

**Elephant Learn**

**A sentimental analysis system for Thai stock market**

Test Record

By

Pakarat Matmarurat 592115022

Chamnol Yin 592115519

Department of Software Engineering

College of Arts, Media and Technology

Chiang Mai University

Project Advisor

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Dr.Pree Thiengburanathum

**Document History**

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\*CY = Mr. Chamnol Yin,

\*PM = Miss Pakarat Matmarurat,

\*PT = Dr. Pree Thiengburanathum

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# **Chapter I | Introduction**

## **1.1 Purpose**

The purpose of test record for Elephant Learn is for recording the actual result and pass/fail criteria of each test case that have designed in the test plan and executed.

## **1.2 Responsibility**

|  |  |
| --- | --- |
| **Item** | **Responsibility** |
| Unit test | Chamnol, Pakarat |
| Record unit test | Chamnol, Pakarat |
| System test | Chamnol, Pakarat |
| Record system test | Chamnol, Pakarat |

## **1.3 Acronyms**

UTC Unit Test Case

STC System Test Case

# **Chapter II | Unit Testing Record**

## **UTC-01: removeNoise(text: String)**

**Test Date**: July 27th, 2019

**Test By**: Chamnol Yin, Pakarat Matmarurat

|  |  |  |  |
| --- | --- | --- | --- |
| **ID** | **Expect Result** | **Actual Result** | **Pass/Fail** |
| 1 | ทำไมในรายงานข่าวถึงใช้หน่วยเงินของ USA สลับไปมา ระหว่าง ""เหรียญ"" กับ ""ดอลล่าร์สหรัฐ" | ทำไมในรายงานข่าวถึงใช้หน่วยเงินของ USA สลับไปมา ระหว่าง ""เหรียญ"" กับ ""ดอลล่าร์สหรัฐ" | Pass |

## **UTC-02: removePunctuation(text: String)**

**Test Date**: July 27th, 2019

**Test By**: Chamnol Yin, Pakarat Matmarurat

|  |  |  |  |
| --- | --- | --- | --- |
| **ID** | **Expect Result** | **Actual Result** | **Pass/Fail** |
| 1 | เหตุผลอะไร ทำไมคนไทยถึงไม่ค่อยลงทุน | เหตผลอะไร ทำไมคนไทยถงไมคอยลงทน | Pass |

## **UTC-03: removeWhiteSpace(text: String)**

**Test Date:** July 27th, 2019

**Test By:** Chamnol Yin, Pakarat Matmarurat

|  |  |  |  |
| --- | --- | --- | --- |
| **ID** | **Expect Result** | **Actual Result** | **Pass/Fail** |
| 1 | ไซด์เวย์​มีโอกาสปรับฐาน​ถือ​ซื้อสะสม​ | ไซด์เวย์มีโอกาสปรับฐานถือซื้อสะสม | Pass |

## **UTC-04: removeNumber(text: String)**

**Test Date:** July 27th, 2019

**Test By:** Chamnol Yin, Pakarat Matmarurat

|  |  |  |  |
| --- | --- | --- | --- |
| **ID** | **Expect Result** | **Actual Result** | **Pass/Fail** |
| 1 | อยากได้เงินมาปิดหนี้บัตร ประมาณ มีธนาคารไหนช่วยได้บ้างค่ะ | อยากได้เงินมาปิดหนี้บัตร ประมาณ มีธนาคารไหนช่วยได้บ้างค่ะ | Pass |

## **UTC-05: Tokenize(text: String)**

**Test Date:** July 27th, 2019

**Test By:** Chamnol Yin, Pakarat Matmarurat

|  |  |  |  |
| --- | --- | --- | --- |
| **ID** | **Expect Result** | **Actual Result** | **Pass/Fail** |
| 1 | ['รบกวน', 'ข้อมูล', 'หน่อย', 'ครับ', 'ทำสัญญา', 'ไว้', '6', 'ปี', 'ปัจจุบัน', 'ผ่อน', 'เดือน', 'ล่ะ', '15,719', 'บาท', 'ครับ'] | ['รบกวน', 'ข้อมูล', 'หน่อย', 'ครับ', 'ทำสัญญา', 'ไว้', '6', 'ปี', 'ปัจจุบัน', 'ผ่อน', 'เดือน', 'ล่ะ', '15,719', 'บาท', 'ครับ'] | Pass |

## **UTC-06: checkAvailableSpell(text: String)**

**Test Date:** July 27th, 2019

**Test By:** Chamnol Yin, Pakarat Matmarurat

|  |  |  |  |
| --- | --- | --- | --- |
| **ID** | **Expect Result** | **Actual Result** | **Pass/Fail** |
| 1 | ['เหลียม', 'เหลือม'] | ['เหลียม', 'เหลือม'] | Pass |

## **UTC-07: getCorrection(text: String)**

**Test Date:** July 27th, 2019

**Test By:** Chamnol Yin, Pakarat Matmarurat

|  |  |  |  |
| --- | --- | --- | --- |
| **ID** | **Expect Result** | **Actual Result** | **Pass/Fail** |
| 1 | เหลียม | เหลียม | Pass |

## **UTC-08: getPOSTagging(words: String[])**

**Test Date:** July 27th, 2019

**Test By:** Chamnol Yin, Pakarat Matmarurat

|  |  |  |  |
| --- | --- | --- | --- |
| **ID** | **Expect Result** | **Actual Result** | **Pass/Fail** |
| 1 | [('การ', 'FIXN'), ('เดินทาง', 'VACT')] | [('การ', 'FIXN'), ('เดินทาง', 'VACT')] | Pass |

## **UTC-09: generateBagOfWord(words: String[])**

**Test Date:** July 27th, 2019

**Test By:** Chamnol Yin, Pakarat Matmarurat

|  |  |  |  |
| --- | --- | --- | --- |
| **ID** | **Expect Result** | **Actual Result** | **Pass/Fail** |
| 1 | [0, …1, ..1,,0,1,..,0,..1] | N/A | Fail |

## **UTC-10: sort(words: String[])**

**Test Date:** July 27th, 2019

**Test By:** Chamnol Yin, Pakarat Matmarurat

|  |  |  |  |
| --- | --- | --- | --- |
| **ID** | **Expect Result** | **Actual Result** | **Pass/Fail** |
| 1 | ['กรรไกร', 'กระดาษ', 'ไข่', 'ค้อน', 'ผ้าไหม'] | ['กรรไกร', 'กระดาษ', 'ไข่', 'ค้อน', 'ผ้าไหม'] | Pass |

## **UTC-11: sortReverse(words: String[])**

**Test Date:** July 27th, 2019

**Test By:** Chamnol Yin, Pakarat Matmarurat

|  |  |  |  |
| --- | --- | --- | --- |
| **ID** | **Expect Result** | **Actual Result** | **Pass/Fail** |
| 1 | ["ค้อน", "กระดาษ", "กรรไกร", "ไข่", "ผ้าไหม"] | ["ค้อน", "กระดาษ", "กรรไกร", "ไข่", "ผ้าไหม"] | Pass |

## **UTC-12: removeStopWord(words: String[])**

**Test Date:** July 27th, 2019

**Test By:** Chamnol Yin, Pakarat Matmarurat

|  |  |  |  |
| --- | --- | --- | --- |
| **ID** | **Expect Result** | **Actual Result** | **Pass/Fail** |
| 1 | ['รัก','แมว'] | ['รัก','แมว'] | Pass |

## **UTC-13: stemming(words: String[])**

**Test Date:** July 27th, 2019

**Test By:** Chamnol Yin, Pakarat Matmarurat

|  |  |  |  |
| --- | --- | --- | --- |
| **ID** | **Expect Result** | **Actual Result** | **Pass/Fail** |
| 1 | ['เชียงใหม่'] | ['เชียงใหม่'] | Pass |

## **UTC-14: Sentiment(text: String)**

**Test Date:** July 27th, 2019

**Test By:** Chamnol Yin, Pakarat Matmarurat

|  |  |  |  |
| --- | --- | --- | --- |
| **ID** | **Expect Result** | **Actual Result** | **Pass/Fail** |
| 1 | 1 | N/A | Fail |
| 2 | 0.25 | N/A | Fail |

## **UTC-15: parse(): List<Post>**

**Test Date:** July 28th, 2019

**Test By:** Chamnol Yin, Pakarat Matmarurat

|  |  |  |  |
| --- | --- | --- | --- |
| **ID** | **Expect Result** | **Actual Result** | **Pass/Fail** |
| 1 | CSV file has been generated | CSV file has been generated | Pass |

## **UTC-16: parse(): List<PostComment>**

**Test Date:** July 28th, 2019

**Test By:** Chamnol Yin, Pakarat Matmarurat

|  |  |  |  |
| --- | --- | --- | --- |
| **ID** | **Expect Result** | **Actual Result** | **Pass/Fail** |
| 1 | CSV file has been generated | CSV file has been generated | Pass |

## **UTC-17: generateGraph(file: CSVFile)**

**Test Date:** July 29th, 2019

**Test By:** Chamnol Yin, Pakarat Matmarurat

|  |  |  |  |
| --- | --- | --- | --- |
| **ID** | **Expect Result** | **Actual Result** | **Pass/Fail** |
| 1 | HTML file has been generated | HTML file has been generated | Pass |

# **Chapter III | System Testing**

## **STC-01: Admin can view the retrieved comments from Pantip blog.**

**Test Date**: July 27th, 2019

**Test By**: Chamnol Yin, Pakarat Matmarurat

|  |  |  |  |
| --- | --- | --- | --- |
| **ID** | **Expect Result** | **Actual Result** | **Pass/Fail** |
| 1 | The system redirects to view retrieved comments page, which shows the retrieved comments. | The system redirects to view retrieved comments page, which shows the retrieved comments. | Pass |
| 2 | The system displays the alert message “The database cannot be connected.” | The system displays the alert message “The database cannot be connected.” | Pass |
| 3 | The system displays the alert message “No data” and showing the retrieved comments page without table of comments list | The system displays the alert message “No data” and showing the retrieved comments page without table of comments list | Pass |
| 4 | The system display error message “No internet connection.” | The system display error message “No internet connection.” | Pass |

## **STC-02: Admin can view the result of sentimental analysis of each comment in the topic.**

**Test Date**: July 27th, 2019

**Test By**: Chamnol Yin, Pakarat Matmarurat

|  |  |  |  |
| --- | --- | --- | --- |
| **ID** | **Expect Result** | **Actual Result** | **Pass/Fail** |
| 1 | The system displays the result of sentimental analysis of each comment in the topic | N/A | Fail |
| 2 | The system displays the error message “The database cannot be connected.” | N/A | Fail |
| 3 | The system displays the alert message “No data” and showing the result comments page without table of comments list | N/A | Fail |
| 4 | The system display error message “No internet connection.” | The system display error message “No internet connection.” | Pass |

## **STC-03: Admin can view the statistic of information which is the number of users, date and time of the comments.**

**Test Date**: July 27th, 2019

**Test By**: Chamnol Yin, Pakarat Matmarurat

|  |  |  |  |
| --- | --- | --- | --- |
| **ID** | **Expect Result** | **Actual Result** | **Pass/Fail** |
| 1 | The system displays the statistic of information. | The system displays the statistic of information. | Pass |
| 2 | The system displays the error message “The database cannot be connected.” | The system displays the error message “The database cannot be connected.” | Pass |
| 3 | The system displays the alert message “No data” and showing the view statistic page with blank content. | The system displays the alert message “No data” and showing the view statistic page with blank content. | Pass |
| 1 | The system display error message “No internet connection.” | The system display error message “No internet connection.” | Pass |