Tracking Competition – RADAR

Minor Project

IBM Career Education

Disclaimer

This Software Requirements Specification document is a guideline. The document details all the high level requirements. The document also describes the broad scope of the project. While developing the solution if the developer has a valid point to add more details being within the scope specified then it can be accommodated after consultation with IBM designated Mentor.

INTRODUCTION

The purpose of this document is to define scope and requirements of a tool to track news about competition – RADAR for an Indian Oil Company. The tool will track the latest news about its competitor against a set of user definable keywords. This news will be obtained in form of RSS feed and displayed via a specialized RSS Reader on the company's intranet.

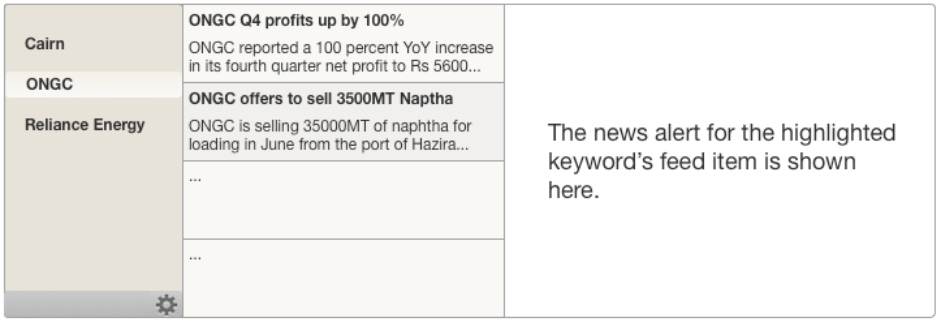
This document is the primary input to the development team to architect a solution for this project.

System Users

All employees authorized to access intranet shall be able to leverage the competitor news-tracking tool, RADAR.

REQUIREMENTS

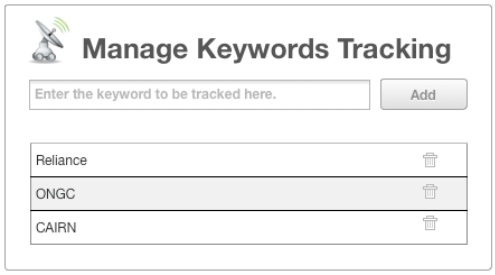
The intranet user clicks on the *RADAR* link to view the tracked news subscriptions. The RADAR page appears as follows.



The view will be displayed in a three-column layout. The leftmost column will display the keywords that are being tracked. The top most keyword is always selected by default. The middle column displays the selected keyword's feed items, data time stamp (not shown in the layout) and a brief description below it. On selecting the feed item, the rightmost column displays the corresponding news alert in detail. A gear icon at the bottom of leftmost column allows the user to manage the keywords to be tracked.

Manage Keyword Tracking

On click of the gear tool icon appearing at the bottom right of first column, the manage keyword tracking page appears.



The keyword is added in the text box. Clicking “Add” button creates Google news RSS URL for the added keyword and stores it automatically. Details on how to use Google News RSS are available at http://support.google.com/news/bin/answer.py?hl=en&answer=59255 URL.

A keyword may be removed from tracking by clicking the “trash” icon against the keyword as shown in the UI.

About RSS

Really **S**imple **S**yndication (RSS), is a web content syndication format. Learn more about RSS at http://cyber.law.harvard.edu/rss/rss.html#sampleFiles URL.

Though RSS feeds provide various tags for accessing the web content, but for the purpose of this project, only a select few are being proposed. A sample RSS code is given below for your reference. The structure of RSS feed will include tags for feed title, item(s) – title, link, description, guid. The tags mentioned here are highlighted in yellow in the sample code.

```
<?xml version="1.0"?>
<rss version="2.0">
  <channel>
    <title>Liftoff News</title>
    <link>http://liftoff.msfc.nasa.gov/</link>
    <description>Liftoff to Space Exploration.</description>
    <language>en-us</language>
    <pubDate>Tue, 10 Jun 2003 04:00:00 GMT</pubDate>
    <lastBuildDate>Tue, 10 Jun 2003 09:41:01 GMT</lastBuildDate>
    <docs>http://blogs.law.harvard.edu/tech/rss</docs>
    <generator>Weblog Editor 2.0</generator>
    <managingEditor>editor@example.com</managingEditor>
    <webMaster>webmaster@example.com</webMaster>

    <item>
      <title>Star City</title>
      <link>http://liftoff.msfc.nasa.gov/news/news-starcity.asp</link>
      <description>
                How do Americans get ready to work with Russians aboard
                the International Space Station? They take a crash course
                in culture, language and protocol at Russia's &lt;a
                href="http://howe.iki.rssi.ru/GCTC/gctc_e.htm"&gt;Star
                City&lt;/a&gt;.
      </description>
      <pubDate>Tue, 03 Jun 2003 09:39:21 GMT</pubDate>
      <guid>http://liftoff.msfc.nasa.gov/2003/06/03.html#item573</guid>
    </item>
    <item>
      <description>
                Sky watchers in Europe, Asia, and parts of Alaska and
                Canada will experience a &lt;a
                href="http://science.nasa.gov/headlines/y2003/30may_solare
                clipse.htm"&gt;partial eclipse of the Sun&lt;/a&gt; on
                Saturday, May 31st.
      </description>
      <pubDate>Fri, 30 May 2003 11:06:42 GMT</pubDate>
      <guid>http://liftoff.msfc.nasa.gov/2003/05/30.html#item572</guid>
    </item>
  </channel>
</rss>
```

DEVELOPMENT ENVIRONMENT

RADAR will be developed as a web application using Java/JSP and DB2 database. Eclipse will be used as the IDE for the same. Knowledge of XML is a must for this project.