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CSound.java

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Canvas

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One Midlet, One Canvas, One Thred

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Thread

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Canvas

Canvas

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CSound.java

```
package Cube;

import com.skt.m.*;
import java.io.*;
import java.util.*;

public class CSound
{
    public final static int SOUND_NUM = 1;      //
    public final static int STOP      = 10;

    AudioClip clip;
    byte buffer[][] = new byte[SOUND_NUM][];    //

    //
    public CSound()
    {
        try {
            clip = AudioSystem.getAudioClip("mmf");
            for (int i=0; i<SOUND_NUM; i++) {
                InputStream is =
                    getClass().getResourceAsStream("/Cube/snd/sound" + i + ".mmf");
                buffer[i] = new byte[is.available()];
                is.read(buffer[i]);
                is.close();
            }
        } catch (Exception ex) {}
    }

    //
    // playSound(    )
    // playSound(STOP) -
    public synchronized void playSound(int num) {
        try {
            if(num != STOP){
                clip.open(buffer[num], 0, buffer[num].length);
                clip.play();
            }else{
                clip.stop();
            }
        } catch (Exception ex) {}
        finally {
            try {
                clip.close();
            } catch (Exception ex2) {}
        }
    }
}
```

CubeEngine.java

```
package Cube;

import javax.microedition.lcdui.*;
import java.util.*;
import java.io.*;
import com.skt.m.*;

public class CubeEngine
{
    // mode
    public final static int LOGO          = 0;
    public final static int TITLE         = 1;

    //
    public final static int KEY_UP        = 141;
    public final static int KEY_LEFT      = 142;
    public final static int KEY_RIGHT     = 145;
    public final static int KEY_DOWN      = 146;

    //
    public int          mode;
    //
    public int          menuSwitch = 1;          //

    //
    private CubeCube cube;
    private CubeCanvas canvas;                  //
Canvas
    private CSound    sound;

    public CubeEngine(CubeCanvas canvas)
    {
        this.canvas = canvas;
        sound = new CSound();
    }

    public void keyPress(int key)
    {
        switch (mode)
        {
            case LOGO:          //
            case TITLE:
                keyPressInTitle(key);
            break;
        }
    }
}
```

```

    }
}

public void keyPressInTitle(int key)
{
    if(mode == LOGO)
    {
        canvas.showMainMenu();
        mode = TITLE;
    }
    if ((menuSwitch != 1) && (key == KEY_UP))    //
    {
        menuSwitch - -;
        canvas.showMainMenu();
        sound.playSound(0);
//
    }
    else if ((menuSwitch != 5) && (key == KEY_DOWN))    //
    {
        menuSwitch++;
        canvas.showMainMenu();
        sound.playSound(0);;    //
    }
}
}

```

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Thread 가 ..

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PinkSound.java

```
import javax.microedition.io.*;
import java.io.*;
import com.xce.io.*;
import com.skt.m.*;

public class PinkSound extends Thread
{
    //
    AudioClip clip;

    public PinkSound(byte[] musicInfo)
    {
        try
        {
            clip = AudioSystem.getAudioClip("mmf");
            clip.open(musicInfo, 0, musicInfo.length);
        } catch (Exception e) { System.out.println(e); }
    }

    public void run()
    {
        try {
            clip.play();
        } catch (Exception e) {}
        finally
        {
            try
            {
                clip.close();
                clip = null;
            } catch (Exception e) {}
        }
    }

    public void stop()
    {
        try {
            clip.stop();
        } catch (Exception e) {}
        finally {
            try {
                clip.close();
                clip = null;
            } catch (Exception e) {}
        }
    }
}
```

Neoco

Neoco Early Adopter

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