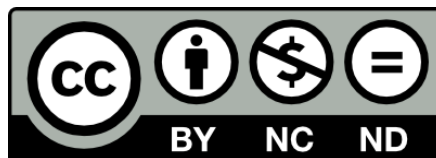




Application Framework Activity and Window

David Lau • China



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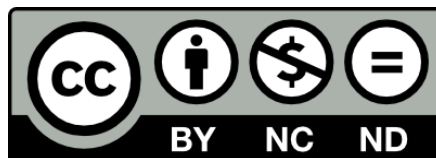
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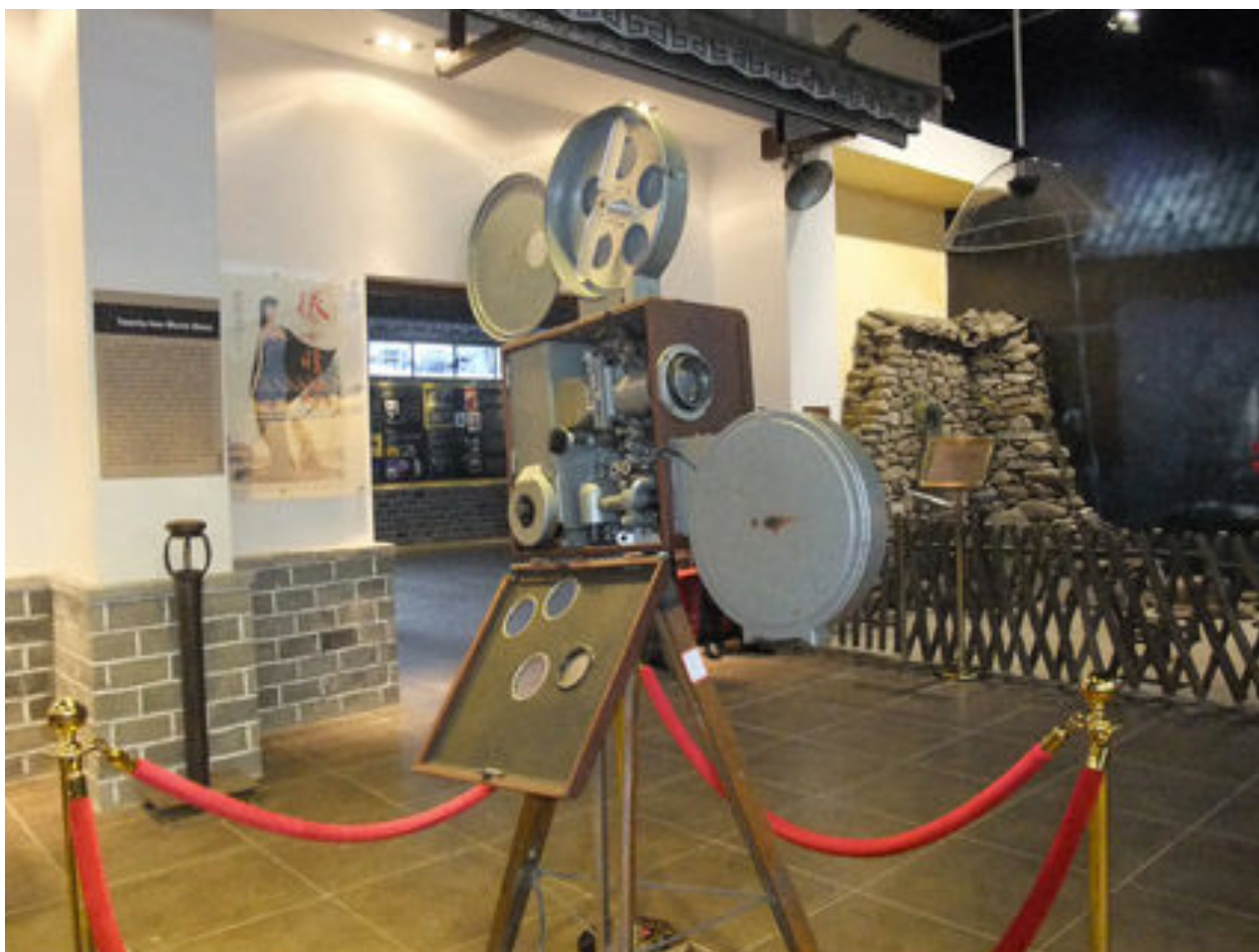
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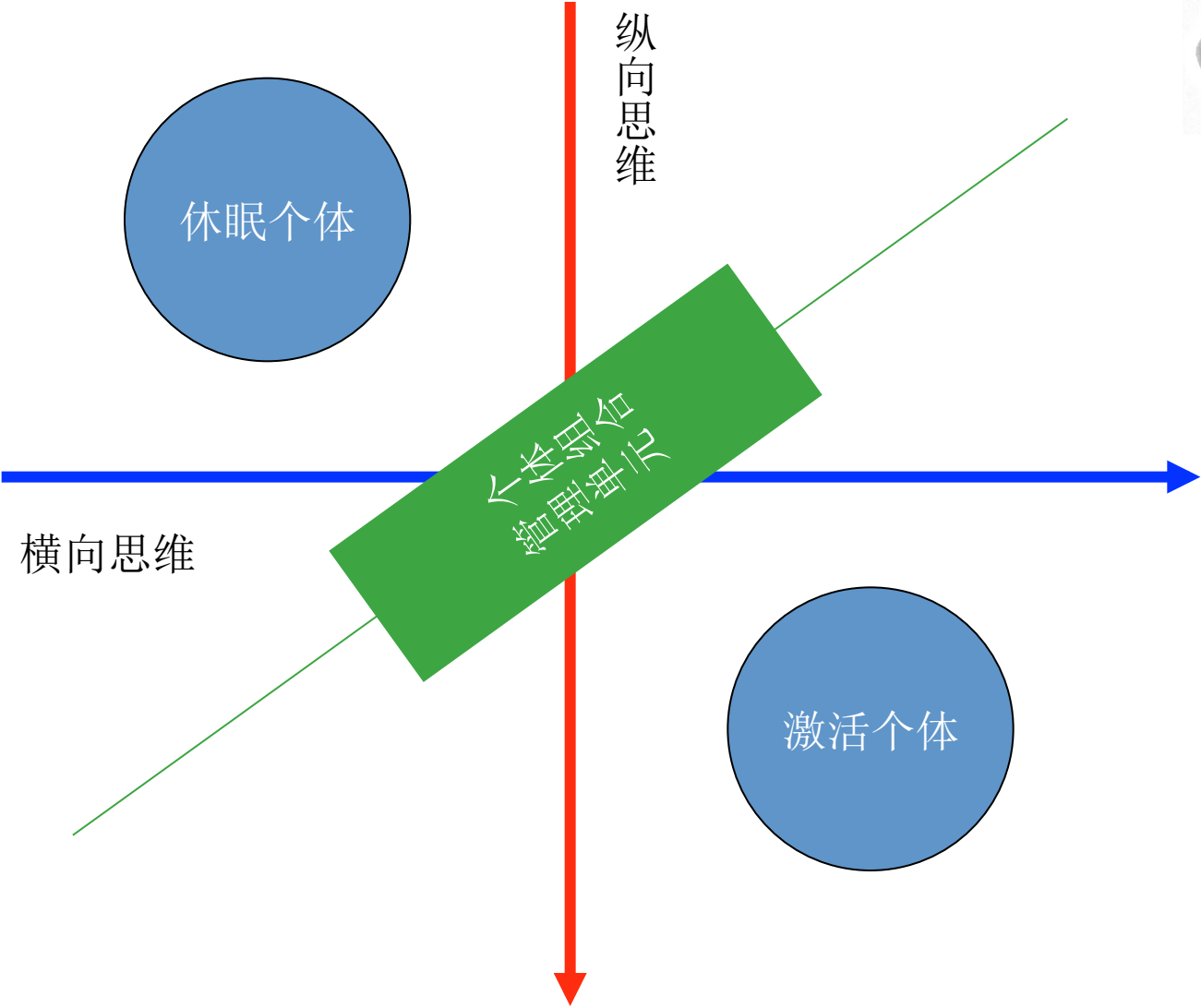
子y



标明出处



组合对象的 生命周期思维模型



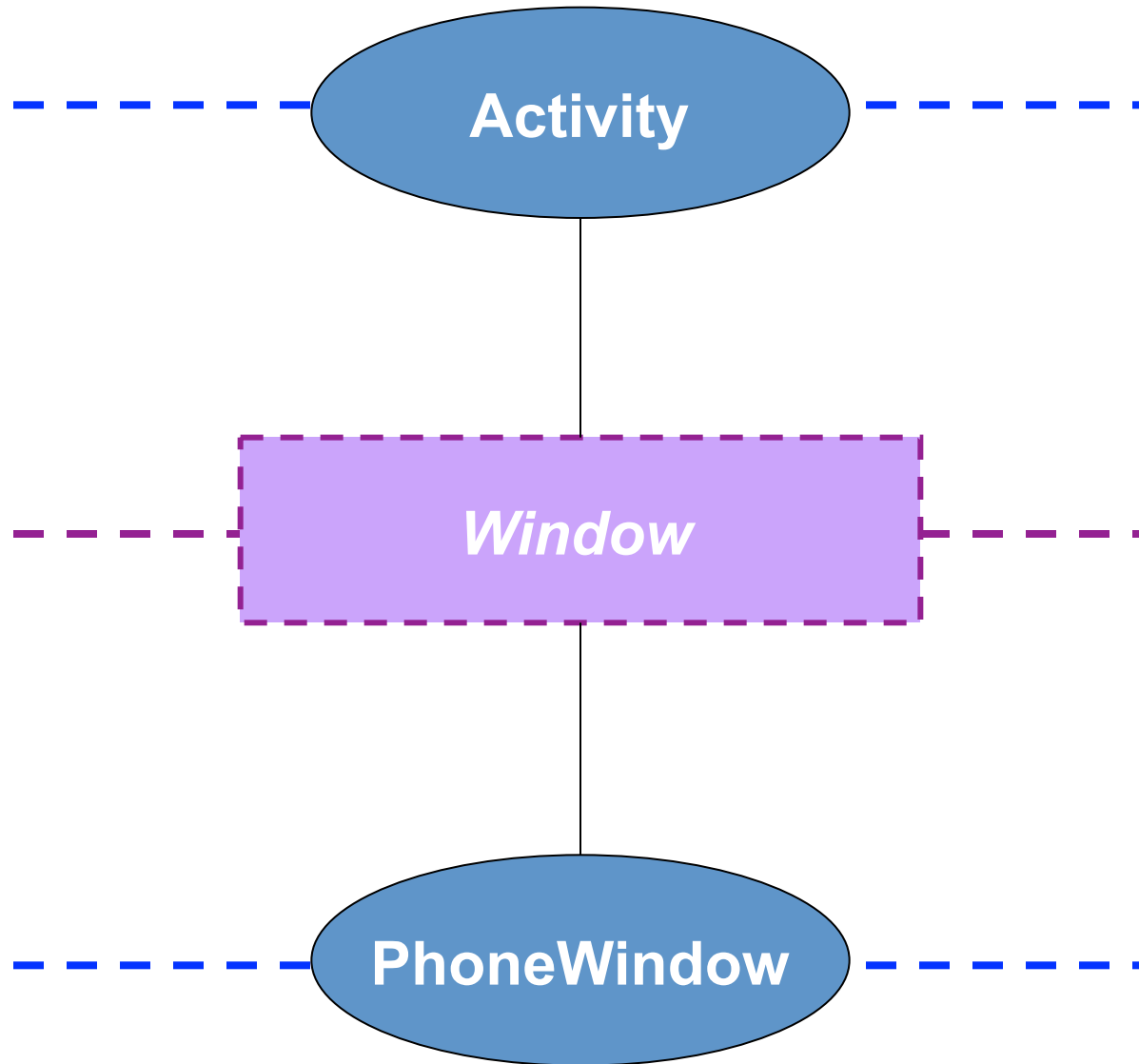
休眠个体

纵向思维

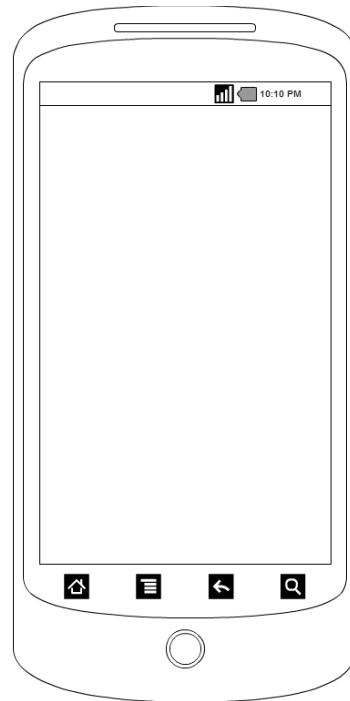
横向思维

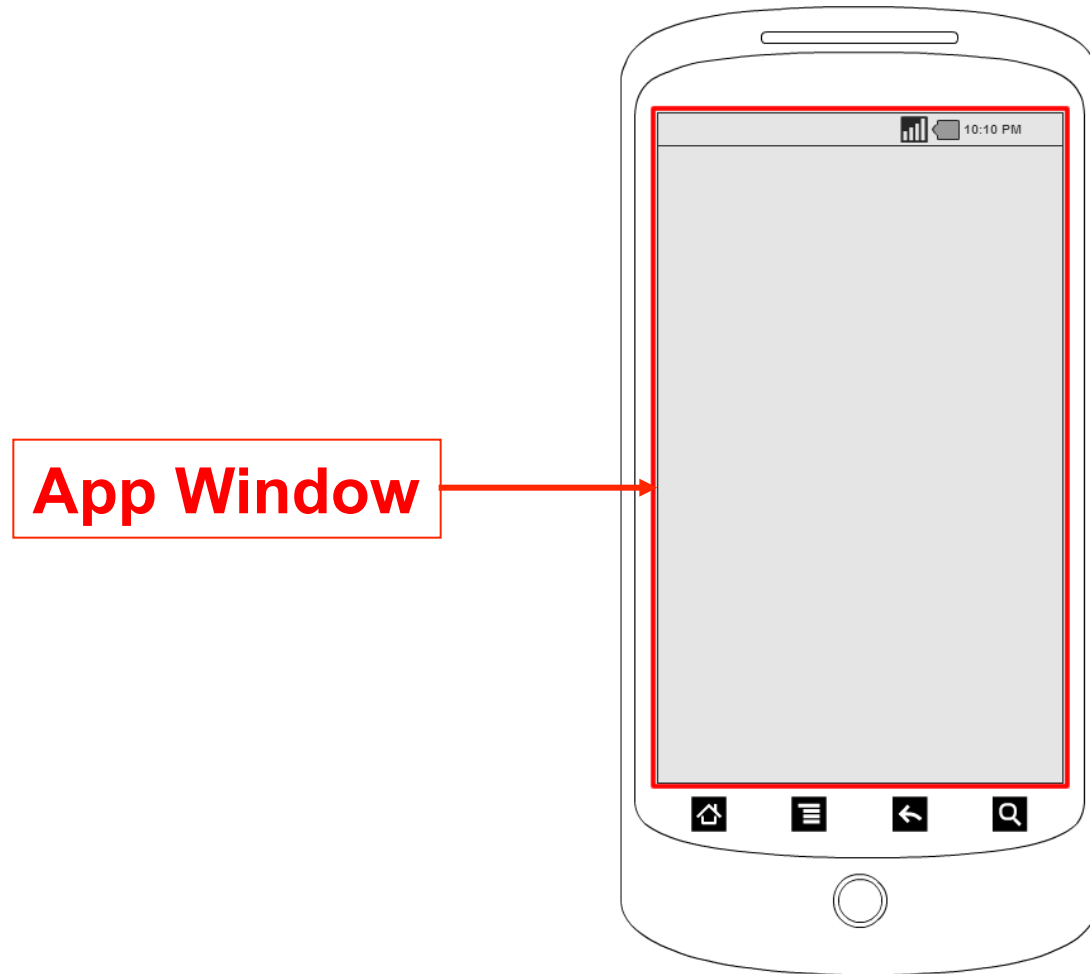
← 思维如
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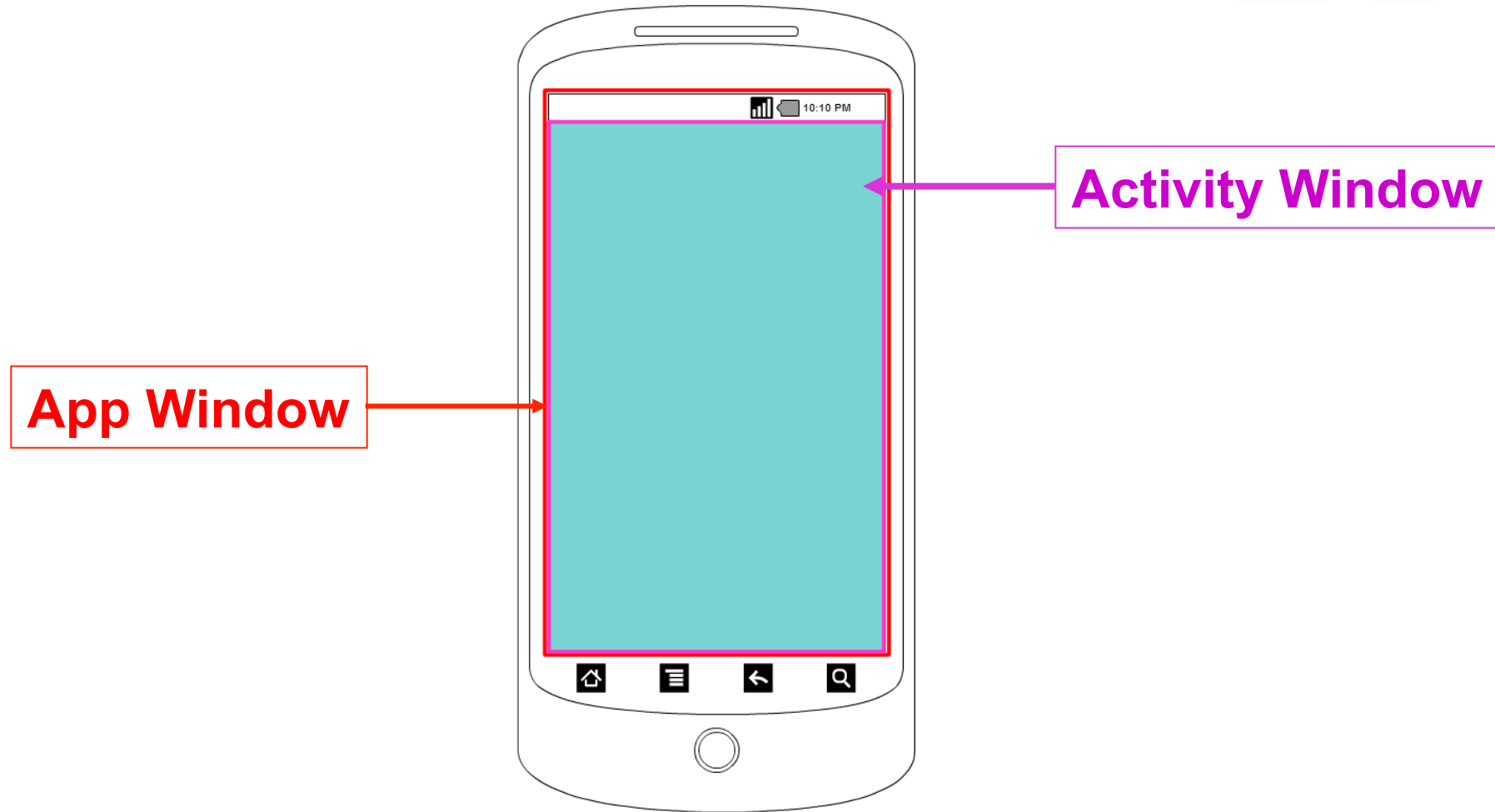
激活个体

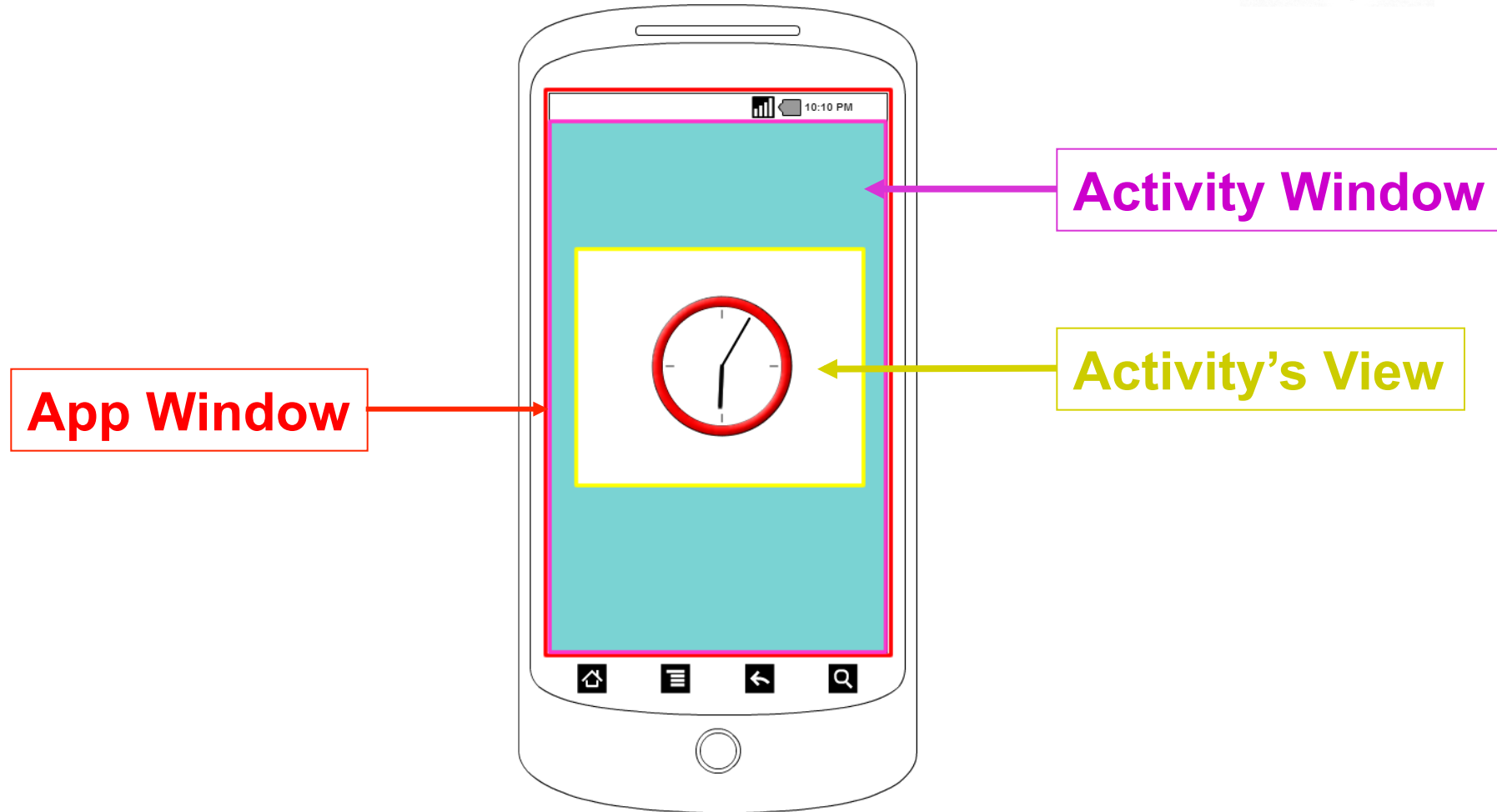


Activity and It's Window









Activity and It's Window



- Create a new window(PhoneWindow)
- Create a local WindowManager
- Add IWindow to WMS
- Set the Activity's Content View to Window
- Create a DecorView for the PhoneWindow
- Create a ViewRootImpl From Local WM
- Add the DecorView to the ViewRootImpl

Activity's Window



Activity's Window



Layer



LayerDim



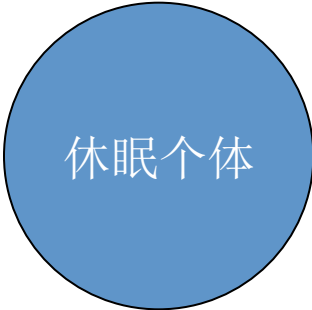
LayerBlur



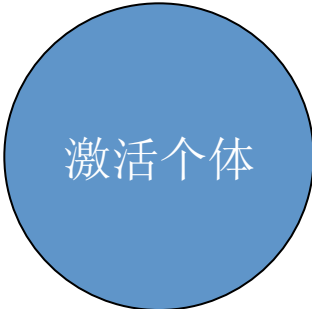
Window个体的出现



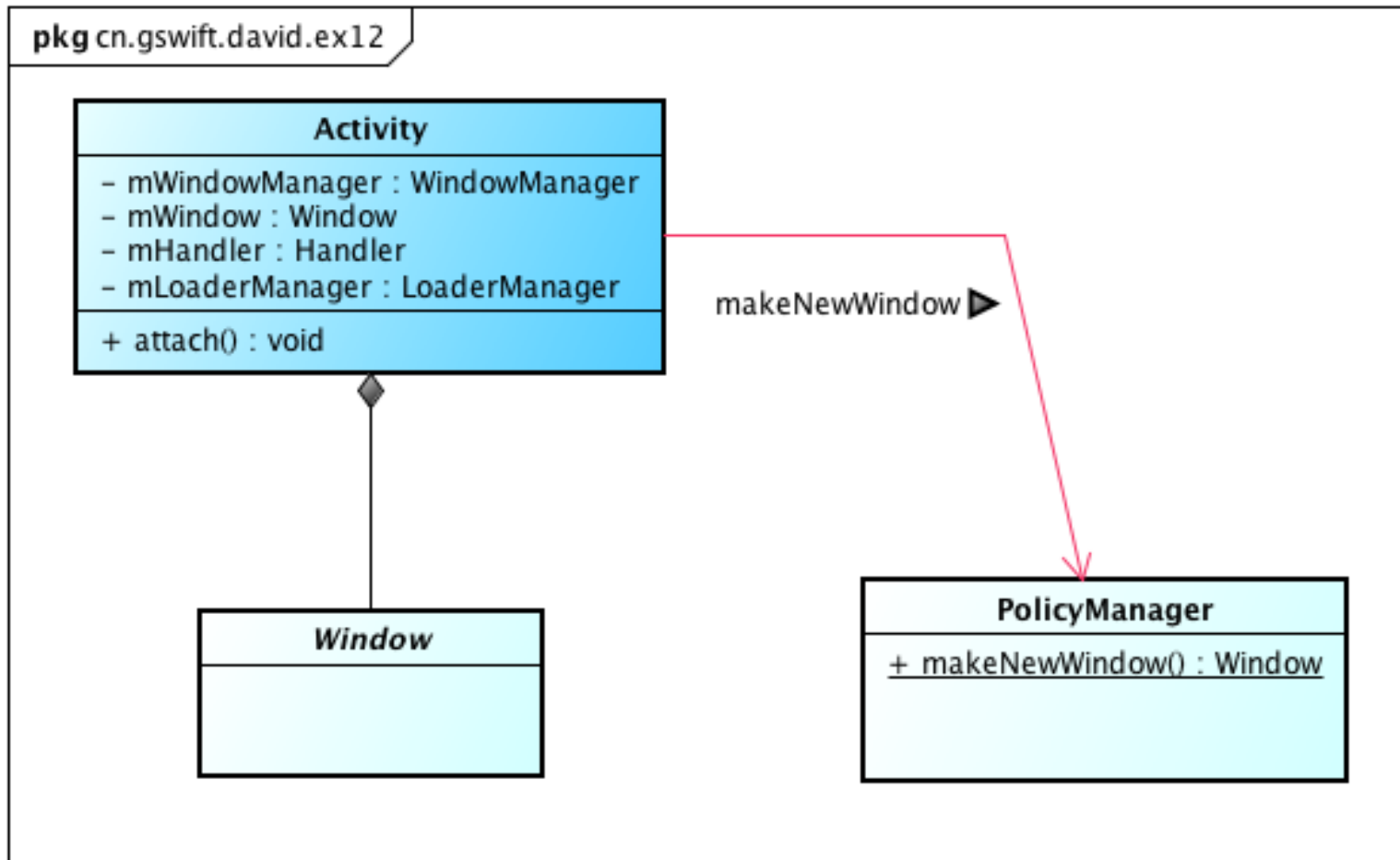
纵向思维



横向思维

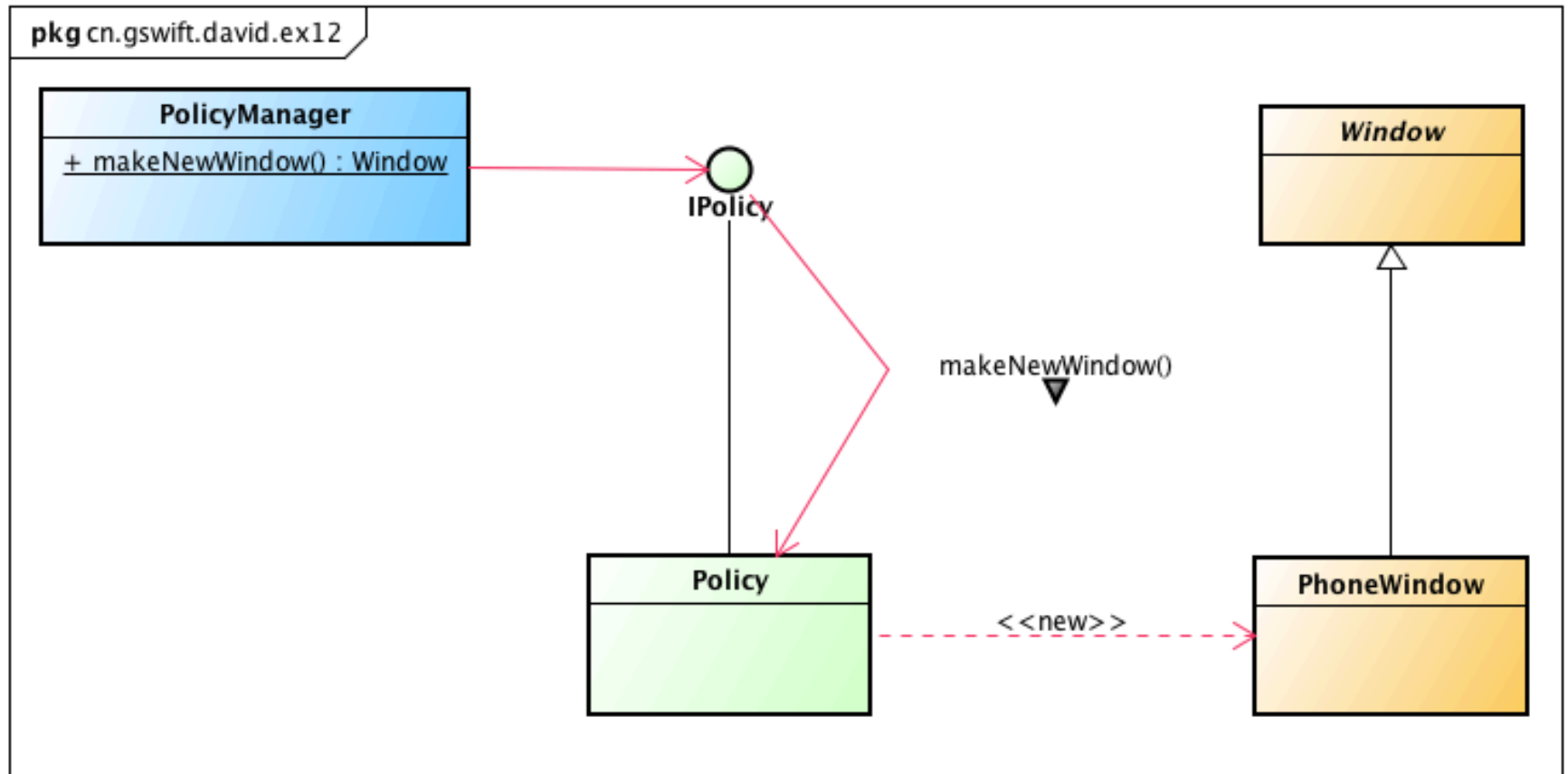


Create a new Window

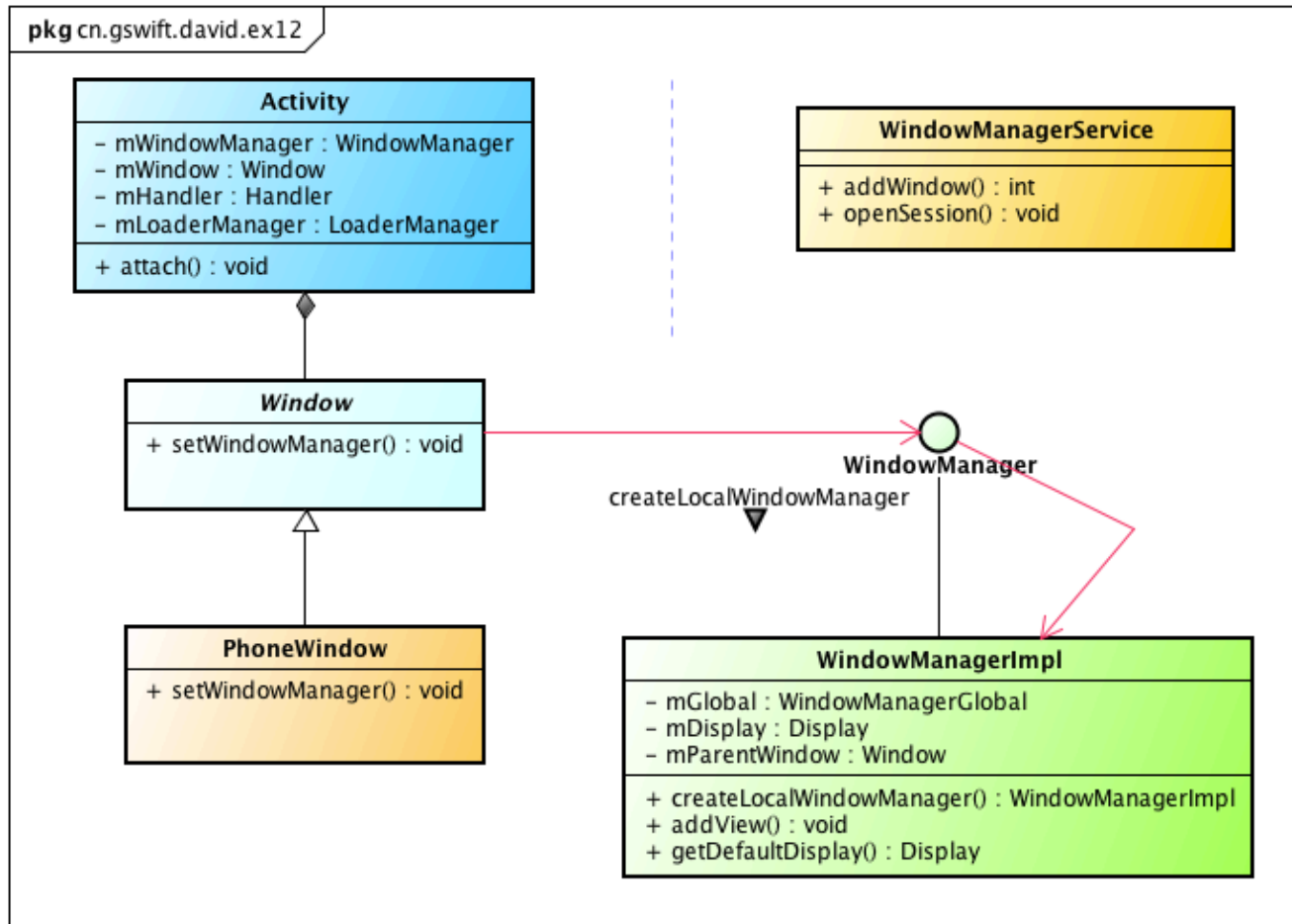


Create a PhoneWindow Instance

Copy

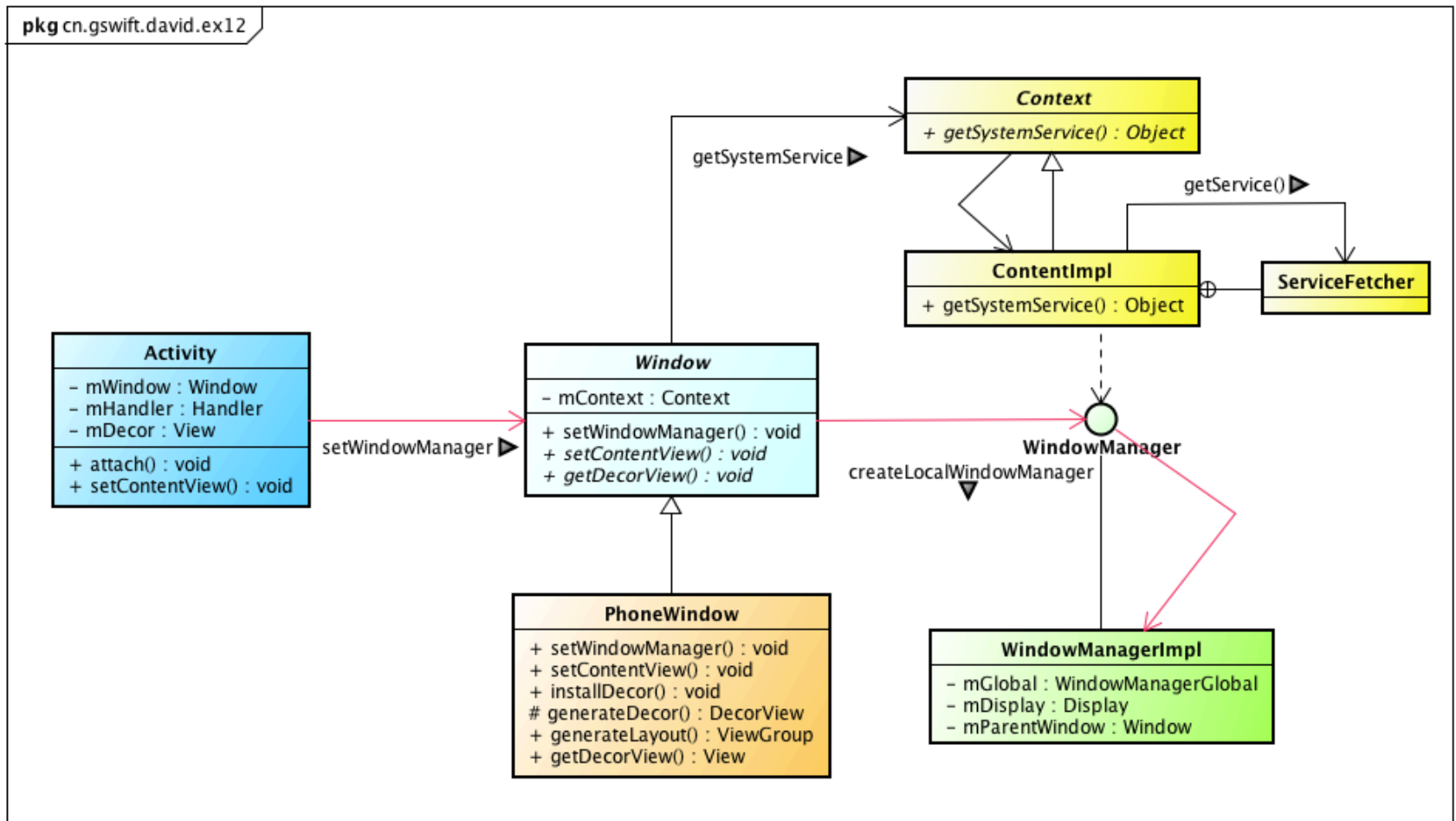


Create LocalWindowManager(1)



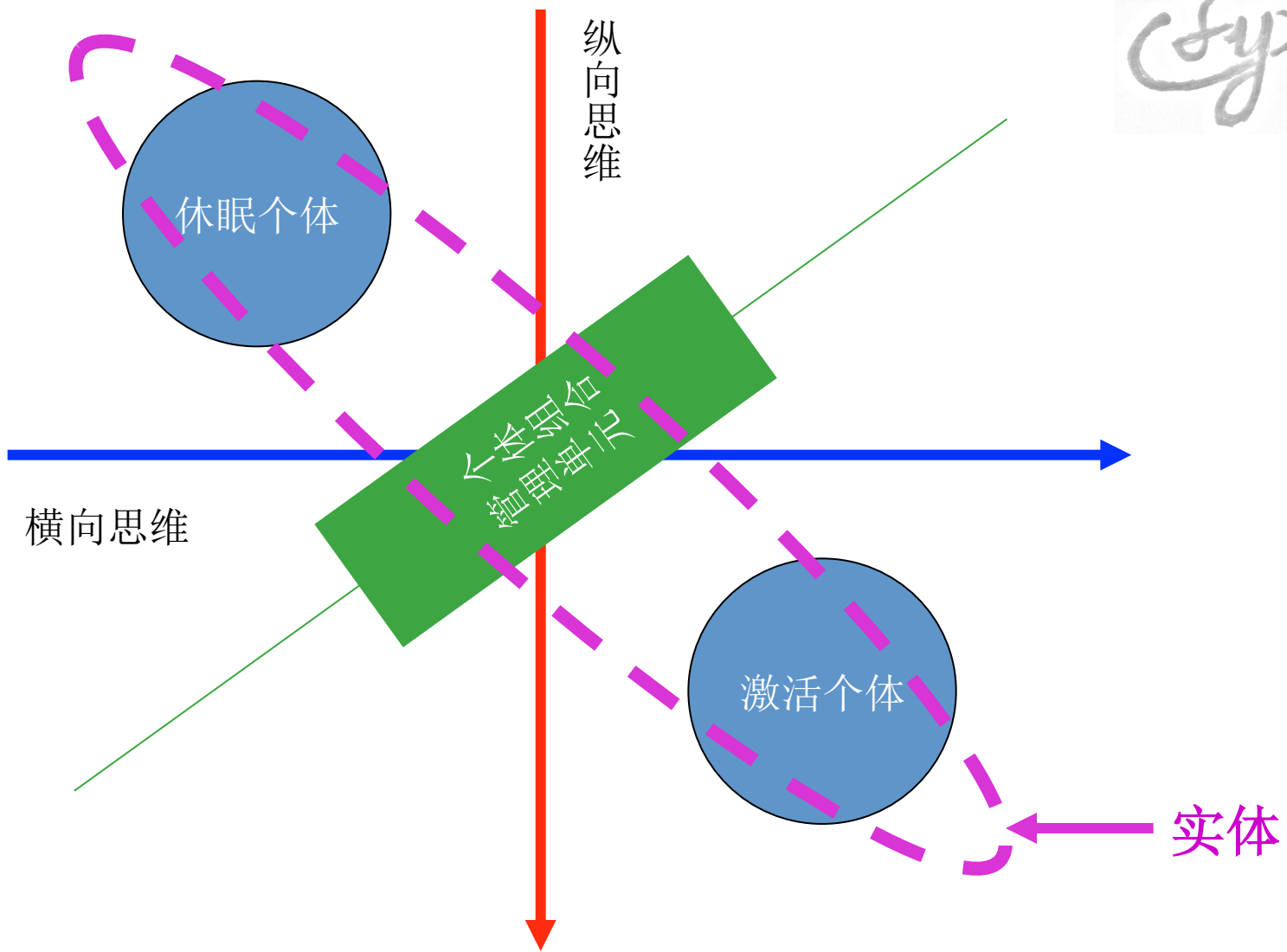
Create LocalWindowManager(2)

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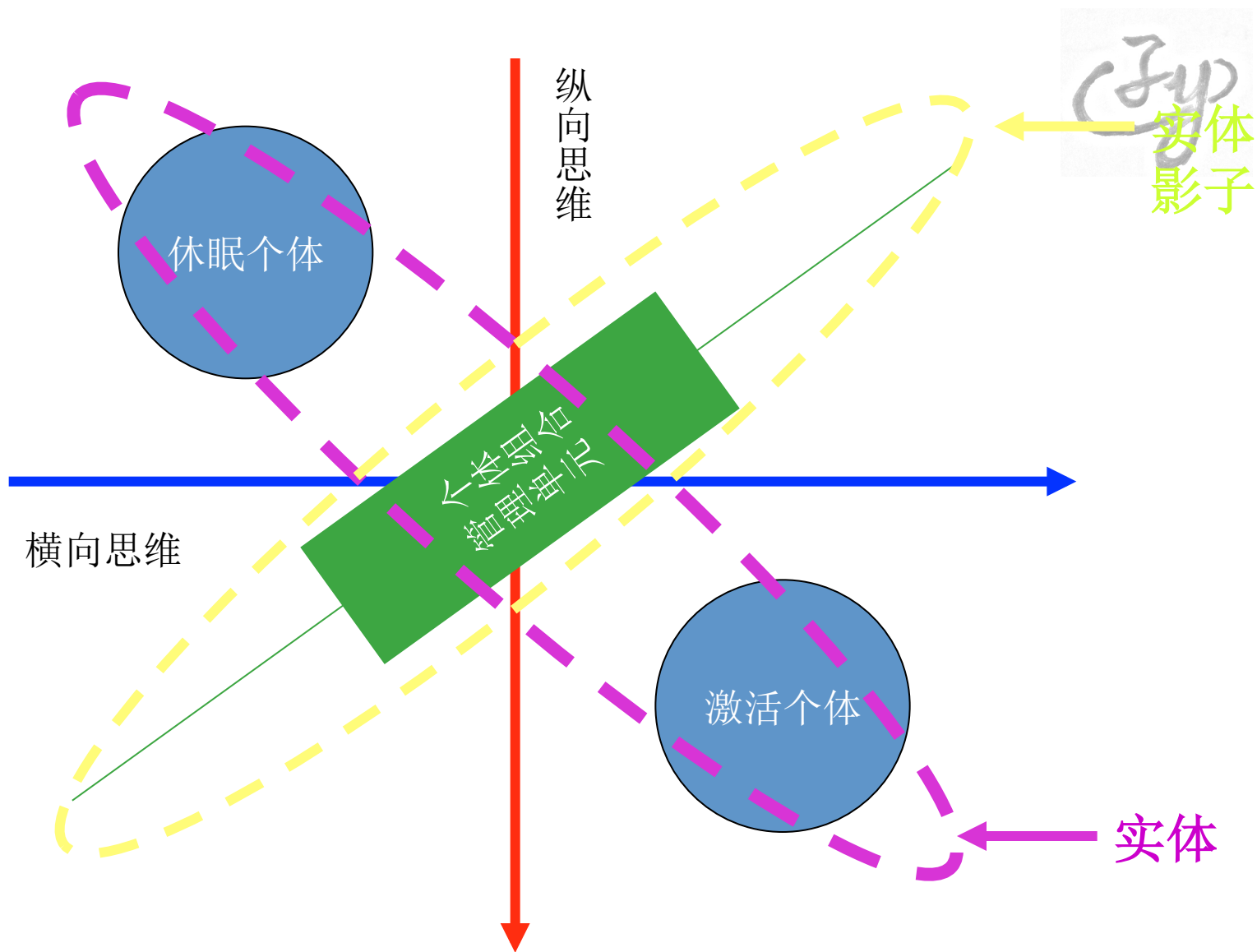


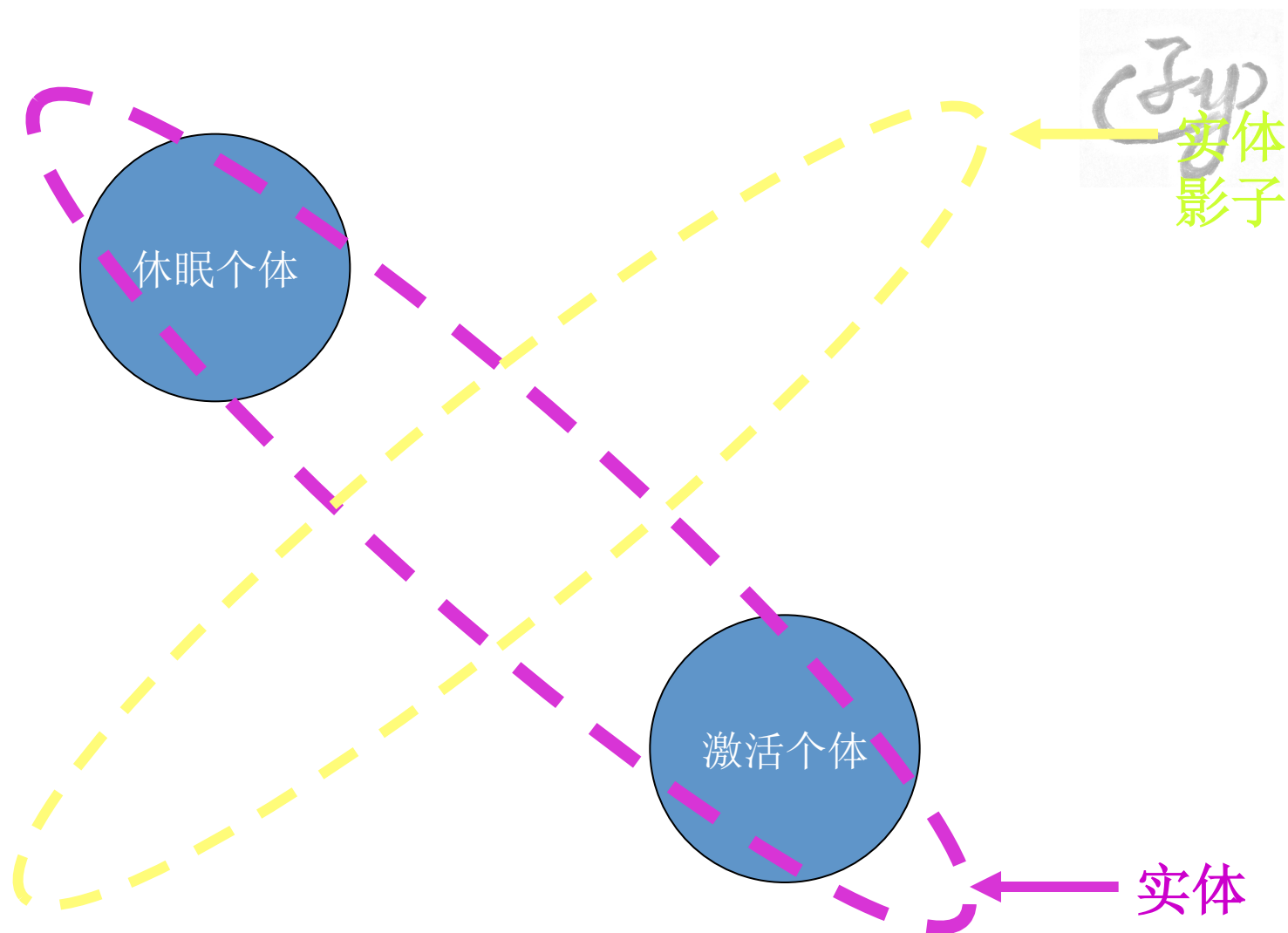
对象休眠与单个对象的激活





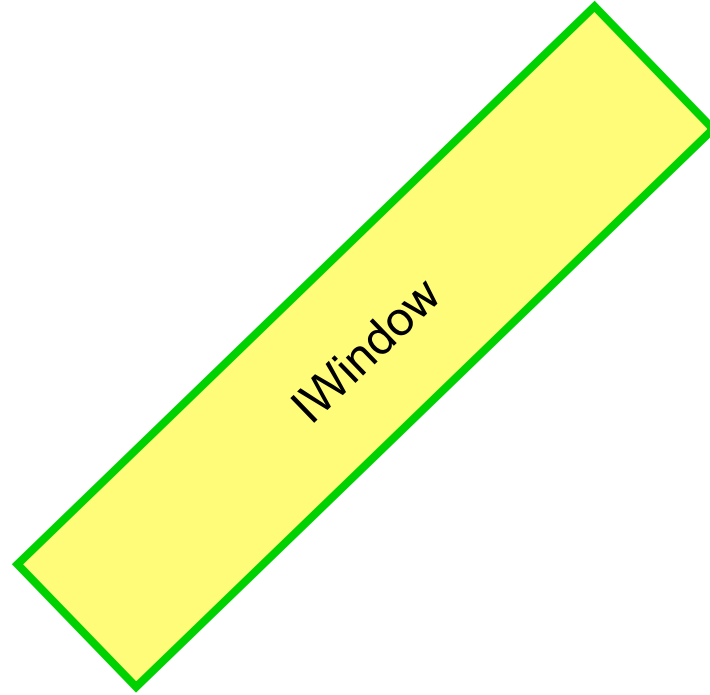
完成影子的隐射管理





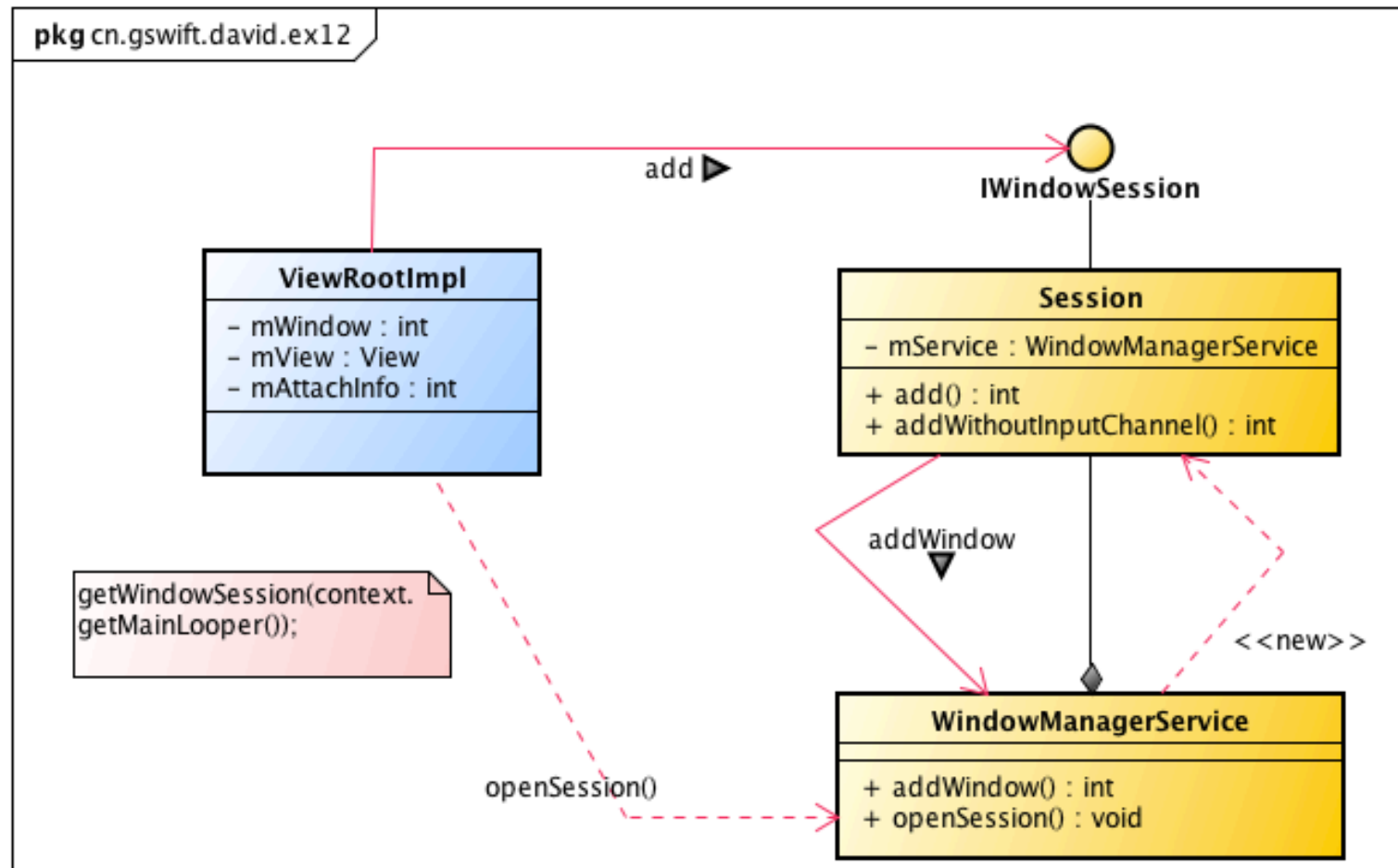


影子管理

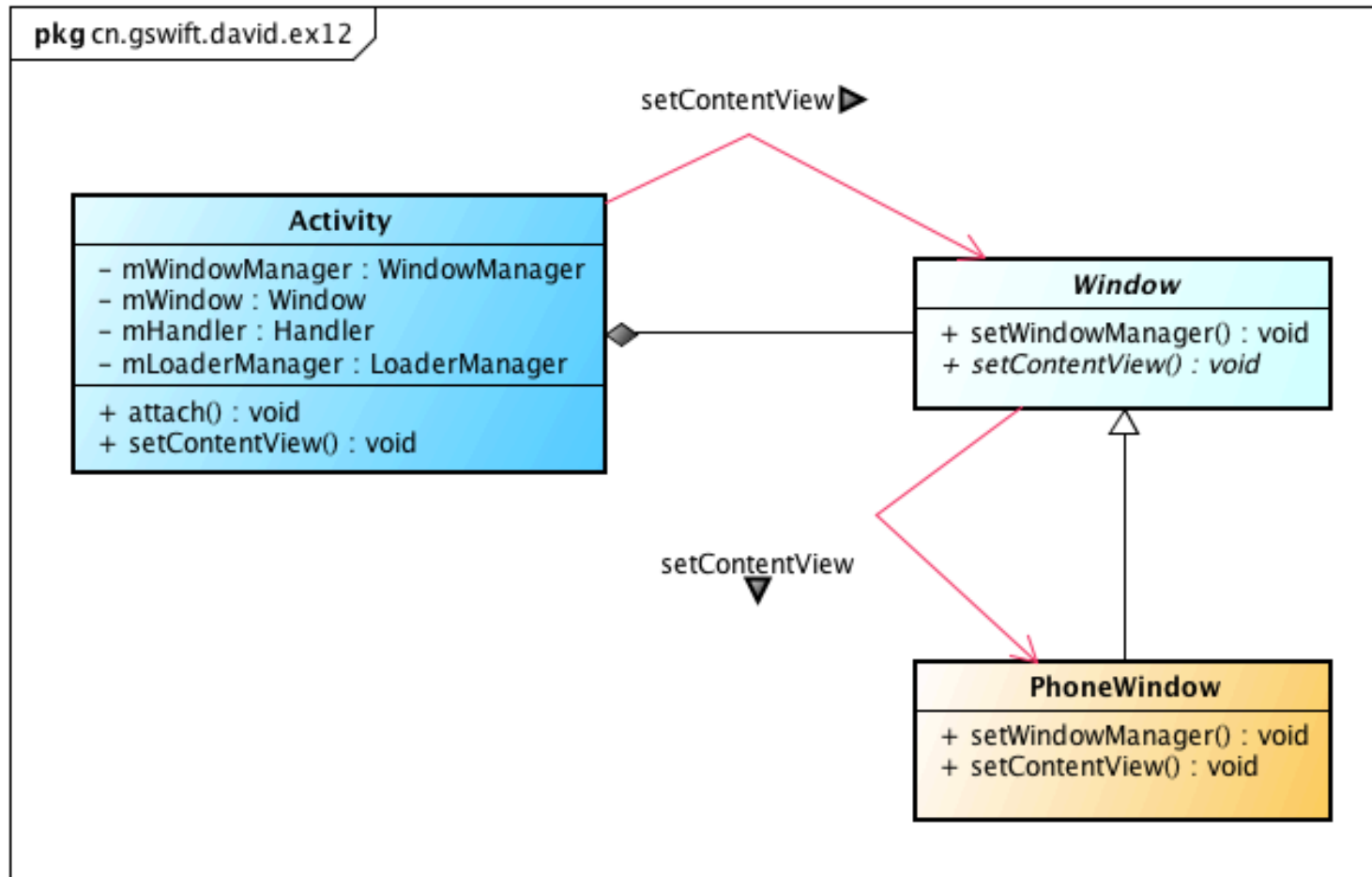


Add IWindow to WMS Process

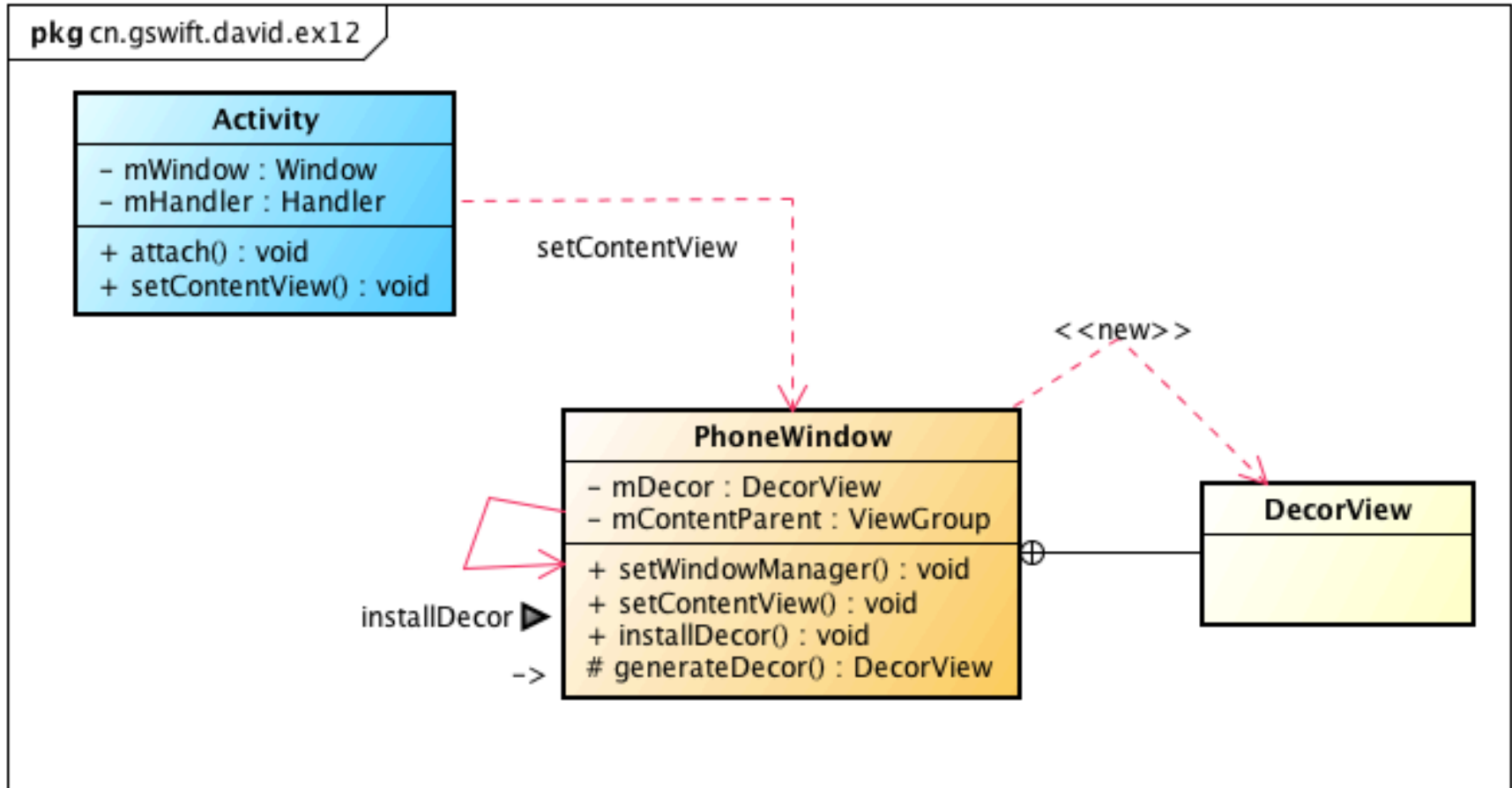
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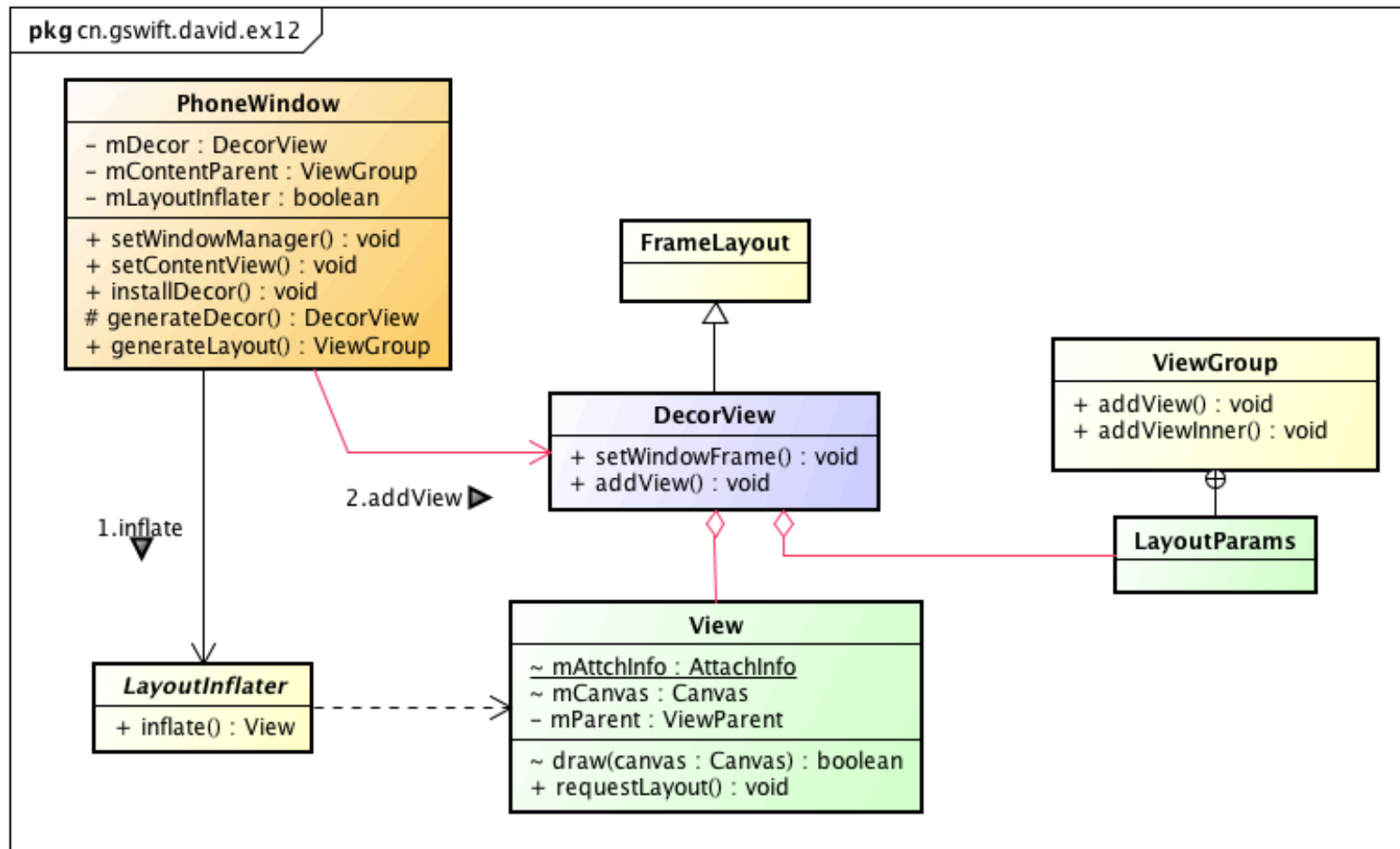
Set the Activity's ContentView to the Window



Action of setContentView

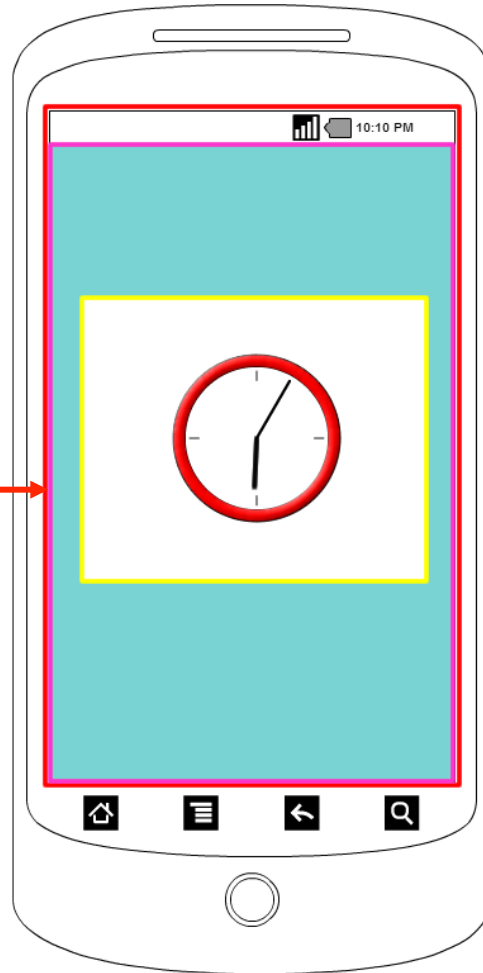


Add the DecorView to the Window

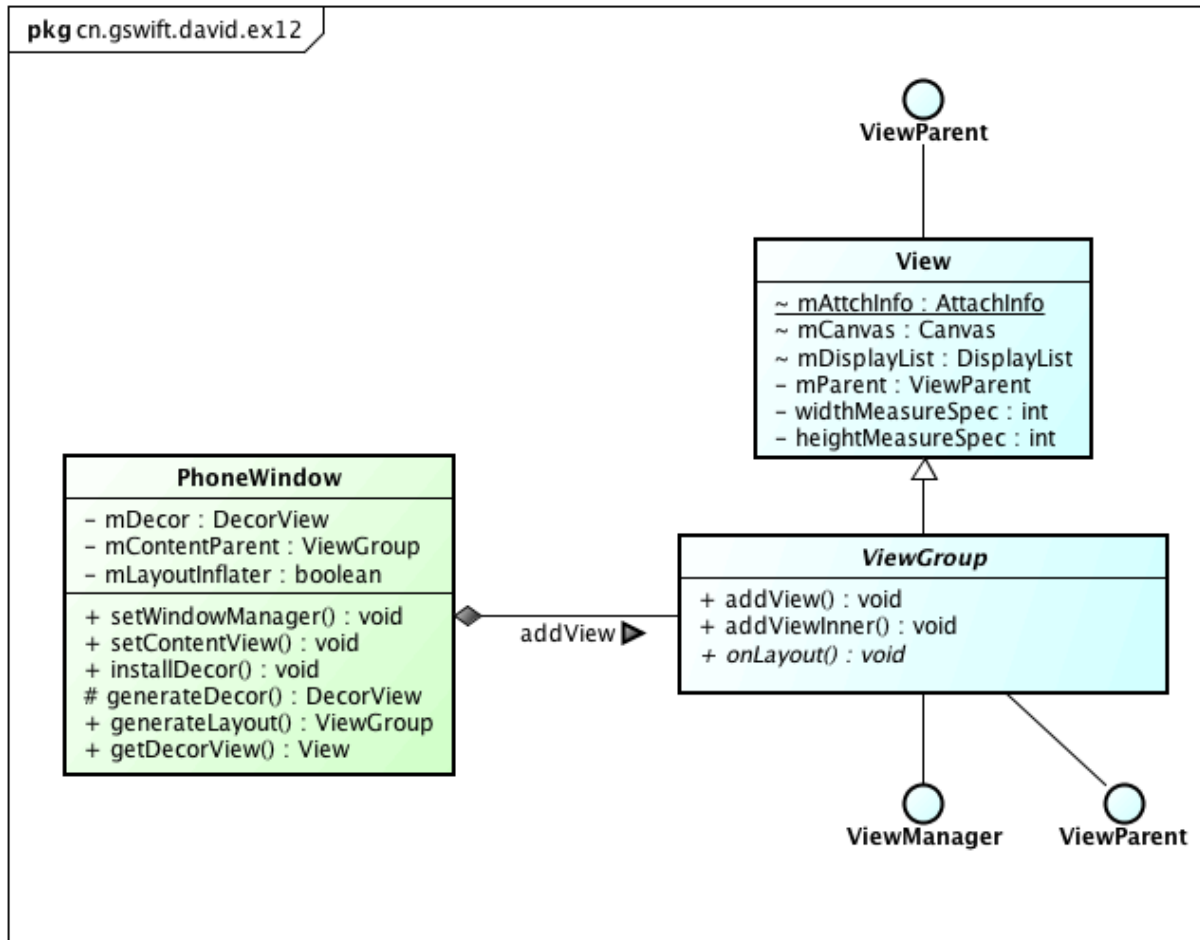




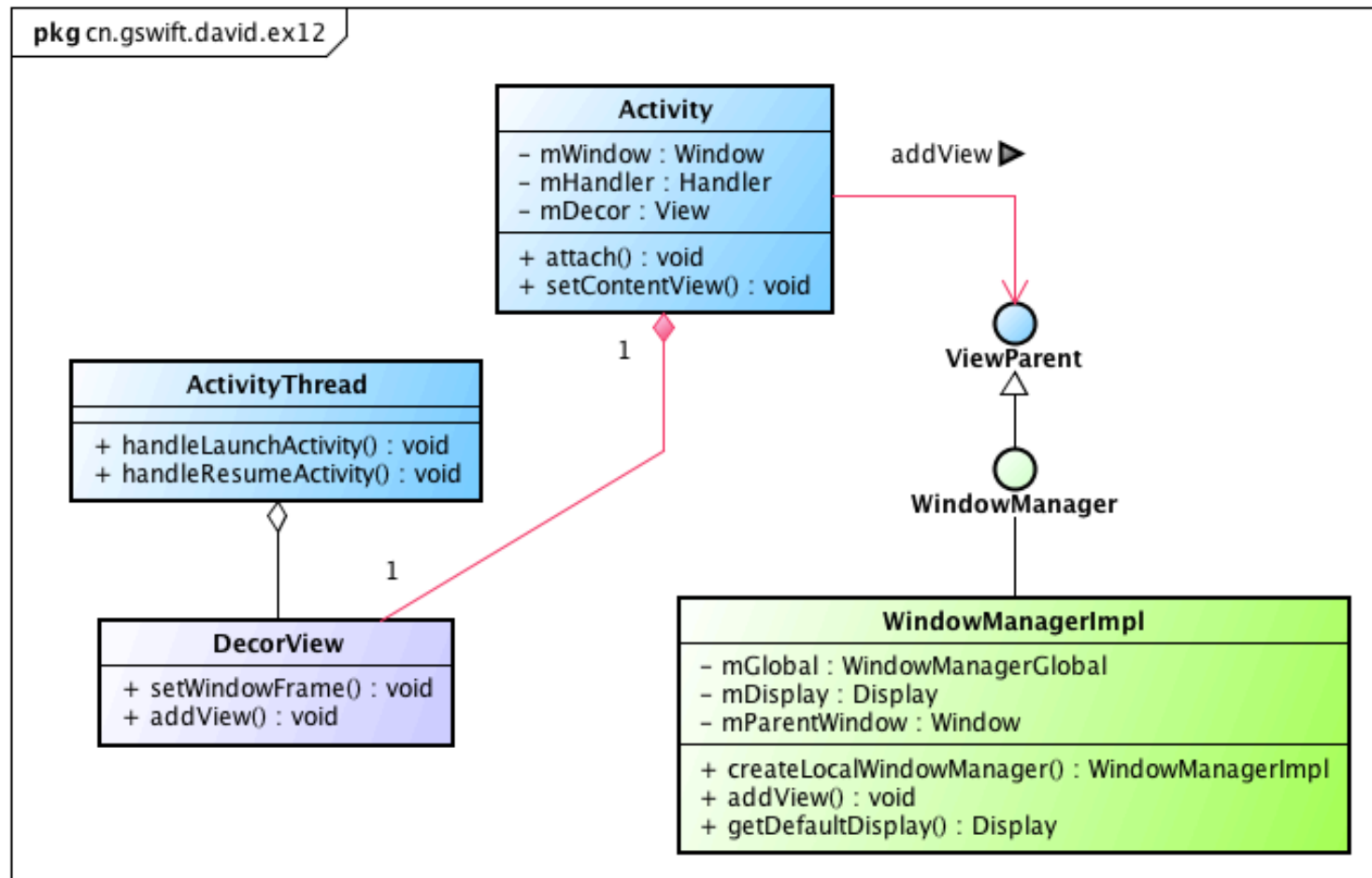
**PhoneWindow's
DecorView**



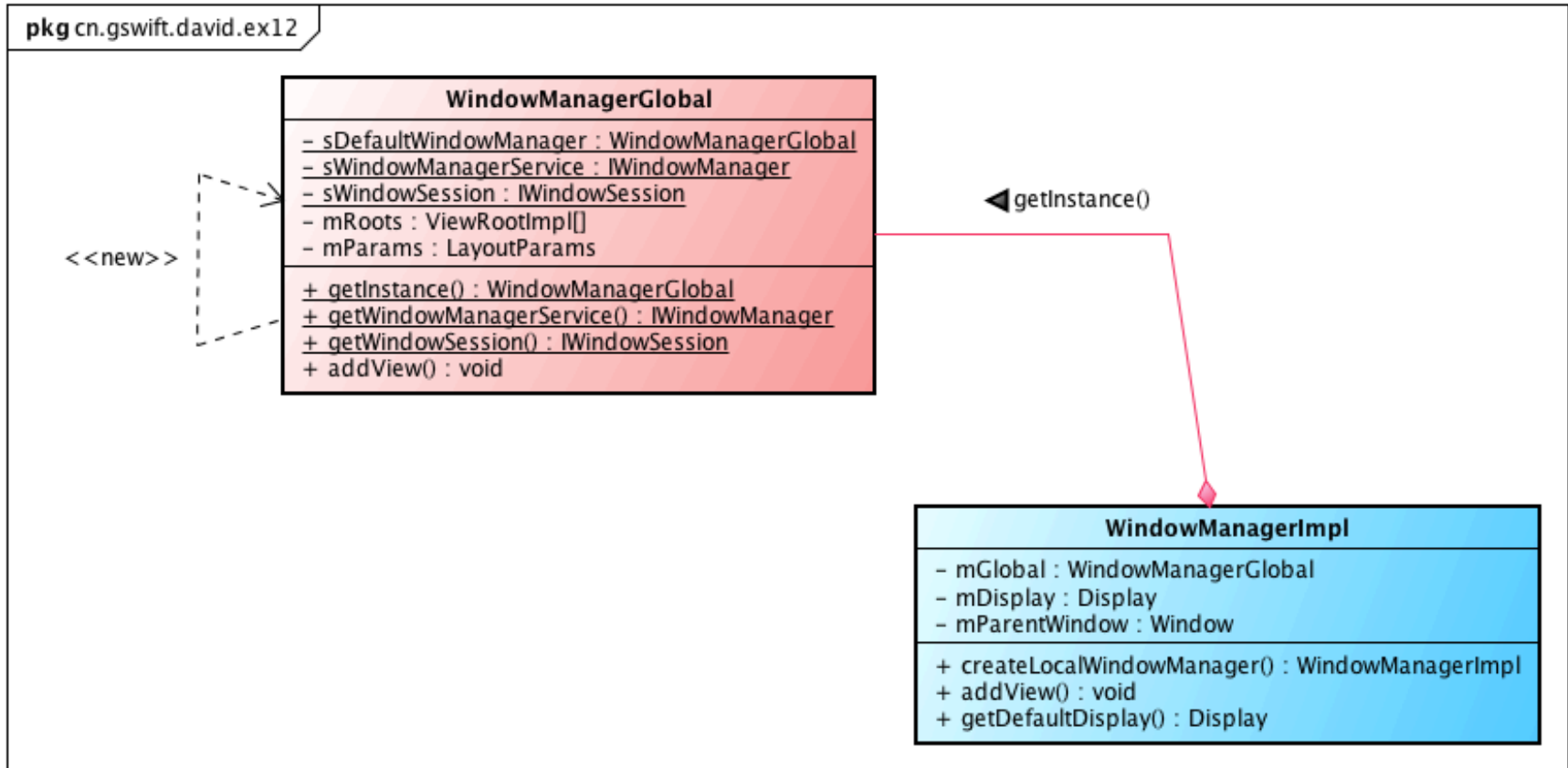
PhoneWindow addView



Add view to local WindowManager

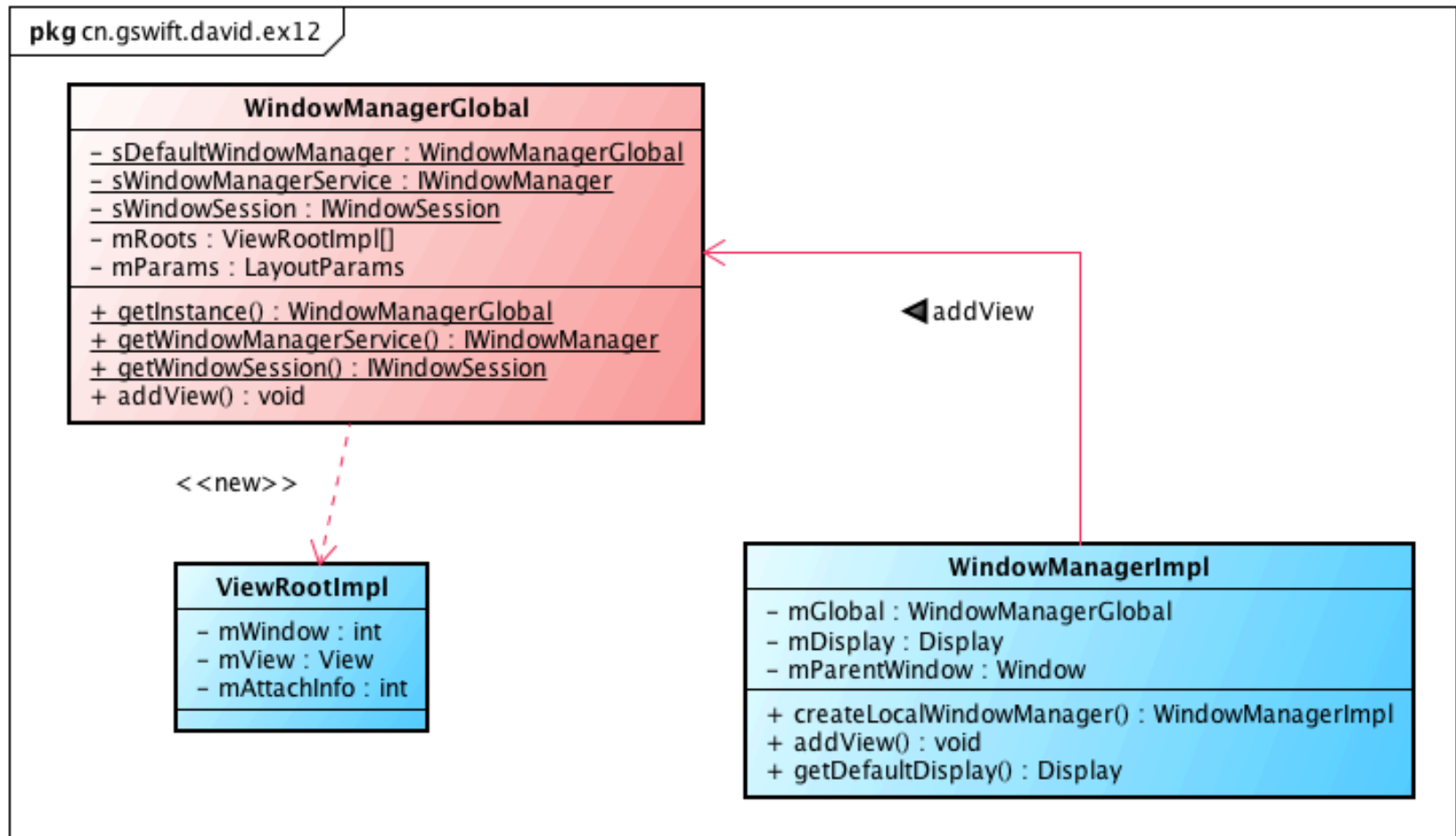


WindowManagerGlobal



Create a ViewRootImpl instance

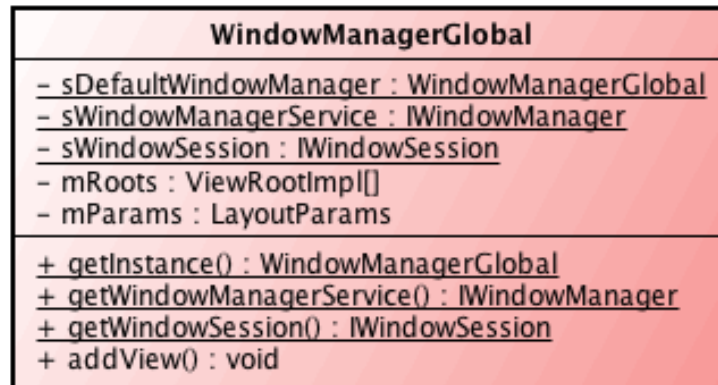
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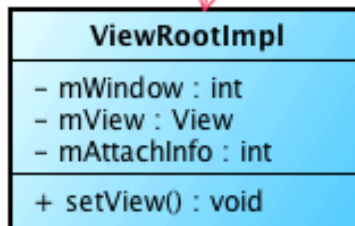
ViewRootImpl setView*



pkg cn.gswift.david.ex12



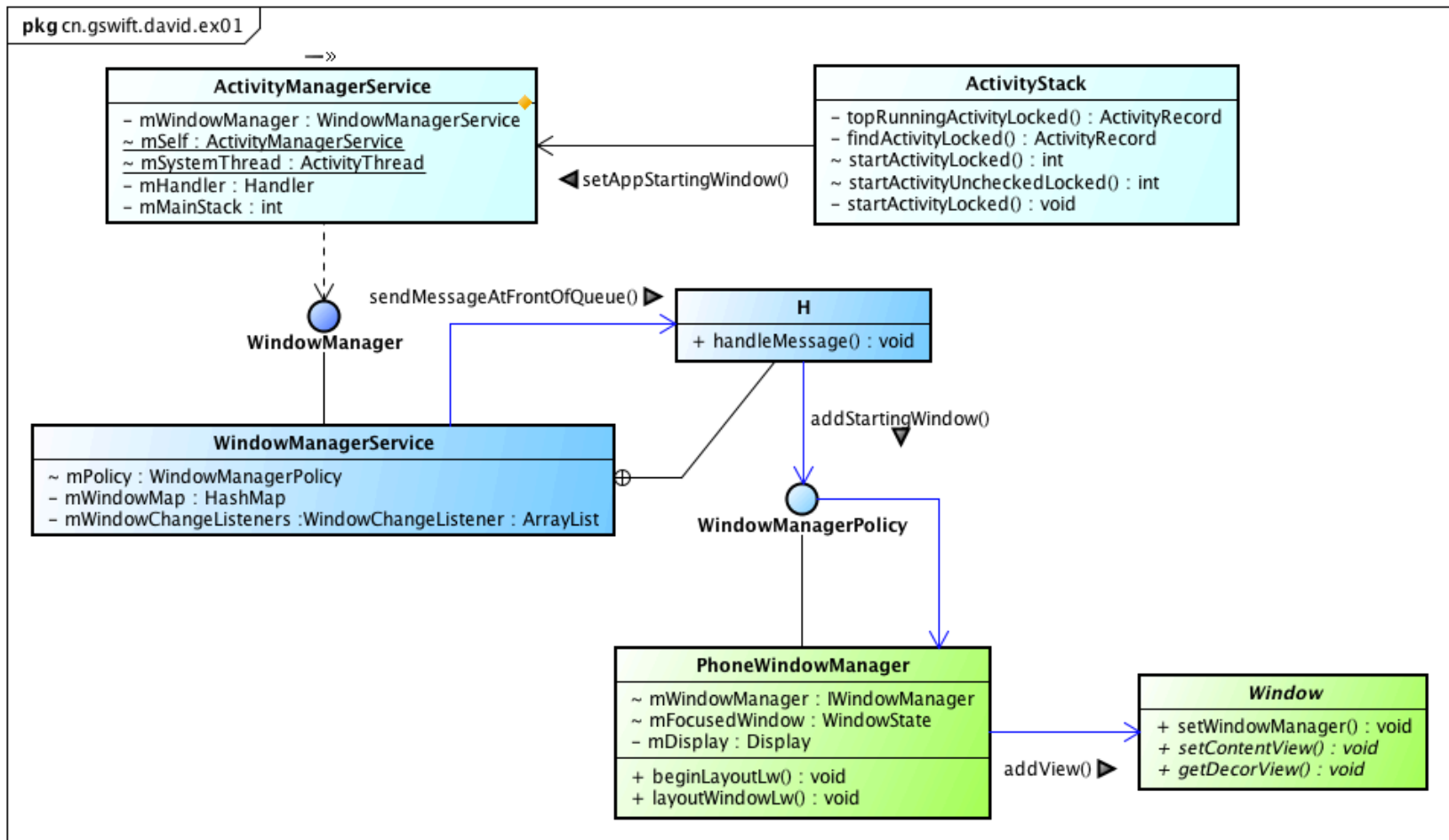
setView
▼



◀ addView



SetAppStartingWindow()





参考资料:

Android4.2 <http://code.metager.de/source/xref/android/4.2/>

About Me



- I have been working as a product-designer specializing in software/Web application design and development. I am passionate about mobile application development and became interested in Android programming when the platform was launched by Google. Thus I was not programming on Android projects, I spent spare time reading technical blogs, researching, analyzing, and testing mobile applications, as a software consultancy specialized in android technologies.
- In my product-design time, in the developing, I've encountered too many program manage troubles that suffer due to poor communication and code design, I know that help them to understand the system framework is very important. I am experienced in system and application layers, my goal is simple: help someone who wishes to better understand the **Android framework** in java、JNI and C/C++ libraries.
- Please also check my article and slides on this <http://blog.sina.com.cn/gswift>

Contact: Zhiyong.liu@aliyun.com



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