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Kxml Parser Example

Kxml Parser Example

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In this example we use "catching parsing events" way to parse the xml.

Kxml Parser Example

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In this example we use "catching parsing events" way to parse the xml. Through 'catching parsing events', the parser traverses the XML data and issues callbacks to a previously registered event listener whenever it encounters particular structures in the data. For example, when the parser encounters an opening tag such as <employee> then the event listener would receive an event notifying it of the encounter and pass it any necessary information. A parser implements such a strategy is called a push parser because the parser is "pushing" the event to a listener.

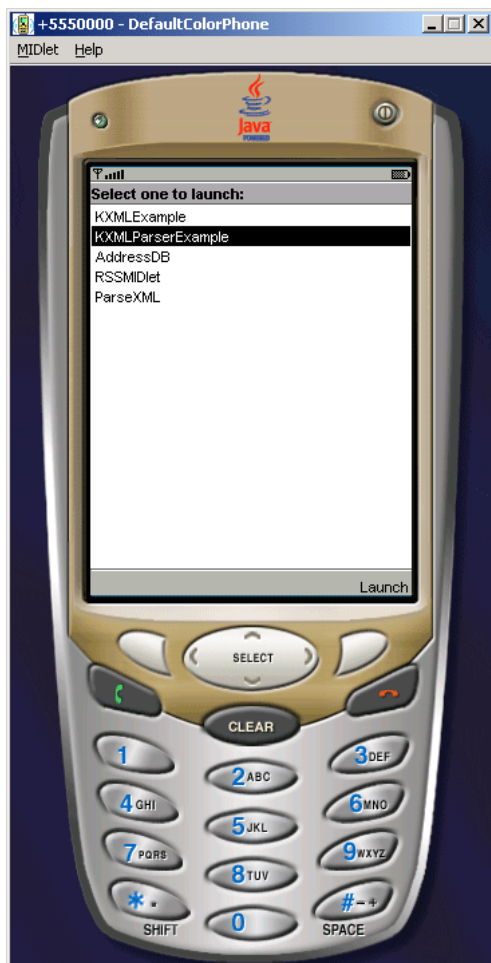**The Entire Application is as follows:**

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J2ME Kxml Example

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Program console screen shot:


```
----------[ EMP-DETAILS ]----------
name: Sandeep Kumar Suman
designation: J2ME Programmer
city: Gorakhpur
state: UP
----------------------------------
```
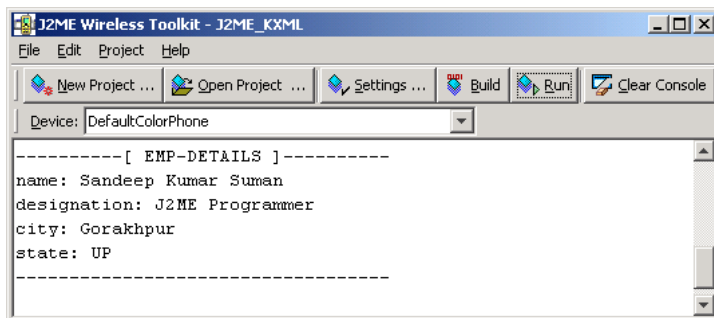
Full code of the application

KXMLParserExample.java

```java
import java.io.*;
import org.kxml.*;
import org.kxml.parser.*;
import javax.microedition.io.*;
import javax.microedition.lcdui.*;
import javax.microedition.midlet.*;

public class KXMLParserExample extends MIDlet {
  public String emp = "/employee.xml";
  XmlParser parser = null;

  protected void startApp(){
  try{
  parser = new XmlParser(new
  InputStreamReader(this.getClass().getResourceAsStream(emp)), 300);
```
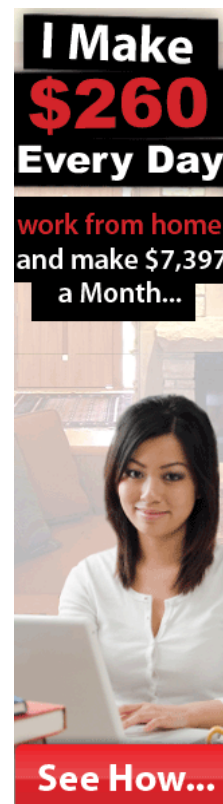
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```java
    while((event = parser.read()).getType() != Xml.END_DOCUMENT){

    if(event.getType() == Xml.START_TAG){

    String name = event.getName();

    if(name != null && name.equals("details")){

    System.out.println("----------[ EMP-DETAILS ]----------");

    parseAddressTag( parser );

    System.out.println("---------------------------------\n");

    }

    name = null;

    }

    event = null;

    }

    }catch (IOException ioe){

    System.out.println("XML Parsing Error: " + ioe);

    ioe.printStackTrace();

    }finally{

    parser = null;

    }

    }


    protected void pauseApp(){}


    public void parseAddressTag( XmlParser parser ) throws IOException {

    ParseEvent event = null;

    while ((event = parser.peek()).getType() != Xml.END_DOCUMENT) {

    String name = event.getName();

    int type = event.getType();

    if (type == Xml.END_TAG && name.equals("details")) {

    event = null;

    name = null;

    return;

    }

    event = parser.read();

    if (type != Xml.START_TAG) {

    event = null;

    continue;

    }

    ParseEvent next = parser.read();

    if (next.getType() != Xml.TEXT) {

    event = null;

    next = null;

    continue;

    }

    String text = next.getText();

    System.out.println( name + ": " + text );

    event = null;

    text = null;

    next = null;

    }

    }


    protected void destroyApp(boolean arg){

    notifyDestroyed();

    }
}
```

employee.xml

```xml
<employee>

  <details>
```

```
   <name>Sandeep Kumar
Suman</name>
  <designation>J2ME
Programmer</designation>
  <city>Gorakhpur</city>
  <state>UP</state>
  </details>


</employee>
```

Download Source Code of the application discussed above.

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