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J2ME Alert Example

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This example illustrates how to create alert through sound. In this example we are using AlertType class for the different alert.

J2ME Alert Example

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Sound Alerts using MIDlet in J2ME

This example illustrates how to create alert through sound. In this example we are using **AlertType** class for the different alert. The **AlertType()** class has only one method:
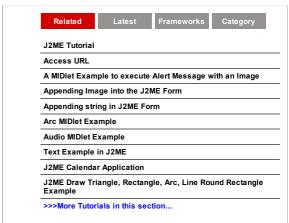
- **playSound(Display display):-** This is the boolean type method, it is used to Alert user by playing the sound.
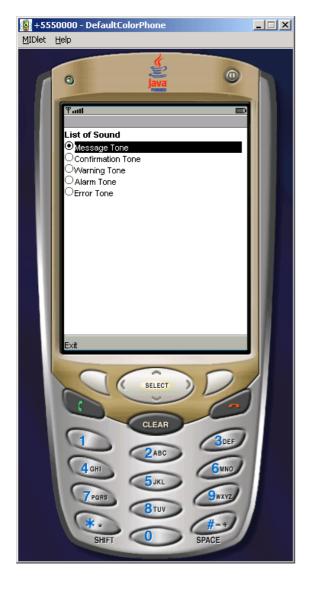
There are different **Alert Types** in J2ME:

- **ALARM**
- **CONFIRMATION**
- **ERROR**
- **INFO**
- **WARNING**

The Application is as follows:

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Source code of **SoundAlertExample.java**

```java
import javax.microedition.midlet.*;
import javax.microedition.lcdui.*;

public class SoundAlertExample extends MIDlet implements
ItemStateListener, CommandListener{

  private Display display;
  private Form form;
  private Command exit;
  private ChoiceGroup choice;

  public void startApp(){
  display = Display.getDisplay(this);
  choice = new ChoiceGroup("List of Sound", Choice.EXCLUSIVE);
  choice.append("Message Tone", null);
  choice.append("Confirmation Tone", null);
  choice.append("Warning Tone", null);
  choice.append("Alarm Tone", null);
  choice.append("Error Tone", null);
  exit = new Command("Exit", Command.EXIT, 1);
  form = new Form("");
  form.append(choice);
  form.addCommand(exit);
  form.setCommandListener(this);
```

```java
form.setItemStateListener(this);

display.setCurrent(form);

}


public void pauseApp(){ }


public void destroyApp(boolean unconditional){

notifyDestroyed();

}


public void commandAction(Command c, Displayable s){

String label = c.getLabel();

if(label.equals("Exit")){

destroyApp(false);

}

}


public void itemStateChanged(Item item){

switch (choice.getSelectedIndex()){

case 0:

AlertType.INFO.playSound(display);

break;


case 1:

AlertType.CONFIRMATION.playSound(display);

break;


case 2:

AlertType.WARNING.playSound(display);

break;


case 3:

AlertType.ALARM.playSound(display);

break;


case 4:

AlertType.ERROR.playSound(display);

break;

}

}
}
```

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📅 Posted on: October 14, 2008

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