

How_to_Store_Images_into_RMS_&_Fetch_from_RMS

/**

- This MIDlet Stores the Images into the RMS, and fetches the images from RMS and displays it.
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- /

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

```
public class StoreImage extends MIDlet implements CommandListener {
```

```
private Image image=null;
private Display display=null;
private Command storeImage=null;
private Command getImage=null;
private Command exit = null;
private Alert alert = null;
private Form form=null;
private RecordStore record=null;
```

```
public StoreImage(){
form = new Form("Store Image");
storeImage = new Command("StoreImage",Command.SCREEN,1);
getImage = new Command("GetImage", Command.SCREEN,1);
alert = new Alert("Image Stored");
exit = new Command("Exit", Command.EXIT,1);
form.addCommand(storeImage);
form.addCommand(getImage);
form.addCommand(exit);
form.setCommandListener(this);
display = Display.getDisplay(this);
}
```

/**

- This method opens the Record store
- /

```
public RecordStore openRecordStore(){
try{
record = RecordStore.openRecordStore("StoreImage",true);
```

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```
}catch(Exception e){  
log("Err in open RS");  
}  
return record;  
}
```

/* This method is used for storing the images into the RMS,

- "img.png" file should be in the resources dir

• /

```
private void storeImage(){  
try{  
InputStream inputStream = getClass().getResourceAsStream("/img.png");  
ByteArrayOutputStream byteOutputStream = new ByteArrayOutputStream();  
int ch;  
byte[] imageBytes;  
while((ch = inputStream.read())!= -1 )  
byteOutputStream.write(ch);  
imageBytes = byteOutputStream.toByteArray();  
openRecordStore();  
record.addRecord(imageBytes,0,imageBytes.length);  
display.setCurrent(alert);  
log("Image stored to RMS");  
}catch(Exception e){  
log("Err in Add Image to RMS"+e);  
}  
finally{  
inputStream.close();  
}  
}
```

/* Retrieves the Image from the RMS and displays.

• /

```
public void getImage(){  
try{  
openRecordStore();  
InputStream is = new ByteArrayInputStream (record.getRecord(1));  
Image im = Image.createImage(is);  
form.append(im);  
}catch(Exception e){ }  
}
```

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```
public void startApp(){
display.setCurrent(form);
}

public void pauseApp(){

}

public void destroyApp(boolean b){

}

public void commandAction(Command c, Displayable d){
if(c == exit){
destroyApp(true);
notifyDestroyed();
}
else if(c == storeImage){
storeImage();
}
else if(c == getImage){
getImage();
}
}

public void log(String msg){
System.out.println("Msg: "+msg);
}

}
```