# Personal RSS Reader – MyRSS

**Minor Project**

*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 RSS feed reader for the users of Corporate Intranet. This feature named as 'MyRSS' is a part of customization in the Intranet space for the users to view content as per their needs or reading requirements.  The proposed feature will empower users to achieve the following:

1. Users can add and manage RSS feeds of their choice.
2. Simple interface to navigate through RSS feed based content.

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 MyRSS feature.

### About RSS

**R**eally **S**imple **S**yndication (RSS), is a web content syndication format.

RSS uses XML for communication. Conformance to XML 1.0 version standards as defined in the World Wide Web Consortium (W3C) standards is a must.

Learn more about RSS at http://cyber.law.harvard.edu/rss/rss.html#sampleFiles

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 following tags are a must for syndicating the web content on company's intranet.

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
<?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>
```

## REQUIREMENTS

The intranet user clicks on the *MyRSS* link to view the content subscribed to on the landing page. The RSS content page appears as follows.
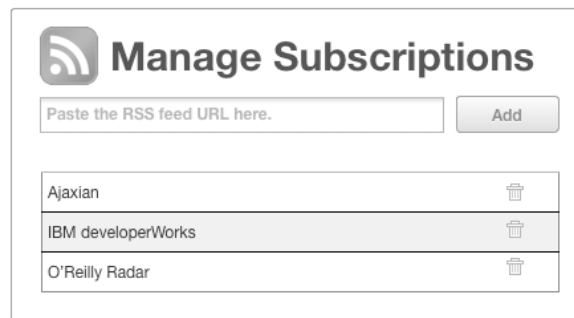


The view will be displayed in a three-column layout. The leftmost column will display the list of feeds with their Favicons. These feeds are based on the user subscription. Each user can view the content subscribed by them. A default view where there is no subscription, displays a no data in the columns. One feed is selected by default, will appear as highlighted. The middle column displays the feed

items, data time stamp (not shown in the layout) and a brief description below it for the selected Feed. On selecting the feed item, the rightmost column displays the corresponding content in detail. A gear icon at the bottom of leftmost column allows the user to manage the RSS Feeds.

## Manage Feed Subscriptions

On click of the gear tool icon appearing at the bottom right of first column on the landing page, the manage subscriptions page appears.



This layout has two sections allowing the user to a) Paste a new RSS feed URL and click on Add button will add the RSS feed to the list below, b) User the trash icon to remove the RSS feed listed in the second section.

**DEVELOPMENT ENVIRONMENT**

MyRSS 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.