | pantipA.html  pantipB.html  pantipC.html  pantipD.html pantipE.html |
| 3 | Test search for the result with one sentence. | (“I love The Star”) | pantipA.html  pantipC.html  pantipD.html  pantipE.html |
| 4 | Test search for the result with more than one sentence. | (“I love The Star and I love AF”) | pantipA.html  pantipB.html  pantipC.html  pantipD.html pantipE.html |
| 5 | Test search for the result with the word that did not set on Test set up. | (“TV Champion ”) | Null |
| 6 | Test search for result with no word. | (“ ”) | Null |

**3.1.1.1 Unit Test Case (UTC-03)**

**searchTwitter(input: String): TwitterCont**

* **Test set up**
  + Set the word “The Star” in twitterA.html file with Document Object Model (DOM) of www.twitter.com.
  + Set the word “AF” in twitterB.html file with Document Object Model (DOM) of www. twitter.com.
  + Set the sentence “I love The Star” in twitterC.html file with Document Object Model (DOM) of www. twitter.com.
  + Set the sentence “I love AF” in twitterD.html file with Document Object Model (DOM) of www. twitter.com.
  + Set the sentence “I love The Star and I love AF” in twitterE.html file with Document Object Model (DOM) of www. twitter.com.

|  |  |
| --- | --- |
| **Object Name** | **User Object** |
| Input1 | (“The Star”) |
| Input2 | (“The Star AF”) |
| Input3 | (“I love The Star”) |
| Input4 | (“I love The Star and I love AF”) |
| Input5 | (“TV Champion ”) |
| Input6 | (“ ”) |

* **Test Case**

|  |  |  |  |
| --- | --- | --- | --- |
| **Case No.** | **Description** | **Input data** | **Expect Result** |
|  |  |
| 1 | Test search for the result with one word. | (“The Star”) | twitterA.html  twitterC.html  twitterE.html |
| 2 | Test search for the result with more than one word. | (“The Star AF”) | twitterA.html  twitterB.html  twitterC.html  twitterD.html twitterE.html |
| 3 | Test search for the result with one sentence. | (“I love The Star”) | twitterA.html  twitterC.html  twitterD.html  twitterE.html |
| 4 | Test search for the result with more than one sentence. | (“I love The Star and I love AF”) | twitterA.html  twitterB.html  twitterC.html  twitterD.html twitterE.html |
| 5 | Test search for the result with the word that did not set on Test set up. | (“TV Champion ”) | Null |
| 6 | Test search for result with no word. | (“ ”) | Null |