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This example is all about how to play the MPEG files on your mobile device. To play the video file we have to import the javax.microedition.media.control package and certain sub-package that are required for the application.

Video Player MIDlet Example

<—Prior   Index   Next—>

This example is all about how to play the MPEG files on your mobile device. To play the video file we have to import the javax.microedition.media.control package and certain sub-package that are required for the application.

Given are the classes and interfaces that are available in the above mentioned package.

javax.microedition.media

Interfaces

Control
Controllable
Player
PlayerListener
TimeBase

Classes

Manager

Exceptions

MediaException

javax.microedition.media.control

Interfaces

FramePositioningControl

GUIControl

MetaDataControl

MIDIControl

PitchControl

RateControl

RecordControl

StopTimeControl

TempoControl

ToneControl

VideoControl

VolumeControl

The Application is as follows:
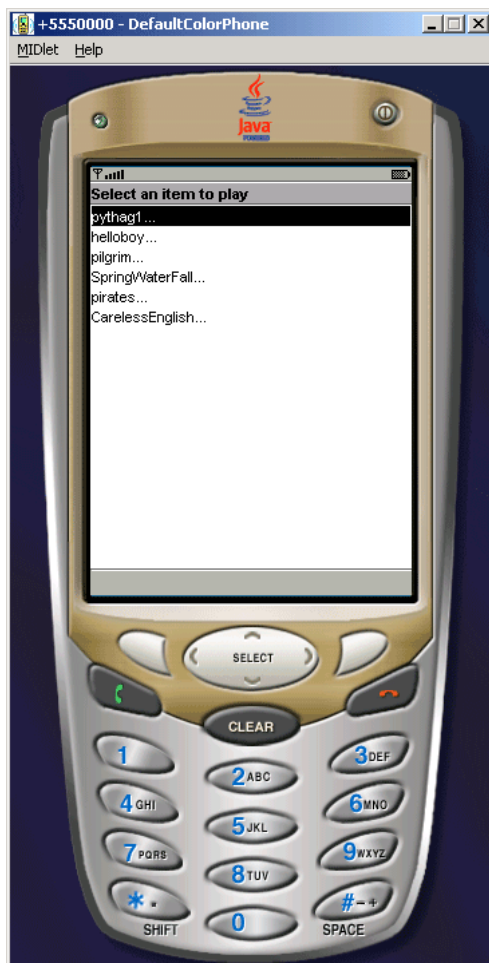
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Source Code of VideoPlayer.java

```java
import java.io.*;
import java.util.*;
import javax.microedition.lcdui.*;
import javax.microedition.midlet.*;
import javax.microedition.media.*;
import javax.microedition.media.control.*;

public class VideoPlayer extends MIDlet implements CommandListener,
PlayerListener {
  private Display display;
  private List itemList;
  private Form form;
  private Command stop, pause, start;
  private Hashtable items, itemsInfo;
  private Player player;

  public VideoPlayer() {
  display = Display.getDisplay(this);
  itemList = new List("Select an item to play", List.IMPLICIT);
  stop = new Command("Stop", Command.STOP, 1);
  pause = new Command("Pause", Command.ITEM, 1);
  start = new Command("Start", Command.ITEM, 1);
  form = new Form("Playing video");
  form.addCommand(stop);
  form.addCommand(pause);
  form.setCommandListener(this);
  items = new Hashtable();
  itemsInfo = new Hashtable();
```

```java
items.put("SpringWaterFall...", "file://SpringWaterFall.mpg");
itemsInfo.put("SpringWaterFall...", "video/mpeg");

items.put("helloboy...", "file://helloboy.mpg");
itemsInfo.put("helloboy...", "video/mpeg");

items.put("pilgrim...", "file://pilgrim.mpg");
itemsInfo.put("pilgrim...", "video/mpeg");

items.put("pirates...", "file://pirates.mpg");
itemsInfo.put("pirates...", "video/mpeg");

items.put("pythag1...", "file://pythag1.mpg");
itemsInfo.put("pythag1...", "video/mpeg");

items.put("CarelessEnglish...", "file://CarelessEnglish.mpg");
itemsInfo.put("CarelessEnglish...", "video/mpeg");
}

public void startApp() {
for(Enumeration en = items.keys(); en.hasMoreElements();) {
itemList.append((String)en.nextElement(), null);
}
itemList.setCommandListener(this);
display.setCurrent(itemList);
}

public void pauseApp() {
try {
if(player != null) player.stop();
} catch(Exception e) {}
}

public void destroyApp(boolean unconditional) {
if(player != null) player.close();
}

public void commandAction(Command c, Displayable d){
if(d instanceof List) {
List list = ((List)d);
String key = list.getString(list.getSelectedIndex());
try {
playAudio((String)items.get(key), key);
} catch (Exception e) {
System.err.println("Unable to play: " + e);
e.printStackTrace();
}
} else if(d instanceof Form){
try {
if(c == stop){
player.close();
display.setCurrent(itemList);
form.removeCommand(start);
form.addCommand(pause);
} else if(c == pause){
player.stop();
form.removeCommand(pause);
form.addCommand(start);
} else if(c == start){
player.start();
form.removeCommand(start);
```

```
  form.addCommand(pause);
  }
  } catch(Exception e) {
  System.err.println(e);
  }
  }
  }


  private void playAudio(String locator, String key) throws Exception
  String file = locator.substring(locator.indexOf("file://") + 6,
locator.length());
  player = Manager.createPlayer(getClass().getResourceAsStream(file),
(String)itemsInfo.get(key));
  player.addPlayerListener(this);
  player.setLoopCount(-1);
  player.prefetch();
  player.realize();
  player.start();
  }


  public void playerUpdate(Player player, String event, Object eventDa
  if(event.equals(PlayerListener.STARTED) && new Long(0L).equals((Long
eventData)) {
  VideoControl vc = null;
  if((vc = (VideoControl)player.getControl("VideoControl")) != null) {
  Item videoDisp = (Item)vc.initDisplayMode(vc.USE_GUI_PRIMITIVE, null
  form.append(videoDisp);
  }
  display.setCurrent(form);
  } else if(event.equals(PlayerListener.CLOSED)) {
  form.deleteAll();
  }
  }
}
```

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Thank you Thank you Thank you Thank you

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midlet

I am not getting the output from this code .... can u explain me how i can get executed with plaing video.....

Goutam

November 10, 2012

Midlet

in this program , where will i keep the file in Neatbean "file://CarelessEnglish.mpg"

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