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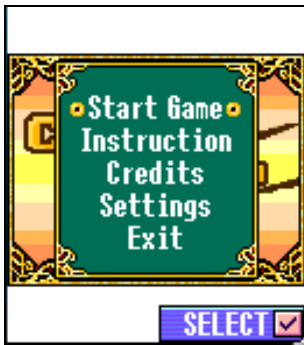
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2 1 ,

 CubeEngine 가

 , mode

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CubeCube.java

```
package Cube;

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

public class CubeCube extends MIDlet
{
    public CubeCanvas canvas;
    Display display;

    public CubeCube()
    {
        canvas = new CubeCanvas(this);
        Device.setBacklightEnabled(true);           // 가
        가 ( true )
        Device.enableRestoreLCD(true);              //
        . SUSPEND
        loadLogo();
    }

    protected void startApp()
    {
        display = Display.getDisplay(this);
    }
}
```

```

        canvas.active = true;
        display.setCurrent(canvas);
        BackLight.on(0); // On
0
    }

    protected void pauseApp()
    {
        canvas.active = false;
    }

    public void resumeApp()
    {
    }

    public void destroyApp(boolean uc)
    {
        display.setCurrent(null);
        notifyDestroyed();
    }

    public void loadLogo()
    {
        try{
            canvas.logo = Image.createImage("/Cube/img/logo.png");
        } catch(IOException e){
            e.printStackTrace();
        }
    }
}

```

CubuCanvas.java

```

package Cube;

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

public class CubeCanvas extends Canvas implements Runnable
{
    public final static int SCREEN_LENGTH = 128;
    public final static int SCREEN_WIDTH = 143;

    static Image title, mt1, mt2, mt3, mt4, mcur;

```

```

private CubeCube      cube;
public  CubeEngine    engine;      //

.

public boolean        active = true;
public boolean        init = true;
private Thread        thread;
static Graphics g;
static Image logo;

// Constructor
public CubeCanvas(CubeCube cube)
{
    this.cube = cube;
    engine = new CubeEngine(this);
    loadImage();
    thread = new Thread(this);
thread.start();
}

protected void paint(Graphics g)
{
    this.g = g;
    if(init){
        g.drawImage(logo, 0, 22, 0);
        init = false;
    }
}

//
public void showMainMenu()
{
    drawBox(20, 25, 88, 94);
    g.setColor(255, 255, 255);
    g.drawString("Start Game", 64, 38, 16|1);
    g.drawString("Instruction", 64, 52, 16|1);
    g.drawString("Credits", 64, 66, 16|1);
    g.drawString("Settings", 64, 80, 16|1);
    g.drawString("Exit", 64, 94, 16|1);
    drawCursor();
    repaint();
    serviceRepaints();
}

//
public void drawCursor()

```

```

{
    switch(engine.menuSwitch)
    {
        case 1:
            g.drawImage(mcur, 27, 43, 0);
            g.drawImage(mcur, 94, 43, 0);
            break;
        case 2:
            g.drawImage(mcur, 25, 43+(14*1), 0);
            g.drawImage(mcur, 97, 43+(14*1), 0);
            break;
        case 3:
            g.drawImage(mcur, 35, 43+(14*2), 0);
            g.drawImage(mcur, 86, 43+(14*2), 0);
            break;
        case 4:
            g.drawImage(mcur, 32, 43+(14*3), 0);
            g.drawImage(mcur, 89, 43+(14*3), 0);
            break;
        case 5:
            g.drawImage(mcur, 42, 43+(14*4), 0);
            g.drawImage(mcur, 78, 43+(14*4), 0);
            break;
    }
}

//
public void drawBox(int x, int y, int w, int h)
{
    g.setColor(0, 0, 0);
    g.fillRect(x, y, w, h);
    g.setColor(0, 109, 85);
    g.fillRect(x+3, y+3, w-6, h-6);
    g.setColor(255, 219, 0);
    g.drawRect(x+1, y+1, w-3, h-3);

    g.drawImage(mt1, x, y, 0);
    g.drawImage(mt2, x+w-15, y, 0);
    g.drawImage(mt3, x, y+h-16, 0);
    g.drawImage(mt4, x+w-15, y+h-16, 0);
}

//
public void loadImage()
{
    try
    {
        mt1 = Image.createImage("/Cube/img/m01.png");
        mt2 = Image.createImage("/Cube/img/m02.png");
    }
}

```

```

        mt3 = Image.createImage("/Cube/img/m03.png");
        mt4 = Image.createImage("/Cube/img/m04.png");
        mcur = Image.createImage("/Cube/img/mcur.png");
    } catch (IOException ex) {
        System.out.println("File not find");
    }
}

public void run() {
    try {
        while(active)
        {
            thread.sleep(200);
        }
    } catch (InterruptedException e) {
    }
}

// Canvas , Engine

//
protected void keyPressed(int keyCode) {
    engine.keyPress(keyCode);
}

}

```

CubeEngine.java

```

package Cube;

import javax.microedition.lcdui.*;
import java.util.*;

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

        // Constructor
        public CubeEngine(CubeCanvas canvas)
        {
            this.canvas = canvas;
        }

        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();
            }
            else if ((menuSwitch != 5) && (key == KEY_DOWN)) //
            {
                menuSwitch++;
                canvas.showMainMenu();
            }
        }
    }
}

```

Neoco

Neoco Early Adopter

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