



Midlet Lifecycle

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By default Midlet is in the paused states. when the application is executed by default **startApp()** method will call and when close the application the **destroyApp()** method will be called.

Midlet Lifecycle

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A MIDlet lifecycle have following steps...

- **startApp()**
- **pauseApp()**
- **destroyApp()**

By default MIDlet is in the paused states. when the application is executed by default **startApp()** method will call and when close the application the **destroyApp()** method will be called. But when your constructor is not null type then it will be executed firstly. The source code of life cycle execution is as follows:

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

public class MidletLifecycle extends MIDlet{

    private Form form;

    private Display display;

    public MidletLifecycle(){
        System.out.println("MidletLifecycle constructure");
    }

    public void startApp(){
        form = new Form("Midlet Lifecycle");
        display = Display.getDisplay(this);
        String msg = "This is the Lifecycle of Midlet!";
        form.append(msg);
        display.setCurrent(form);
    }

    public void pauseApp(){
```

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```

System.out.println("You are in pauseApp()...");
}

public void destroyApp(boolean destroy){
    System.out.println("You are in destroyApp()...");
    notifyDestroyed();
}
}

```

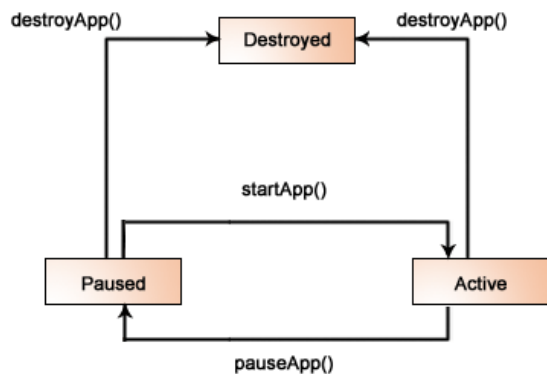


Fig: MIDlet Lifecycle

Output:

```

J2ME Wireless Toolkit - Tutorials
File Edit Project Help
New Project ... Open Project ... Settings ... Build Run Clear Console
Device: DefaultColorPhone

Project settings saved
Building "Tutorials"
Build complete
Running with storage root DefaultColorPhone
MidletLifecycle constructure
You are in destroyApp()...
Execution completed.
754464 bytecodes executed
26 thread switches
741 classes in the system (including system classes)
3853 dynamic objects allocated (110052 bytes)
2 garbage collections (90132 bytes collected)

```

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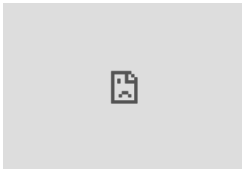
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 **Eshrath**
June 3, 2013
J2me
I tired j2me example MidletLife Cycle In that 1st constructor will call but for me startapp() is callingg... where iam going wrong can you tell me... plz,...

 **anant mitra**
May 16, 2012
error in RUN
after doing all the setting and building the program..while running the program it shows an error and it doesn't execute Exception: java.lang.classNotFoundException: TutorialMIDlet


 **K. Sudheer Kumar**
July 14, 2012
regarding structure of writing a midlet
I am not correctly understanding how a j2m3 midlet can execute without writing main function and we are writing public before a class(midlet) what are steps involved for executing a j2me program?


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