


RssFeed

RSS example

JACSICE



Title

Link

Description


Fetch

Result

RssFeed

RSS example

JACSICE



Best Search Engine

http://www.google.com

World's best search engine

Fetch

Result

Second

This XML file does not appear to have any style information associated with it. The document tree is shown below.

```

<rss version="2.0">
  <channel>
    <title>Best Search Engine</title>
    <link>http://www.google.com</link>
    <description>World's best search engine</description>
  </channel>
</rss>

```



activity_main.xml

```
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:paddingBottom="@dimen/activity_vertical_margin"
    android:paddingLeft="@dimen/activity_horizontal_margin"
    android:paddingRight="@dimen/activity_horizontal_margin"
    android:paddingTop="@dimen/activity_vertical_margin"
    tools:context=".MainActivity" >
```

```
<TextView android:text="RSS example"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:id="@+id/textview"
    android:textSize="35dp"
    android:layout_alignParentTop="true"
    android:layout_centerHorizontal="true" />
```

```
<TextView
    android:id="@+id/textView"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@+id/textview"
    android:layout_centerHorizontal="true"
    android:text="JACSICE"
    android:textColor="#ff7aff24"
    android:textSize="35dp" />
```

```
<ImageView
```

```
android:id="@+id/imageView"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_below="@+id/textView"
android:layout_centerHorizontal="true"
android:src="@drawable/jacsice" />
```

<EditText

```
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:id="@+id/editText"
android:layout_below="@+id/imageView"
android:hint="Title"
android:textColorHint="#ff69ff0e"
android:layout_alignParentRight="true"
android:layout_alignParentEnd="true"
android:layout_alignParentLeft="true"
android:layout_alignParentStart="true" />
```

<EditText

```
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:id="@+id/editText2"
android:layout_below="@+id/editText"
android:layout_alignLeft="@+id/editText"
android:layout_alignStart="@+id/editText"
android:textColorHint="#ff21ff11"
android:hint="Link"
android:layout_alignRight="@+id/editText"
android:layout_alignEnd="@+id/editText" />
```

<EditText

```
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:id="@+id/editText3"
    android:layout_below="@+id/editText2"
    android:layout_alignLeft="@+id/editText2"
    android:layout_alignStart="@+id/editText2"
    android:hint="Description"
    android:textColorHint="#ff33ff20"
    android:layout_alignRight="@+id/editText2"
    android:layout_alignEnd="@+id/editText2" />
```

<Button

```
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Fetch"
    android:id="@+id/button"
    android:layout_below="@+id/editText3"
    android:layout_alignParentLeft="true"
    android:layout_alignParentStart="true"
    android:layout_toLeftOf="@+id/imageView"
    android:layout_toStartOf="@+id/imageView" />
```

<Button

```
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Result"
    android:id="@+id/button2"
    android:layout_alignTop="@+id/button"
    android:layout_alignRight="@+id/editText3"
    android:layout_alignEnd="@+id/editText3" />
```

</RelativeLayout>

MainActivity.java

```
package com.example.rssfeed;
```

```
import android.app.Activity;
```

```
import android.content.Intent;
```

```
import android.os.Bundle;
```

```
import android.view.Menu;
```

```
import android.view.MenuItem;
```

```
import android.view.View;
```

```
import android.widget.Button;
```

```
import android.widget.EditText;
```

```
public class MainActivity extends Activity {
```

```
    private EditText title, link, description;
```

```
    private Button b1, b2;
```

```
    //private String finalUrl = "http://192.168.1.83:8080/android/ex6/searchengines.xml";
```

```
    private String finalUrl = "http://android.jacsice.in/searchengines.xml";
```

```
    //private String finalUrl = "http://android.jacsice.in/colleges.xml";
```

```
    private HandleXML obj;
```

```
    @Override
```

```
    protected void onCreate(Bundle savedInstanceState) {
```

```
        super.onCreate(savedInstanceState);
```

```
        setContentView(R.layout.activity_main);
```

```
        title = (EditText) findViewById(R.id.editText);
```

```
        link = (EditText) findViewById(R.id.editText2);
```

```
        description = (EditText) findViewById(R.id.editText3);
```

```
        b1 = (Button) findViewById(R.id.button);
```

```

b2 = (Button) findViewById(R.id.button2);
b1.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        obj = new HandleXML(finalUrl);
        obj.fetchXML();

        while (obj.parsingComplete);
        title.setText(obj.getTitle());
        link.setText(obj.getLink());
        description.setText(obj.getDescription());
    }
});

b2.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        Intent in = new Intent(MainActivity.this, Second.class);
        startActivity(in);
    }
});
}
}

```

HandleXML.java

```

package com.example.rssfeed;

import java.io.InputStream;
import java.net.HttpURLConnection;
import java.net.URL;

```

```
import org.xmlpull.v1.XmlPullParser;
import org.xmlpull.v1.XmlPullParserFactory;

public class HandleXML {
    private String title = "title";
    private String link = "link";
    private String description = "description";
    private String urlString = null;
    private XmlPullParserFactory xmlFactoryObject;
    public volatile boolean parsingComplete = true;

    public HandleXML(String url){
        this.urlString = url;
    }

    public String getTitle(){
        return title;
    }

    public String getLink(){
        return link;
    }

    public String getDescription(){
        return description;
    }

    public void parseXMLAndStoreIt(XmlPullParser myParser) {
        int event;
        String text=null;
```

```
try {  
    event = myParser.getEventType();  
  
    while (event != XmlPullParser.END_DOCUMENT) {  
        String name=myParser.getName();  
  
        switch (event){  
            case XmlPullParser.START_TAG:  
                break;  
  
            case XmlPullParser.TEXT:  
                text = myParser.getText();  
                break;  
  
            case XmlPullParser.END_TAG:  
  
                if(name.equals("title")){  
                    title = text;  
                }  
  
                else if(name.equals("link")){  
                    link = text;  
                }  
  
                else if(name.equals("description")){  
                    description = text;  
                }  
  
                else{  
                }  
            }  
        }  
    }  
}
```



```
break;
```

```
}
```

```
event = myParser.next();
```

```
}
```

```
parsingComplete = false;
```

```
}
```

```
catch (Exception e) {
```

```
    e.printStackTrace();
```

```
}
```

```
}
```

```
public void fetchXML(){
```

```
    Thread thread = new Thread(new Runnable(){
```

```
        @Override
```

```
        public void run() {
```

```
            try {
```

```
                URL url = new URL(urlString);
```

```
                HttpURLConnection conn = (HttpURLConnection) url.openConnection();
```

```
                conn.setReadTimeout(10000 /* milliseconds */); // 10000
```

```
                conn.setConnectTimeout(15000 /* milliseconds */); //15000
```

```
                conn.setRequestMethod("GET");
```

```
                conn.setDoInput(true);
```

```
                // Starts the query
```

```
                conn.connect();
```

```

InputStream stream = conn.getInputStream();

xmlFactoryObject = XmlPullParserFactory.newInstance();
XmlPullParser myparser = xmlFactoryObject.newPullParser();

myparser.setFeature(XmlPullParser.FEATURE_PROCESS_NAMESPACES, false);
myparser.setInput(stream, null);

parseXMLAndStoreIt(myparser);
stream.close();
}

catch (Exception e) {
}
}
});
thread.start();
}
}

```

activity_second.xml

```

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:orientation="vertical" android:layout_width="match_parent"
    android:layout_height="match_parent">

    <WebView
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:id="@+id/webView"

```

```
        android:layout_gravity="center_horizontal" />
</LinearLayout>
```

SecondActivity.java

```
package com.example.rssfeed;

import android.app.Activity;
import android.os.Bundle;
import android.webkit.WebView;

public class SecondActivity extends Activity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_second);
        WebView w1=(WebView)findViewById(R.id.webView);
        //w1.loadUrl("http://192.168.1.83:8080/android/ex6/searchengines.xml");
        w1.loadUrl("http://android.jacsice.in/searchengines.xml");
        //w1.loadUrl("http://android.jacsice.in/colleges.xml");
    }
}
```

searchengines.xml

```
<rss version="2.0">
<channel>
<title>Best Search Engine</title>
<link>http://www.google.com</link>
<description>World's best search engine</description>
</channel>
</rss>
```