

CocoaHeads.fr

NSWindow

1988 -

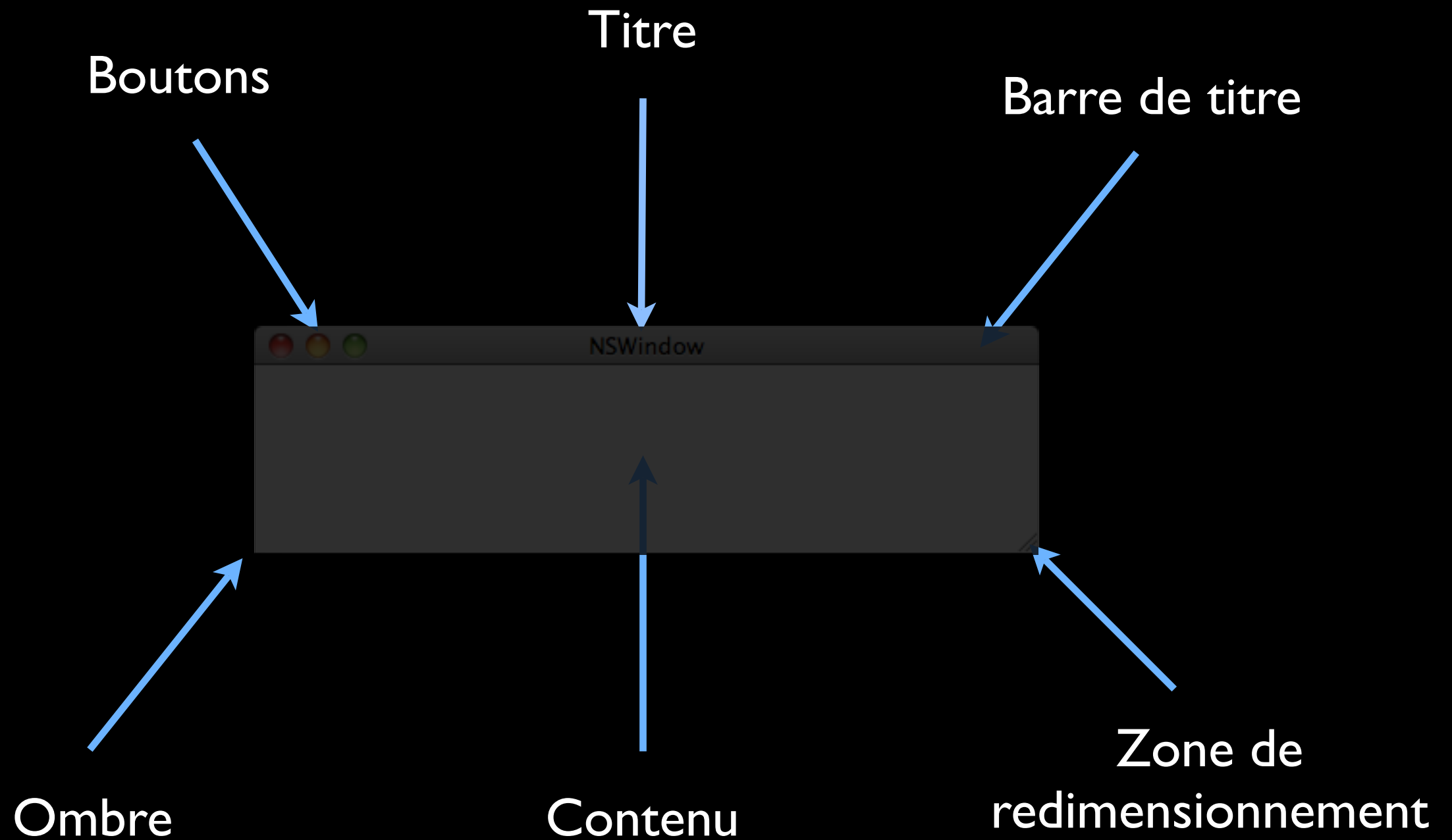
Stéphane Sudre

Employé du mois chez Lapeyre

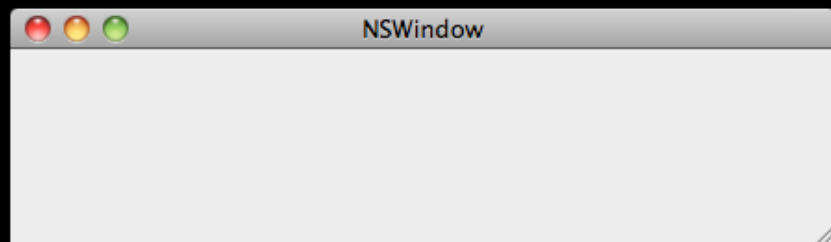
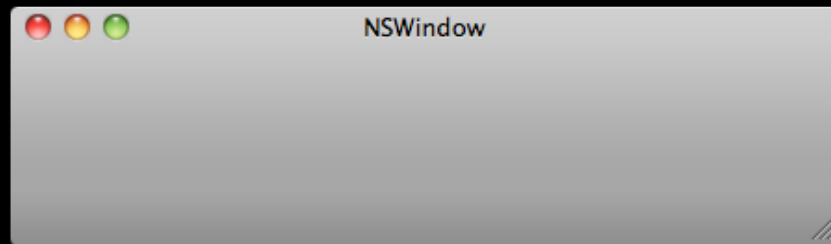
Sommaire

- Profil d'une fenêtre
- Les bases
- Performance
- Utilisations avancées

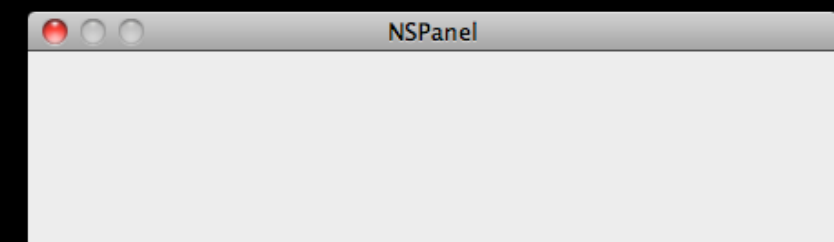
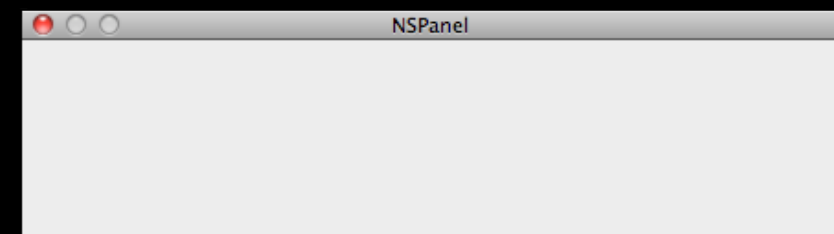
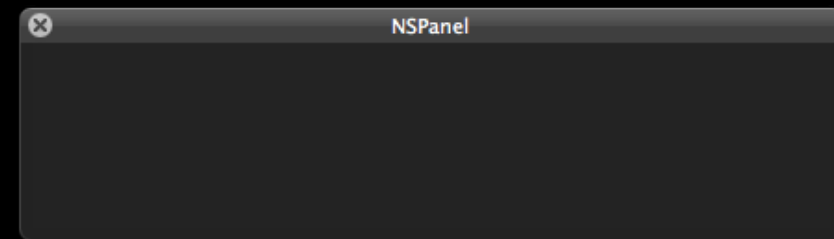
Profil d'une fenêtre



Profil d'une fenêtre



NSWindow



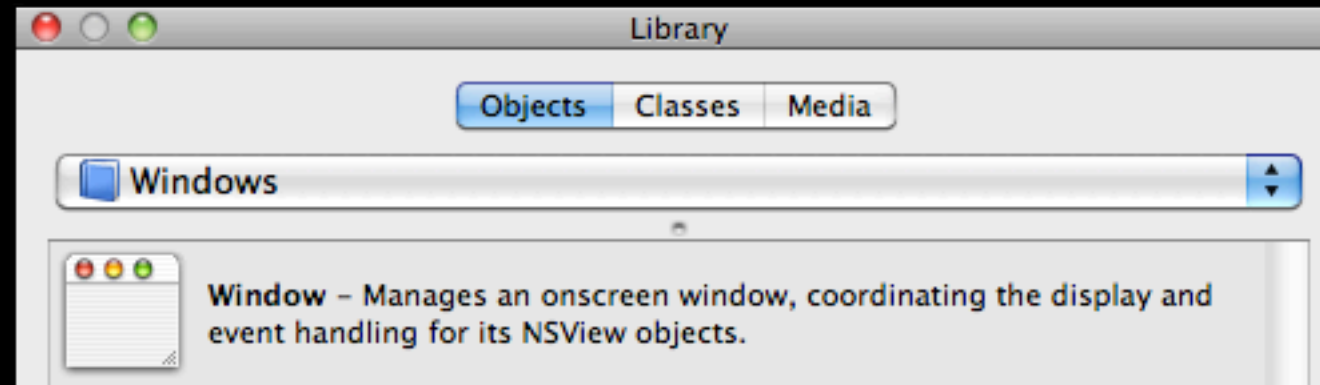
NSPanel

Profil d'une fenêtre

Key	La fenêtre qui répond aux entrées clavier
Main	La fenêtre standard qui est au premier plan
Activate	L'application est l'application active

Les bases

Créer une fenêtre



- initWithContentRect:
styleMask:
backing:
defer:

Les bases

Afficher/masquer une fenêtre



- makeKeyAndOrderFront:
- orderFront:
- orderWindow:relativeTo:
- setAlpha:
- orderOut:
- setHidesOnDeactivate:
- setLevel:

kCGDesktopWindowLevel-1



Masquer n'est pas fermer !

- close / - setReleasedWhenClose:

Les bases

Redimensionner une fenêtre



- setFrame:display:animate:
- setFrame:display:
- setContentSize:



Indépendance de la résolution !

+ setFrameForContentRect:styleMask:

Les bases

Contraindre le redimensionnement manuel



☐ **Minimum Size**
Width Height

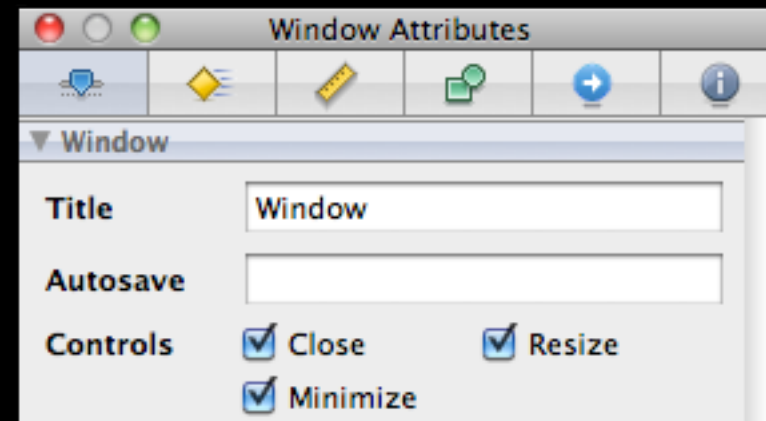
☐ **Maximum Size**
Width Height



- `setMinSize:`
- `setMaxSize:`
- `setAspectRatio:`
- `setResizeIncrements:`

Les bases

Autoriser/interdire le redimensionnement manuel



- `setShowsResizeIndicator:`
- `setMinSize:`
- `setMaxSize:`



Il est peut-être déjà trop tard !

Les bases

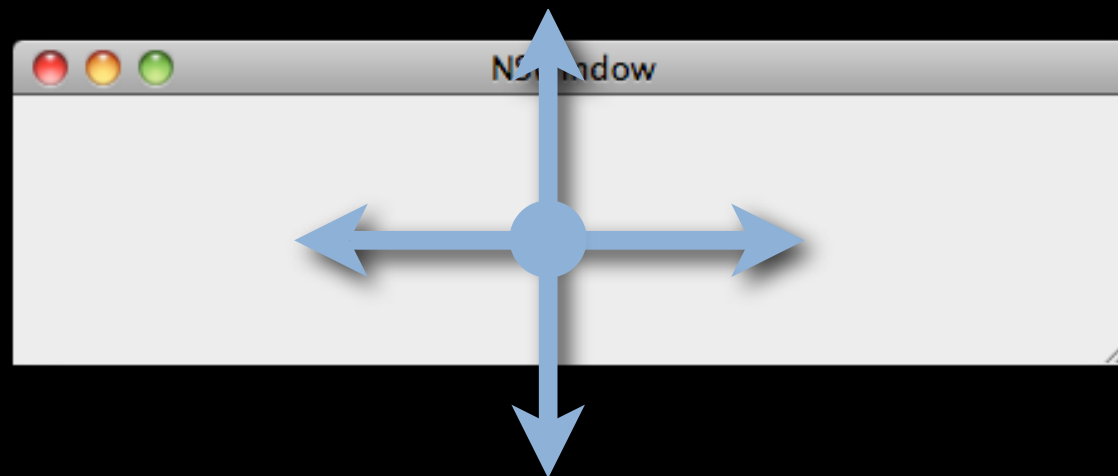
Déplacer une fenêtre avec du code



- setFrameOrigin:
- setFrameTopLeftPoint:
- setFrame:display:animate:

Autoriser le déplacement par le fond

- setMovableByBackground:



Les bases

Placer une fenêtre dans le Dock



- miniaturize:
- deminiaturize:



Attention à la fermeture de fenêtres dans le Dock



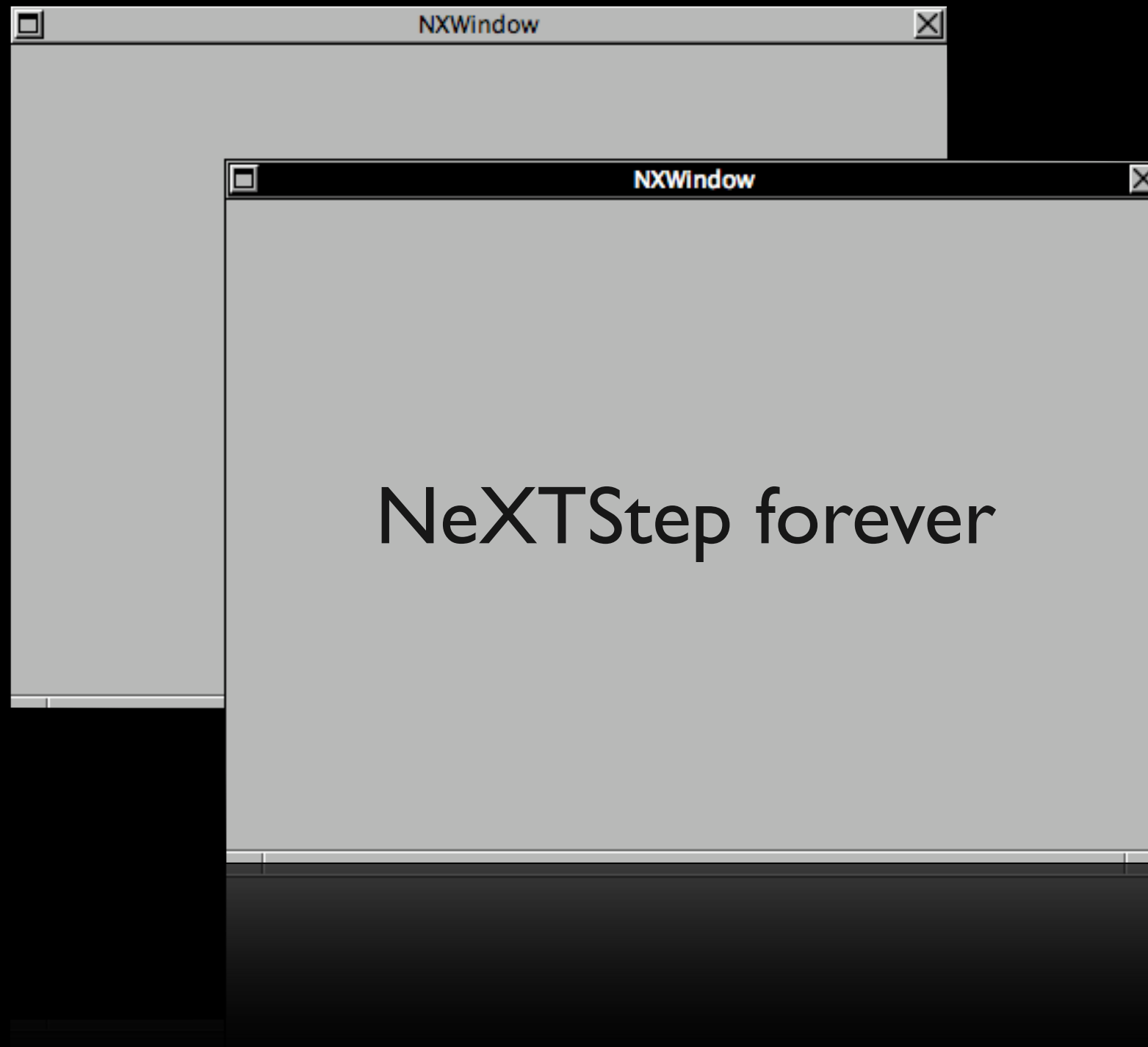


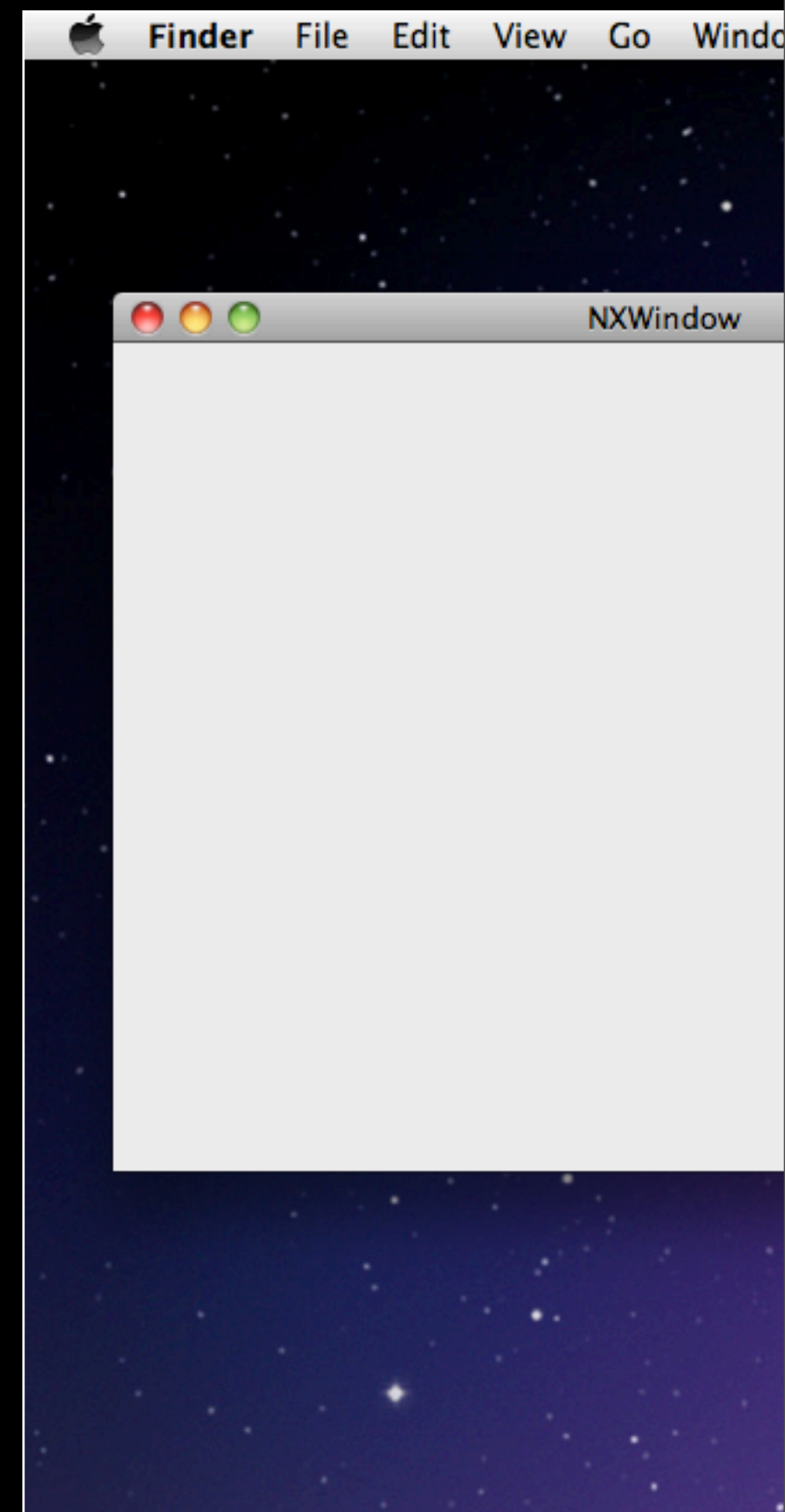
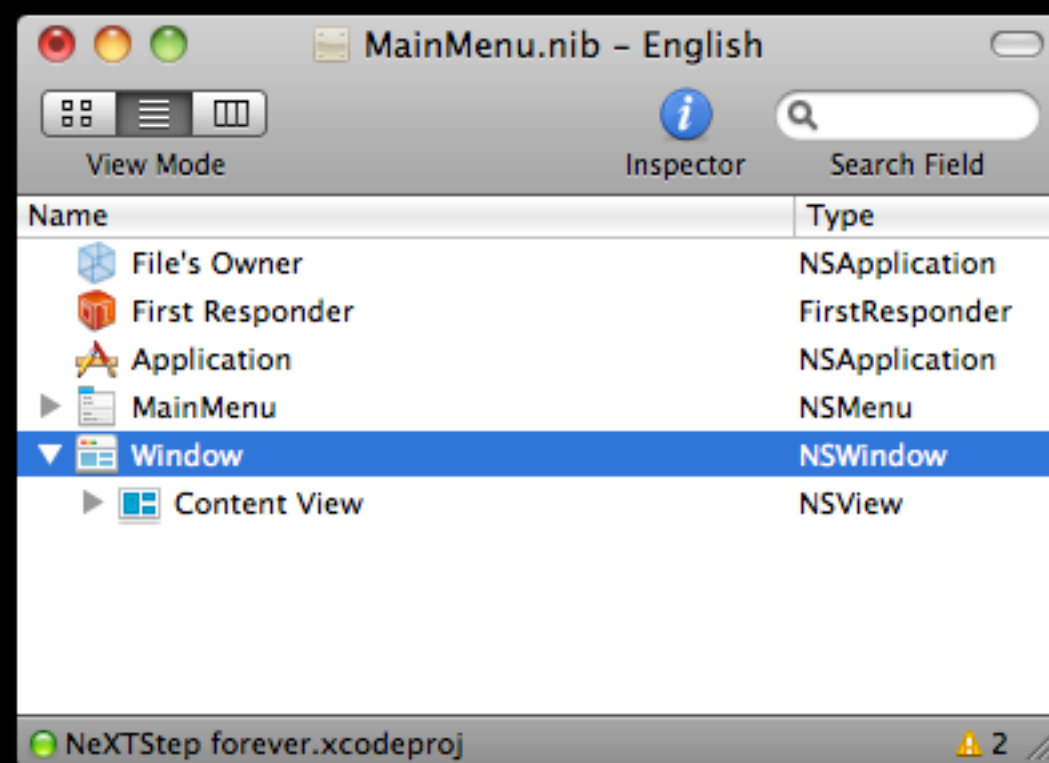
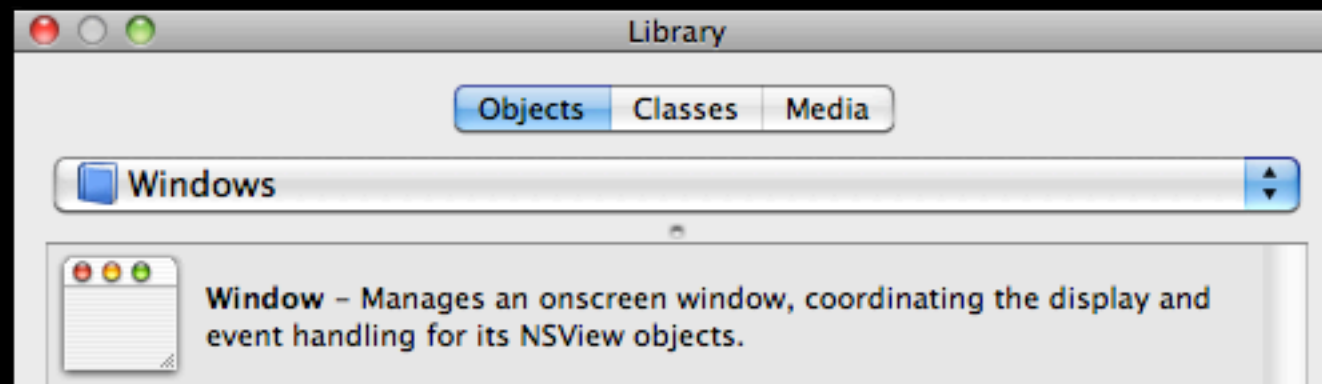
Démonstration

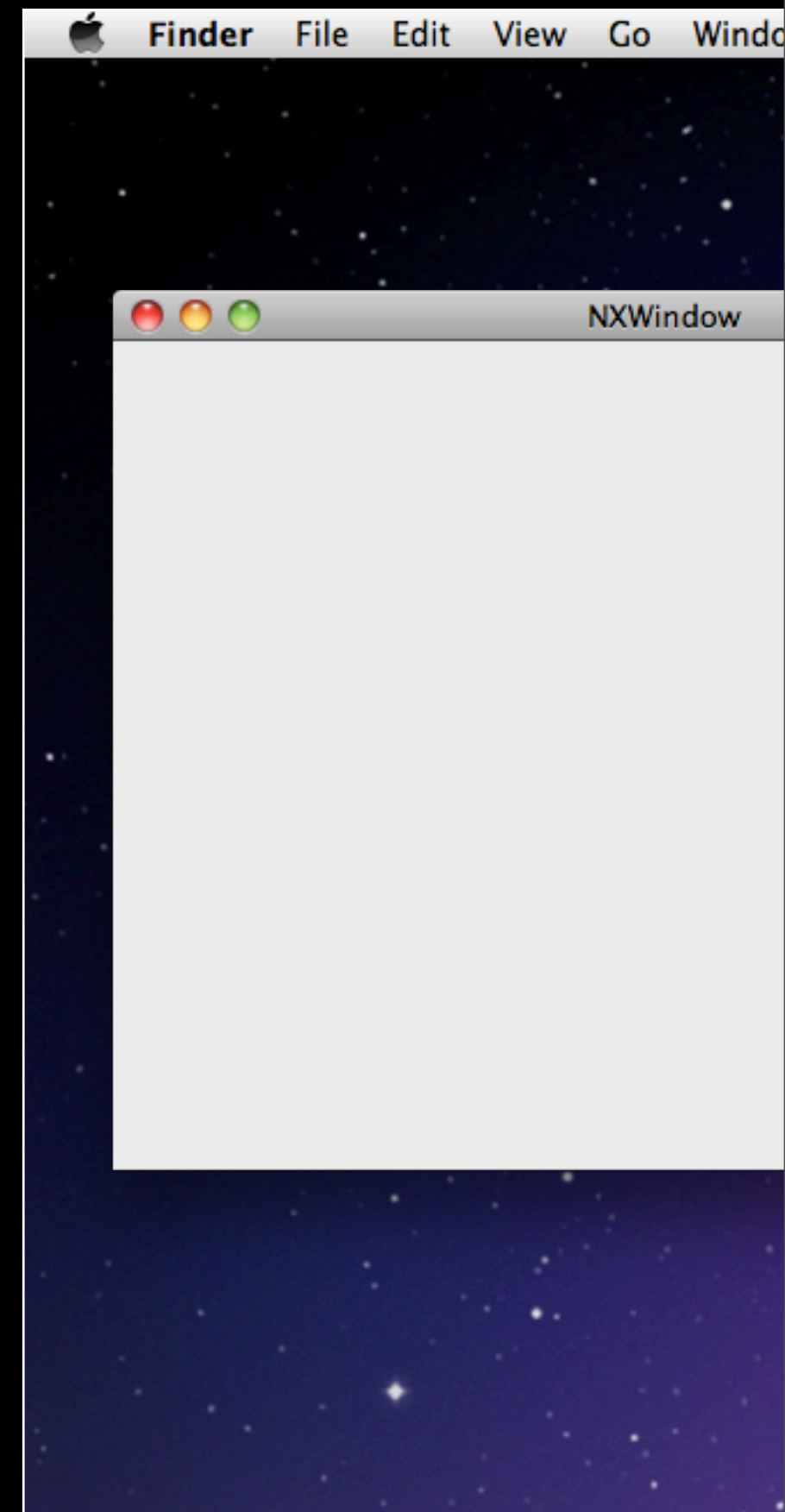
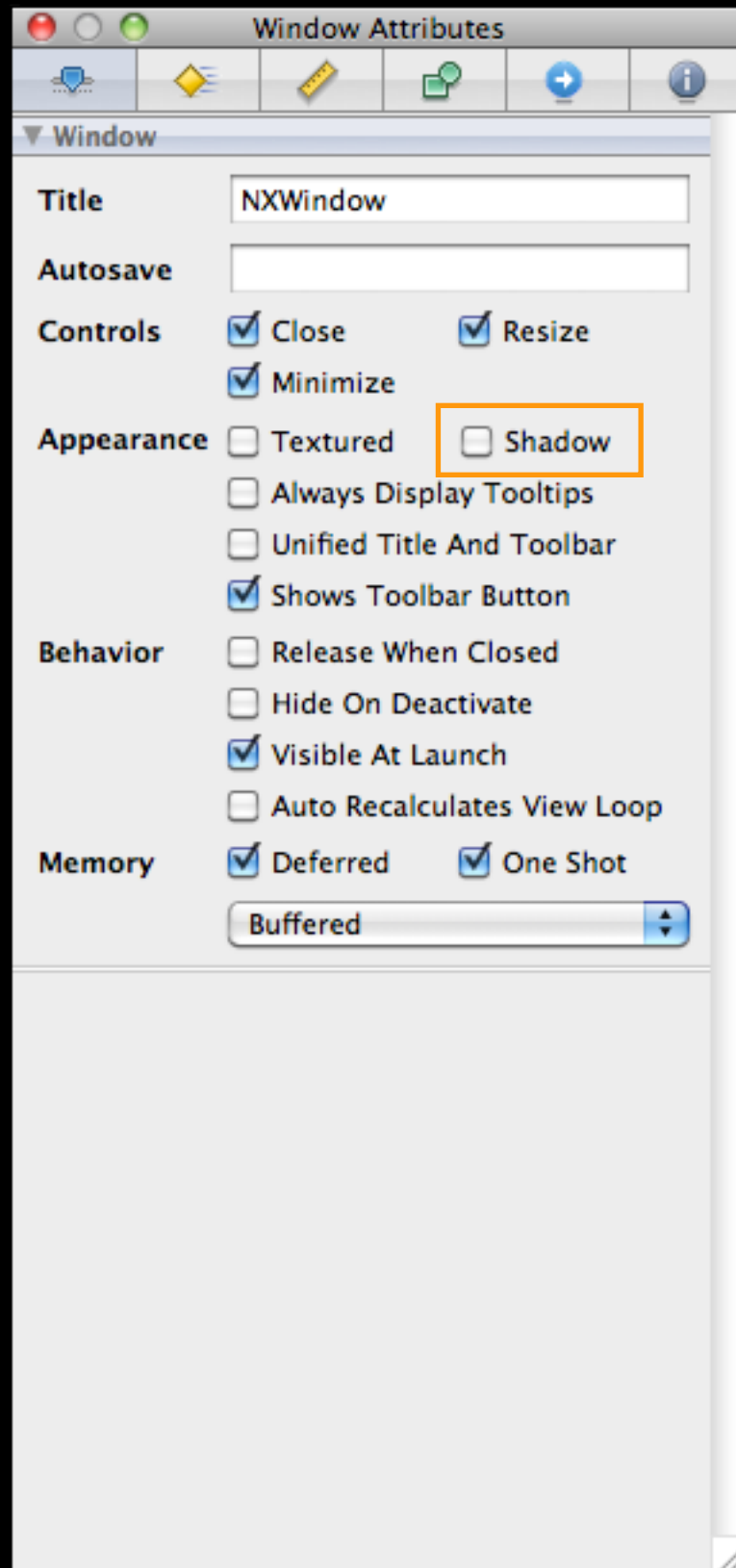
Une fenêtre pour les gouverner toutes



- addChildWindow:ordered:
- removeChildWindow:
- parentWindow







Window Identity

Class Identity

Class NX_Window

User Defined Runtime Attributes

Key Path	Type	Value

+ -

Interface Builder Identity

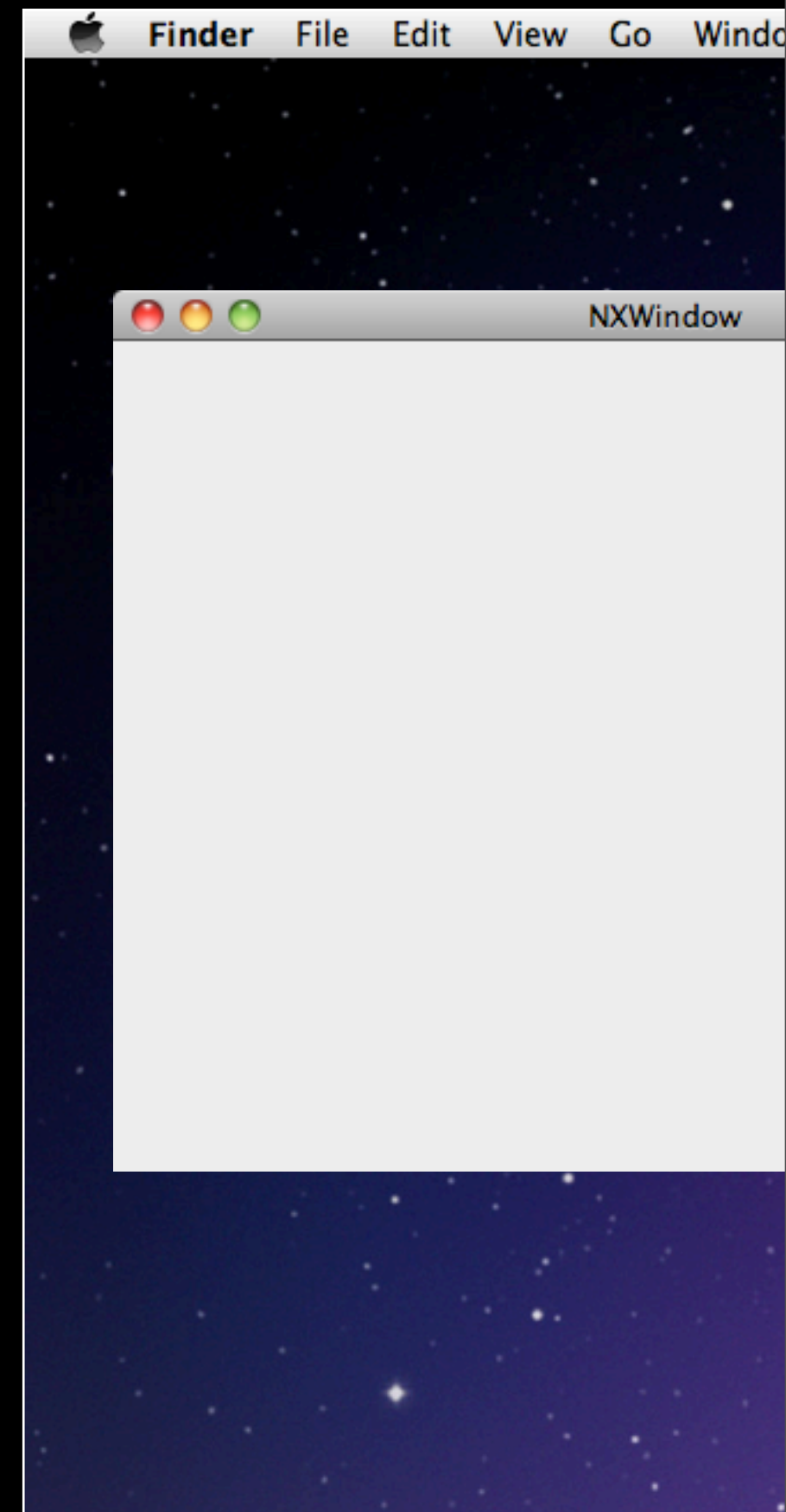
Name Window11

Object ID 226

Lock Nothing (Inherited)

Label x [red] [orange] [yellow] [green] [blue] [purple] [grey]

Notes ☐ Show With Selection




```
- (id) initWithContentRect:(NSRect) inFrame
    styleMask:(NSUInteger) inStyle
    backing:(NSBackingStoreType) inType
    defer:(BOOL) aFlag {

    self=[super initWithContentRect:inFrame
        styleMask:NSBorderlessWindowMask
        backing:inType
        defer:aFlag];

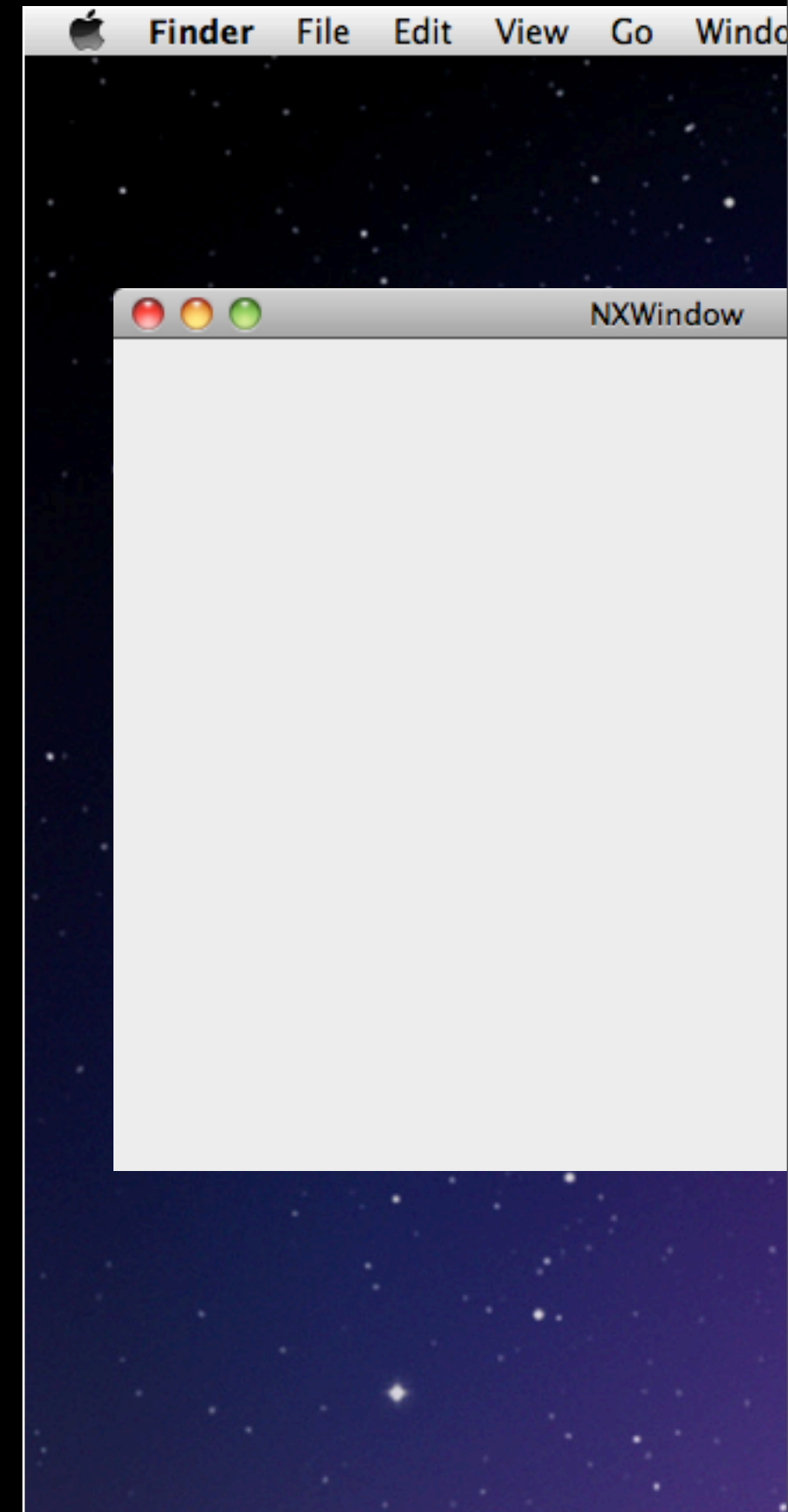
    if (self!=nil) {

        [self setOpaque:NO];

        [self setBackgroundColor: [NSColor clearColor]];

    }

    return self;
}
```




```
- (id) initWithContentRect:(NSRect) inFrame
    styleMask:(NSUInteger) inStyle
    backing:(NSBackingStoreType) inType
    defer:(BOOL) aFlag {
```

```
self=[super initWithContentRect:inFrame
    styleMask:NSBorderlessWindowMask
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    defer:aFlag];
```

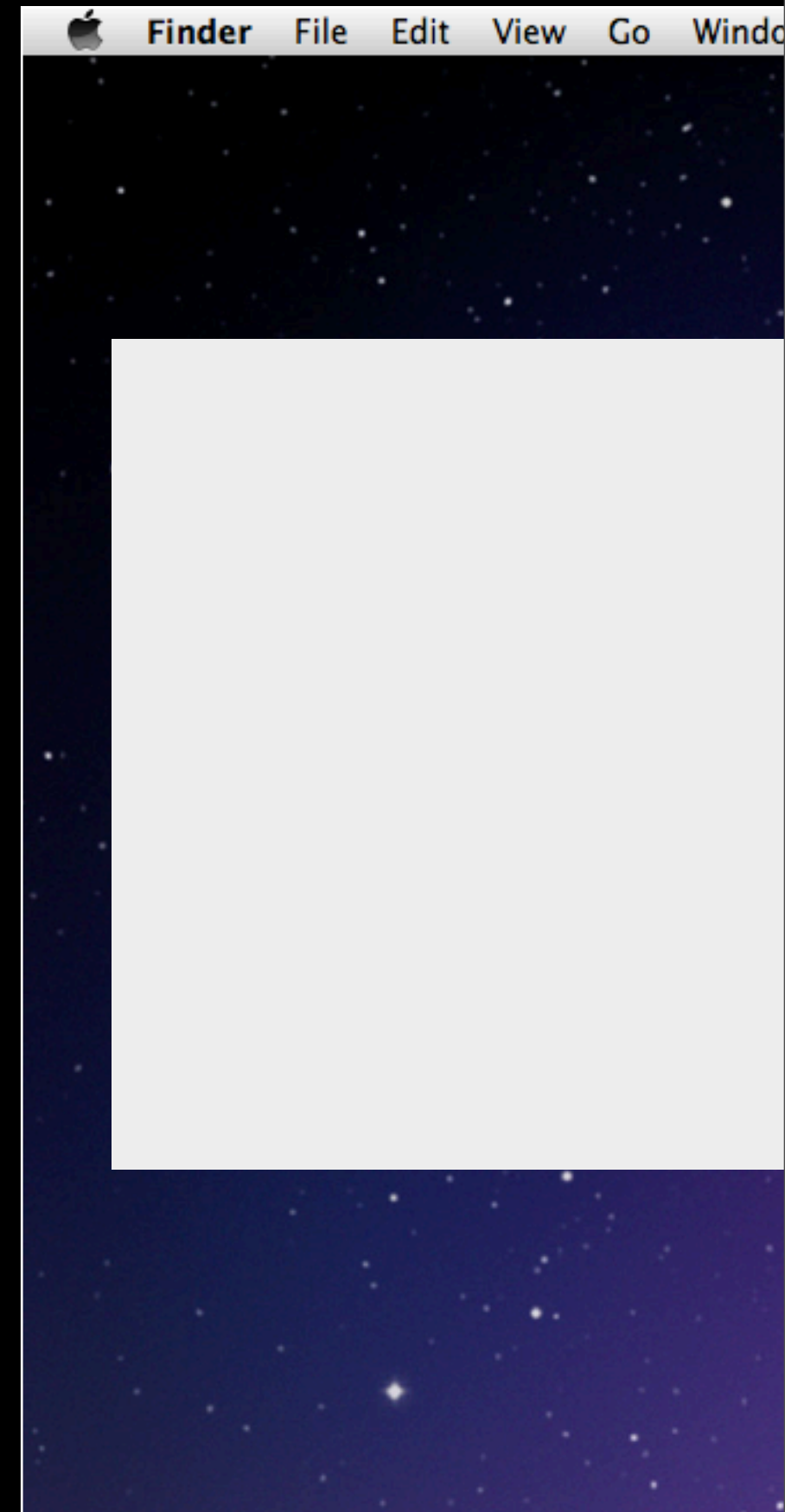
```
if (self!=nil) {

    [self setOpaque:NO];

    [self setBackgroundColor: [NSColor clearColor]];

}

return self;
}
```



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- (id) initWithContentRect:(NSRect) inFrame
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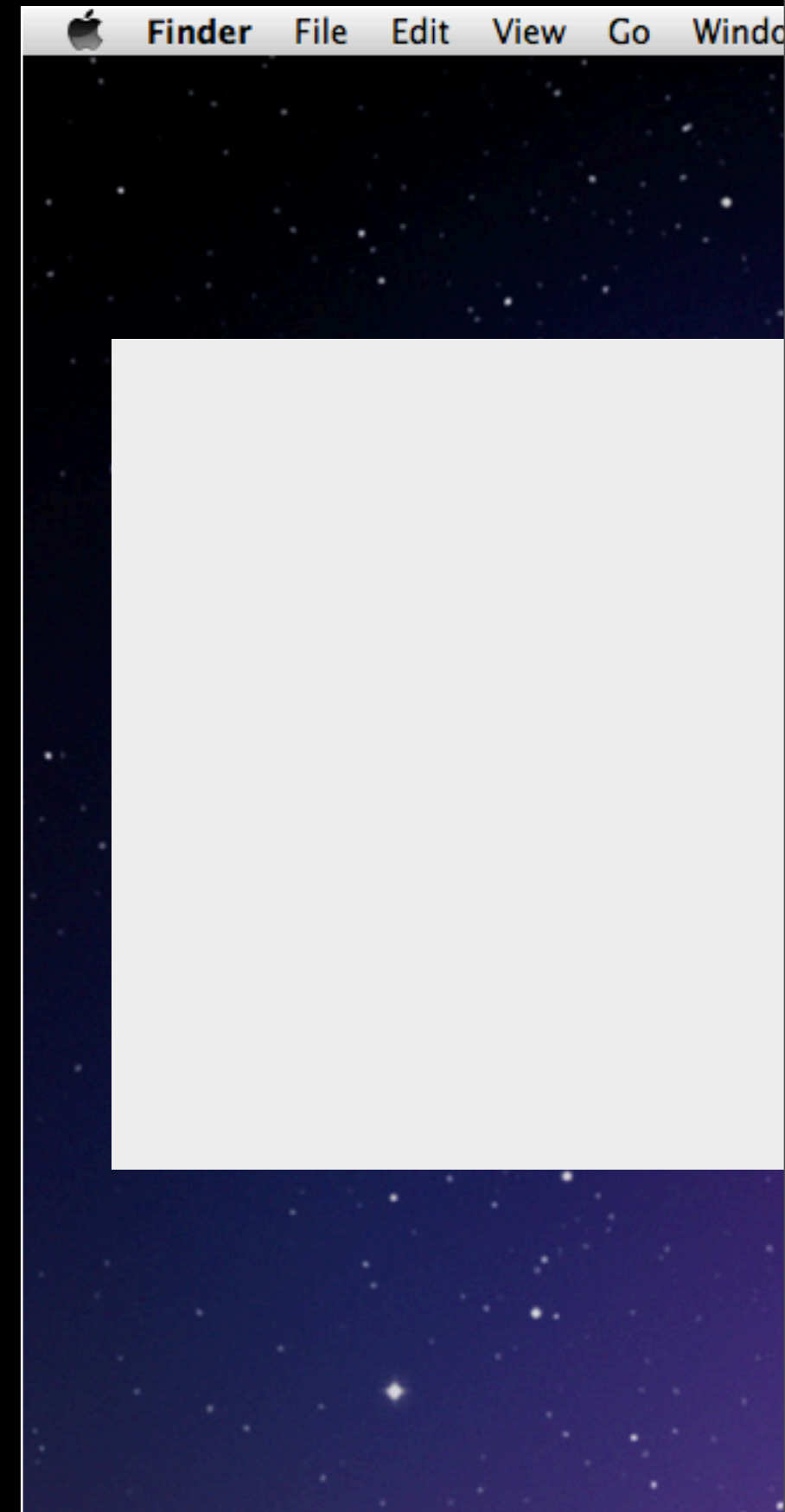
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- (id) initWithContentRect:(NSRect) inFrame
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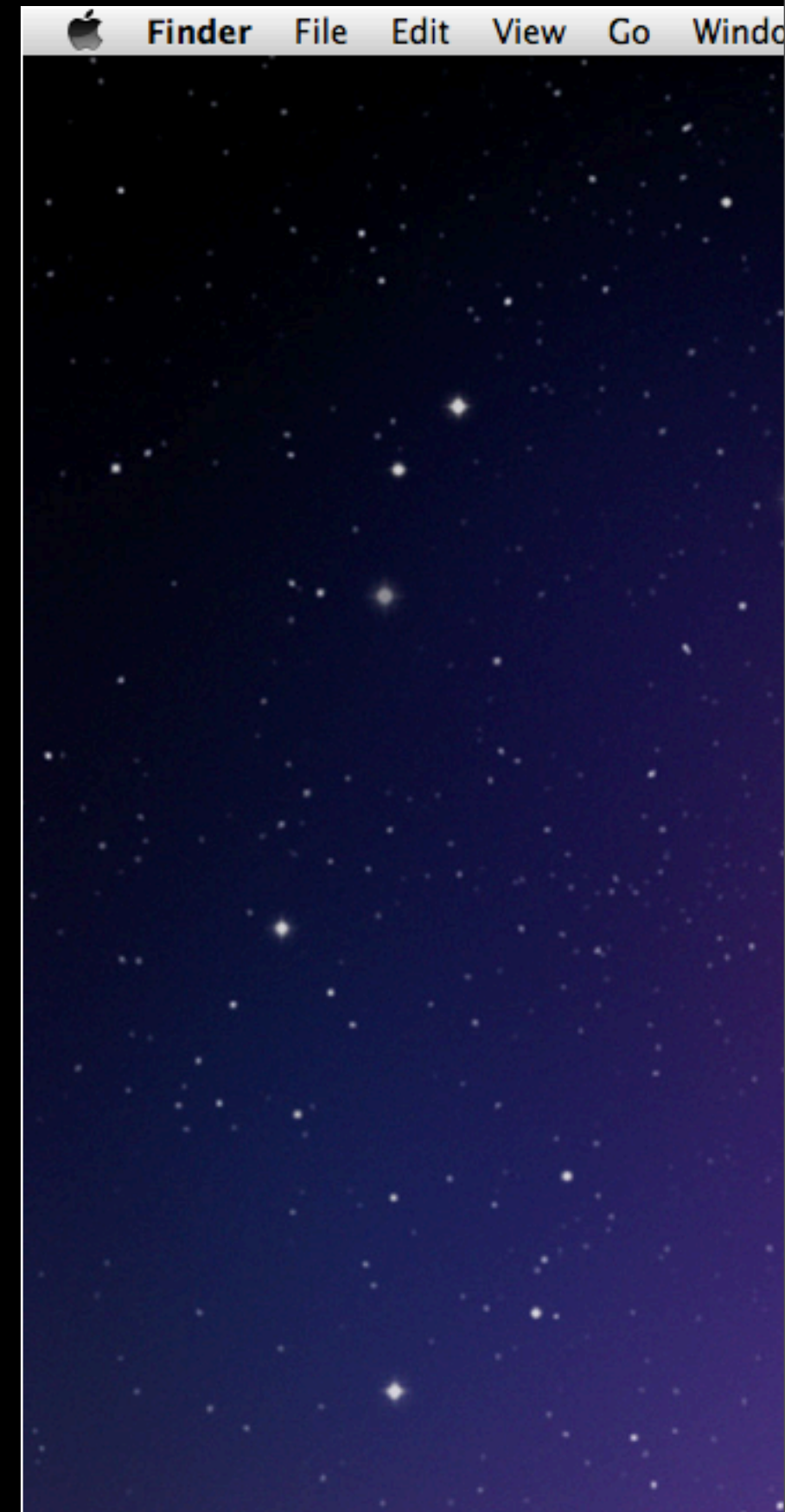
    if (self!=nil) {

        [self setOpaque:NO];

        [self setBackgroundColor: [NSColor clearColor]];

    }

    return self;
}
```



Window Theme Frame Identity

Class Identity

Class **NX_WindowThemeFrame**

User Defined Runtime Attributes

Key Path	Type	Value

+ -

Accessibility Identity

Description

Help

Tool Tip

Tool Tip

Interface Builder Identity

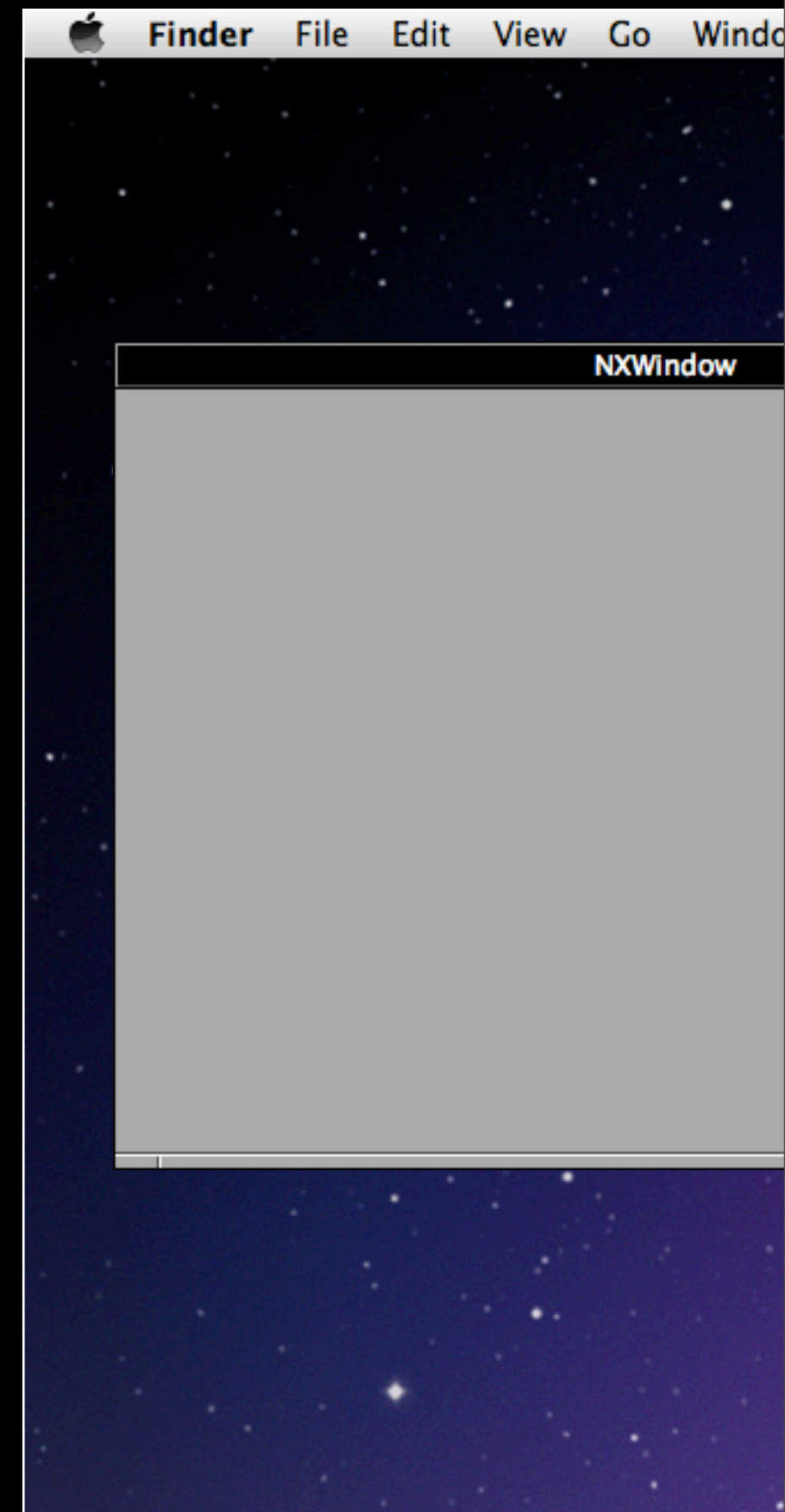
Name

Object ID 227

Lock Nothing (Inherited)

Label x

Notes ☐ Show With Selection

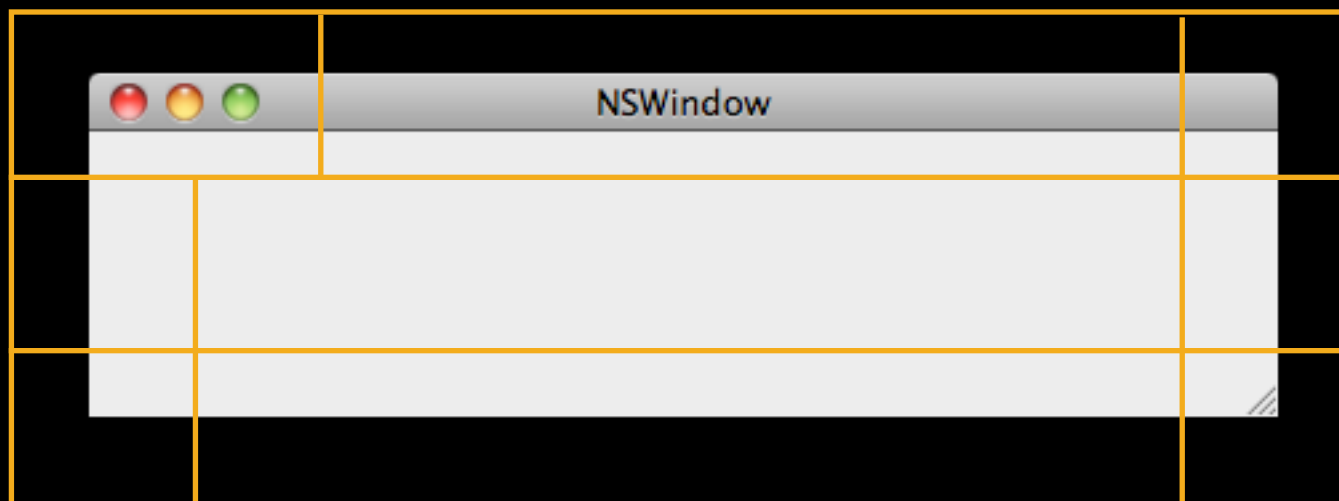




1

HIThemeDrawWindowFrame(...);

2



rdar://8090925

Démonstration

Ressources

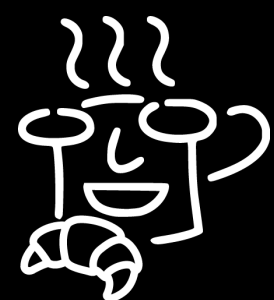
Documentation

developer.apple.com/mac/library/documentation/Cocoa/Conceptual/WinPanel/WinPanel.html

Sample Code

developer.apple.com/mac/library/samplecode/RoundTransparentWindow/

developer.apple.com/mac/library/samplecode/FunkyOverlayWindow/FunkyOverlayWindow.zip



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