

Project Description:

A voice XML project to listen to news using RSS feeds. For each category the user selects, user will listen to the Title and description of each news. To distinguish between the title and description the voice pitch and other factors are modified between title and description. Can be used in real-time by just simply calling the cell phone number provided.

Technology Used:

XSLT

Voice XML

PHP DOM

Cell Phone Number:

(832)479-7556

XSLT code:

File1:

```
<?xml version="1.0" encoding="UTF-8"?>
<xsl:stylesheet xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
  xmlns:xs="http://www.w3.org/2001/XMLSchema"
  exclude-result-prefixes="xs"
  version="1.0">

  <xsl:template match="/">

    <vxml version="2.0">
      <menu id="mainmenu" dtmf="true">
        Welcome to NEWS page created by Rutuja. Now, listen to latest
        news by just calling the number. Listen carefully and select your favorite
        NEWS category.
        <prompt>
          <enumerate>
            Press <value expr="_dtmf"/> for <value expr="_prompt"/>
          </enumerate></prompt>
        <xsl:for-each select="news/category">
          <xsl:element name="choice" >
            <xsl:attribute name="next">
              <xsl:value-of select="concat('#',.)"/>
            </xsl:attribute>
          </xsl:element>
        </xsl:for-each>
      </menu>
    </vxml>
  </template>
</xsl:stylesheet>
```

```

        </xsl:attribute>
        <xsl:value-of select="."/>

    </xsl:element>

</xsl:for-each>
</menu>

<xsl:for-each select="news/category">

    <xsl:element name="form" >
        <xsl:attribute name="id"><xsl:value-of select="."/>
        </xsl:attribute>

        <block>

            You pressed
            <xsl:value-of select="."/>
            <break strength="medium" time="500" />

            <xsl:element name="submit" >
                <xsl:attribute
name="next">http://lyle.smu.edu/~rmandhare/cse7347/hw10_2.php?cat=<xsl:value-
of select="."/></xsl:attribute>
                <xsl:attribute name="Method">GET</xsl:attribute>
            </xsl:element>
        </block>
    </xsl:element>

</xsl:for-each>

</vxml>
</xsl:template>
</xsl:stylesheet>

```

File2:

```

<?xml version="1.0" encoding="UTF-8"?>
<xsl:stylesheet xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
  xmlns:xs="http://www.w3.org/2001/XMLSchema"
  exclude-result-prefixes="xs"
  version="1.0">

  <xsl:param name="gen"></xsl:param>
  <xsl:template match="/">

    <vxml version="2.0" >
      <form>
        <block>

          <xsl:choose>
            <xsl:when test="$gen = 'Sports'">
              <xsl:for-each select="//item/title">

```

```

volume="soft">
    <prosody pitch ="medium" rate="medium"
        <xsl:value-of select="."/>
    </prosody>
format="semantics/1.0">
    <grammar mode="voice" type="text/gsl" tag-

        <break size="small"/>
        <xsl:value-of select="//item/description"/>
        <break size="medium"/>
    </grammar>
    </xsl:for-each>
</xsl:when>
<xsl:when test="$gen = 'Entertainment'">
    <xsl:for-each select="//item/title">

        <prosody pitch ="medium" rate="medium"
            <xsl:value-of select="."/>
        </prosody>
        <grammar mode="voice" type="text/gsl" tag-

            <break size="medium"/>
            <xsl:value-of select="//item/description"/>
            <break size="high"/>
        </grammar>
    </xsl:for-each>

</xsl:when>

<xsl:when test="$gen = 'Politics'">
    <xsl:for-each select="//item/title">
        <prosody pitch ="medium" rate="medium"
            <xsl:value-of select="."/>
        </prosody>
        <grammar mode="voice" type="text/gsl" tag-

            <break size="small"/>
            <xsl:value-of select="//item/description"/>
            <break size="medium"/>
        </grammar>
    </xsl:for-each>

</xsl:when>
<xsl:when test="$gen = 'world'">
    <xsl:for-each select="//item/title">
        <prosody pitch ="medium" rate="medium"
            <xsl:value-of select="."/>

```

```

        </prosody>
        <grammar mode="voice" type="text/gsl" tag-
format="semantics/1.0">
            <break size="small"/>
            <xsl:value-of
select="//item/description"/>
            <break size="medium"/>
        </grammar>
    </xsl:for-each>

</xsl:when>
<xsl:when test="$gen = 'Science'">
    <xsl:for-each select="//item/title">
        <prosody pitch ="medium" rate="medium"
volume="soft">
            <xsl:value-of select="."/>
        </prosody>
        <grammar mode="voice" type="text/gsl" tag-
format="semantics/1.0">
            <break size="small"/>
            <xsl:value-of
select="//item/description"/>
            <break size="medium"/>
        </grammar>
    </xsl:for-each>

</xsl:when>
<xsl:when test="$gen = 'Health'">
    <xsl:for-each select="//item/title">
        <prosody pitch ="medium" rate="medium"
volume="soft">
            <xsl:value-of select="."/>
        </prosody>
        <grammar mode="voice" type="text/gsl" tag-
format="semantics/1.0">
            <break size="small"/>
            <xsl:value-of
select="//item/description"/>
            <break size="medium"/>
        </grammar>
    </xsl:for-each>

</xsl:when>
<xsl:when test="$gen = 'USA'">
    <xsl:for-each select="//item/title">
        <prosody pitch ="medium" rate="medium"
volume="soft">
            <xsl:value-of select="."/>
        </prosody>

```

```

format="semantics/1.0">
    <grammar mode="voice" type="text/gsl" tag-
        <break size="small"/>
        <xsl:value-of
select="//item/description"/>
        <break size="medium"/>
        </grammar>
    </xsl:for-each>

    </xsl:when>
    <xsl:otherwise>
        Please enter the correct Option
    </xsl:otherwise>
    </xsl:choose>
-->

    <xsl:text></xsl:text>

    </block>

    </form>

</vxml>

</xsl:template>

</xsl:stylesheet>

```

PHP File:

File1:

```

<?php
//error_reporting(E_ALL);
//init_set('display_errors','1');

$xml=new DOMDocument;
$xml->load('hw101.xml');

$xml=new DOMDocument;
$xml->load('hw10_1.xml');

$xmlt=new XSLTProcessor;

```

```
$xslt->importStyleSheet($xsl);
```

```
echo $xslt->transformToXML($xml)
?>
```

File2:

```
<?php
```

```
//error_reporting(E_ALL);
//init_set('display_errors','1');
```

```
$abc=$_GET['cat'];
```

```
if ($abc=="Entertainment")
{
$rss = new DOMDocument();
$rss->load('http://news.yahoo.com/rss/entertainment');
}
```

```
if ($abc=="Sports")
{
$rss = new DOMDocument();
$rss->load('http://news.yahoo.com/rss/sports');
}
```

```
if ($abc=="Politics")
{
$rss = new DOMDocument();
$rss->load('http://rss.cnn.com/rss/cnn_topstories.rss');
}
```

```
if ($abc=="World")
{
$rss = new DOMDocument();
$rss->load('http://news.yahoo.com/rss/world');
}
```

```
if ($abc=="Science")
{
$rss = new DOMDocument();
$rss->load('http://news.yahoo.com/rss/science');
}
```

```
if ($abc=="Health")
{
$rss = new DOMDocument();
$rss->load('http://news.yahoo.com/rss/health');
```

```

}
if ($abc=="USA")
{
$rss = new DOMDocument();
$rss->load('http://news.yahoo.com/rss/us');
}

```

```

$xml=new DOMDocument;
$xml->load('hw10_2.xml');

```

```

$xmlt=new XSLTProcessor;
$xmlt->importStyleSheet($xml);

```

```

$xmlt->setParameter('', 'gen', $abc);
echo str_replace("<?xml version=\"1.0\"?>", " ", $xmlt->transformToXML($rss));

?>

```

XML File:

```

<?xml version="1.0" encoding="UTF-8"?>
<news>
  <category>Sports</category>
  <category>Entertainment</category>
  <category>world</category>
  <category>Science</category>
  <category>Health</category>
  <category>Politics</category>
  <category>USA</category>
</news>

```