Test Assessment and Evaluation

For KDD- Service based Numerical Entity Searcher

(KSNES)

Version 1.0

Submitted in partial fulfillment of the Masters of Software Engineering degree.

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<table>
<thead>
<tr>
<th>Version #</th>
<th>Changed By</th>
<th>Release Date</th>
<th>Change Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Version 1.0</td>
<td>Sowjanya</td>
<td>04/01/09</td>
<td>Initial Release</td>
</tr>
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1. Introduction

This document presents the functionality testing results of the KSNES project. Since the system is set as a service to the user a black box testing is performed.

2. References


3. Test Results Summary

<table>
<thead>
<tr>
<th>Test Case</th>
<th>Main Functionality Tested</th>
<th>Pass/Fail</th>
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<tr>
<td>Test Case 1</td>
<td>Application Functionality</td>
<td>Pass</td>
</tr>
<tr>
<td>Test Case 2</td>
<td>POS Tagger Functionality</td>
<td>Pass</td>
</tr>
<tr>
<td>Test Case 3</td>
<td>Numerical Phrase Extractor Functionality</td>
<td>Pass</td>
</tr>
<tr>
<td>Test Case 4</td>
<td>Number-Unit/Date Pattern Recognizer Functionality</td>
<td>Pass</td>
</tr>
</tbody>
</table>

Table 1: Test Results Summary

The testing for the test case 1 is done as shown in the next section for the remaining test cases it is done manually by the developer as the whole system is a black box for the user.

4. Complete Test Results

4.1. Test Case 1: Application Items

This test case tests the basic application items
Prerequisites: The system should be set up on the server so as to be accessible to the user through a webpage.

Date Performed: 04/11/09
Issues Found: None
Comments: Test ran perfectly

<table>
<thead>
<tr>
<th>Step#</th>
<th>Action Performed</th>
<th>Expected Outcome</th>
<th>Requirements Met</th>
<th>Pass/Fail</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Tester opens the webpage in a browser</td>
<td>Observe the KSNES webpage open&lt;br&gt;Tester sees a text box, send button</td>
<td>ARI 1&lt;br&gt;ARI 2</td>
<td>Pass</td>
</tr>
<tr>
<td>2</td>
<td>Enters the text in the box and clicks the send button to send the request to the service</td>
<td>Observes the raw text to be sent by the tester on clicking the send button&lt;br&gt;The request is sent to the server</td>
<td>ARI 3&lt;br&gt;ARI 4&lt;br&gt;ARI 5</td>
<td>Pass</td>
</tr>
<tr>
<td>3</td>
<td>The tester views chunks, value, units and unit type on the webpage</td>
<td>The output is seen on a webpage explaining the chunks, values, units and unit-types</td>
<td>ARI 6</td>
<td>Pass</td>
</tr>
<tr>
<td>4</td>
<td>The tester may close the browser in between or after viewing the output</td>
<td>The application stops and the browser closes</td>
<td>ARI 7</td>
<td>Pass</td>
</tr>
<tr>
<td>5</td>
<td>The tester may enter a new input again</td>
<td>The text box appears again for the user allowing to give a new input</td>
<td>ARI 8</td>
<td>Pass</td>
</tr>
<tr>
<td>6</td>
<td>The tester may enter the input string of any length</td>
<td>Tester enters the string of any length</td>
<td>ARI 9</td>
<td>Pass</td>
</tr>
</tbody>
</table>

Table 2: Test Application Items

5. Overall Results

KSNES passed the formal qualification testing and is ready for the final MSE presentation.