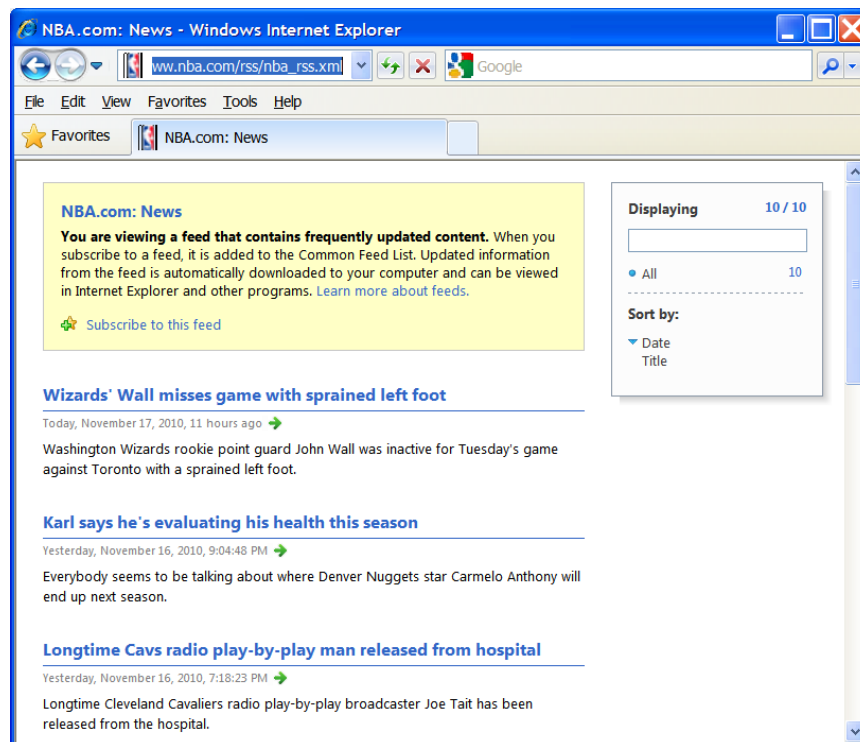


In this assignment you will produce an Android application to collect headline sports news from any of the professional sport organizations such as the NBA, NFL, PGA, etc. and locally store it into a SQL database. For instance the NBA RSS URL is http://www.nba.com/rss/nba_rss.xml. This particular source subscribes to the RSS 2.0 standard discussed in class.

STEPS

1. Create a SQLite database, call it **myDB**.
2. Create the table **NBANEWS (Title, Description, PubDate)**.
3. You need to transfer and parse the NBA News XML file to your application (see example discussed in class – Lecture 18).
4. Each item extracted from the feed should be stored in the local SQLite database (using *insert into nbanews values (...)* command).
5. Close the database.
6. Reopen the database.
7. Use a cursor to visit the data saved in the database table (you must use a SQL “select” statement and a *cursor* for this step)
8. Use Android’s Toast command to show the items’ titles

An Image of the RSS Feed: NBA Headlines (http://www.nba.com/rss/nba_rss.xml)



A Portion of the corresponding XML file

```
<?xml version="1.0" encoding="UTF-8"?>
<rss version="2.0">
<channel>
<title>NBA.com: News</title>
<link>http://www.nba.com/news</link>
<description>NBA.com delivers the latest news, video, and scores from around the NBA league.</description>
<language>en-us</language>
<copyright>Copyright (c) 2010NBA Media Ventures, LLC. All rights reserved.</copyright>
<managingEditor>webmaster@nba.com</managingEditor>
<pubDate>Wed, 17 Nov 2010 01:09:06 EST</pubDate>
<lastBuildDate>Wed, 17 Nov 2010 01:09:06 EST</lastBuildDate>
<image>
<title>NBA.com</title>
<link>http://www.nba.com/news</link>
<url>http://i.cdn.turner.com/nba/nba/media/nba_rss.jpg</url>
<width>144</width>
<height>38</height>
</image>
<item>
<title><![CDATA[
                                Wizards' Wall misses game with sprained left foot]]>
                                </title>
<link>http://www.nba.com/2010/news/11/17/wall-injury/index.html?rss=true
                                </link>
<description>Washington Wizards rookie point guard John Wall was inactive for Tuesday's game against Toronto with a sprained left
foot.</description>
<pubDate>Wed, 17 Nov 2010 01:06:13 EST</pubDate>
</item>
<item>
<title><![CDATA[
                                Karl says he's evaluating his health this season]]>
                                </title>
<link>http://www.nba.com/2010/news/11/16/karl-health.ap/index.html?rss=true
                                </link>
<description>Everybody seems to be talking about where Denver Nuggets star Carmelo Anthony will end up next season.</description>
<pubDate>Tue, 16 Nov 2010 21:04:48 EST</pubDate>
</item>
<item>
<title><![CDATA[
                                Longtime Cavs radio play-by-play man released from hospital]]>
                                </title>
<link>http://www.nba.com/2010/news/11/16/tait-hospital.ap/index.html?rss=true
                                </link>
<description>Longtime Cleveland Cavaliers radio play-by-play broadcaster Joe Tait has been released from the hospital.</description>
<pubDate>Tue, 16 Nov 2010 19:18:23 EST</pubDate>
</item>
```