Social Media News Tracking System

Test Plan

By

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Document History

Document name	Version	Status	Date	Viewable	Reviewer	Responsible
Documents						
SMTS_Test Plan_v.0.1.docx	0.1 • Add Introduction • Objective • Scope • Acronyms • Test Objective • Scope of testing • Test Duration • Test Responsibility • Test Strategy • Result of Testing • Test Environment	Draft	August 27,2015	PP, SB, CD	PP, SB	PP, SB
SMTS_Test Plan_v.0.2.docx	0.2 • Unit Test Case (UTC-01) • Unit Test Case (UTC-02) • Unit Test Case (UTC-03)	Released	August 28,2015	PP, SB, CD	PP, SB	PP, SB

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Chapter One | Introduction

1.1 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.

1.2 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.

1.3 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:
    2.1 **Pass:** The result of actual is same like expected result.
    2.2 **Fail:** the result of actual result is not same like expected result.
    2.3 **N/A**: the result of actual result is not available.

2.7 Test Environment

2.7.1 Hardware

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

2.7.2 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.

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

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