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/**
 * Class Name:      : WapWriterObject.class
 * Version:        : Release 1 Build 2
 * Date:           : 2000 JAN 11
 * Author:         : Don Baldwin
 * Copyright       : 2000 ASR Strategic Resources
 *
 * Description:    : This is a java class that builds up a
 *                  WML string piece by piece and finally
 *                  sends the object to the PrintWriter object.
 *                  The appendText method controls that the
 *                  output is not too long for the Wap device.
 *
 * Version         Date       Author
 * Release 1      2000 MAR 27 Don Baldwin
 *                Tested and accepted the class
 * Build 2        2000 MAR 26 Don Baldwin
 *                Modified the class for the AITP
 *                presentation
 * Build 1        2000 JAN 11 Ulf Hedlund
 *                Wrote the class
 *
 * Known Bugs     : None
 */
import java.io.PrintWriter;

public class WapWriterObject
{
    private static final int          intMaxLengthC    = 1200;

    private static      StringBuffer  bfrOutput;
    private static      PrintWriter   objWriter;

    /**
     * When we create an instance of this object, we need to
     * pass the PrintWriter object to the constructor to let
     * the class know where it should send the output.
     */
    public void setWriterObject(PrintWriter aWriter)
    {
        objWriter = aWriter;
    }

    /**
     * This is the beginning of all WML documents.
     */
    private String getStartString()
    {
        return
            "<?xml version = \"1.0\"?>"+
            "<!DOCTYPE wml PUBLIC \"-//WAPFORUM//DTD WML 1.1//EN\""+
            "\"http://www.wapforum.org/DTD/wml1_1.1.xml\">"+
            "<wml>";
    }

    /**
     * This is the end of all WML documents.
     */
    private String getEndString()
    {
        return "</wml>";
    }

    /**
     * The appendText method appends a String to the end of the string

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* buffer, making sure that the output is not too long to be displayed
* on the Wap device.
*/
public void appendText(String aText)
{
    if(bfrOutput == null)
    {
        bfrOutput = new StringBuffer(getStartString());
    }
    if((bfrOutput.length() + aText.length()) <= (intMaxLengthC - getEndString().length()))
    {
        bfrOutput.append(aText);
    }
}

/**
* This method appends the end string to the stringbuffer, and
* finally sends the text to the print writer which handles the
* display on the Wap device.
*/
public void sendText()
{
    bfrOutput.append(getEndString());
    objWriter.println(bfrOutput);
    bfrOutput = null;
}
} // END Class WapWriterObject.java

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