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J2ME Record Listener

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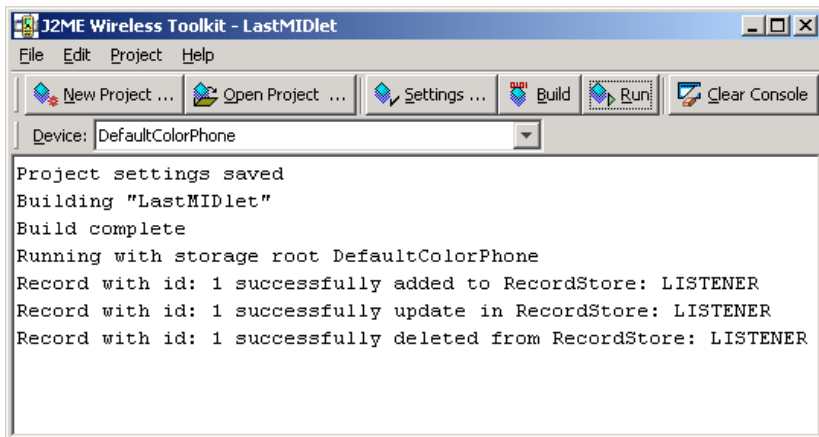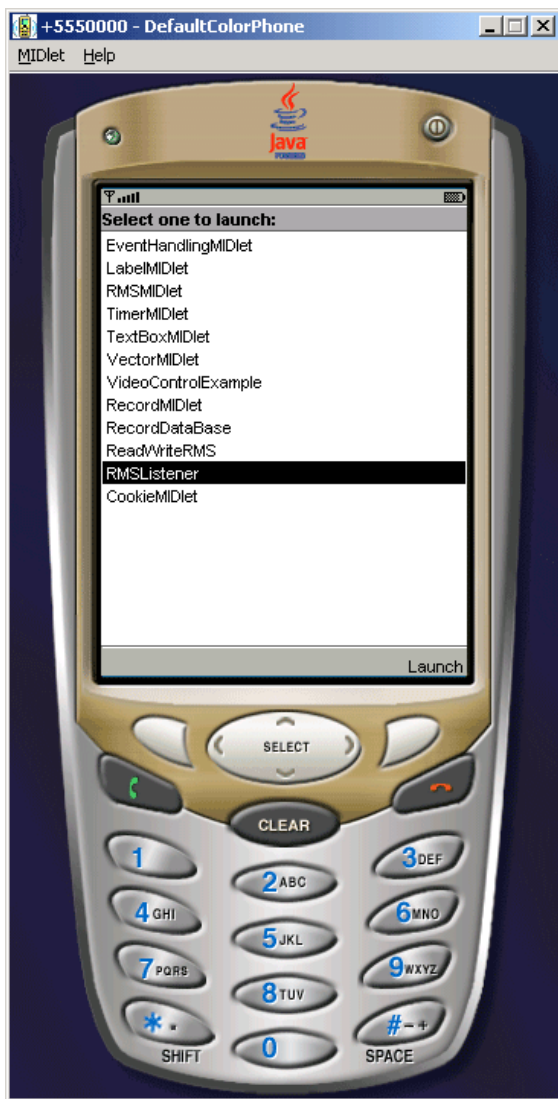Arc MIDlet Example

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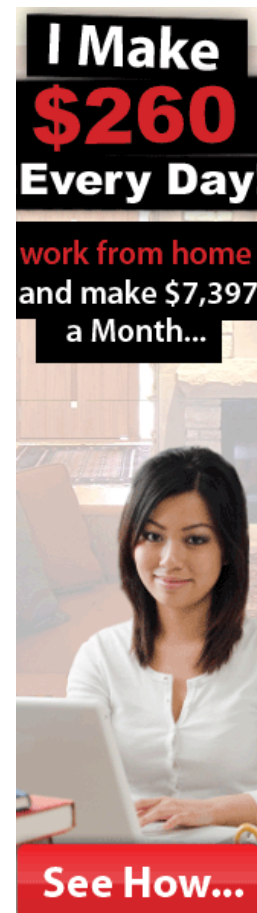
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This application illustrates to implement the RecordListener interface with the RecordStore class for receiving Record Changed, Added, Deleted events from a record store.

J2ME Record Listener

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This application illustrates to implement the RecordListener interface with the RecordStore class for receiving Record Changed, Added, Deleted events from a record store. The Record Listener interface having the following methods:

- recordAdded(RecordStore recordStore, int recordId)
- recordChanged(RecordStore recordStore, int recordId)
- recordDeleted(RecordStore recordStore, int recordId)

In this example we are going to recordAdded(), recordDeleted() and recordChanged() the data.

The Application is as follows:

RMSListener.java

```java
import java.io.*;
import javax.microedition.midlet.*;
import javax.microedition.rms.*;

public class RMSListener extends MIDlet{
  private RecordStore record = null;
  static final String REC_STORE = "LISTENER";

  public void startApp(){
  openRecord();
  record.addRecordListener(new RMSRecordListener());
```

```java
    writeRecord("Core J2ME Technology");
    updateRecord("J2ME Wireless Toolkit");
    deleteRecord();
    closeRecord();
    deleteRecStore();
    }

    public void pauseApp(){}

    public void destroyApp(boolean unconditional){}

    public void openRecord(){
    try{
    record = RecordStore.openRecordStore(REC_STORE, true);
    }catch (Exception e){}
    }

    public void writeRecord(String str){
    byte[] rec = str.getBytes();
    try{
    record.addRecord(rec, 0, rec.length);
    }catch (Exception e){}
    }

    public void updateRecord(String str){
    try{
    record.setRecord(1, str.getBytes(), 0, str.length());
    }catch (Exception e){}
    }

    public void deleteRecord(){
    try{
    record.deleteRecord(1);
    }catch (Exception e){}
    }

    public void closeRecord(){
    try{
    record.closeRecordStore();
    }catch (Exception e){}
    }

    public void deleteRecStore(){
    if (RecordStore.listRecordStores() != null){
    try{
    RecordStore.deleteRecordStore(REC_STORE);
    }catch (Exception e){}
    }
    }
}

class RMSRecordListener implements RecordListener{
    public void recordAdded(RecordStore rs, int id) {
    try{
    System.out.println("Record with id: " + id + " successfully

     added to RecordStore: " + rs.getName());
    }catch (Exception e){
    System.err.println(e);
    }
```
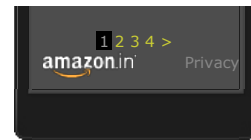
```
    }

    public void recordDeleted(RecordStore rs, int id) {
    try{
    System.out.println("Record with id: " + id +  " successfully

     deleted from RecordStore: " + rs.getName());
    } catch (Exception e){
    System.err.println(e);
    }
    }

    public void recordChanged(RecordStore rs, int id) {
    try{
    System.out.println("Record with id: " + id + " successfully

     update in RecordStore: " + rs.getName());
    } catch (Exception e){
    System.err.println(e);
    }
    }
}
```

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