

Creating a User Interface

# 2 Composing the Interface

*To compose your application's interface, you just drag objects off a palette, drop them on a window or other <sup>a</sup>surface,<sup>o</sup> and then manipulate and arrange them into an effective user interface. This chapter introduces you to Interface Builder by showing how to compose the elements of your interface.*

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;OpeningANibFile.rtf;linkMarkername Openinganibfile;, Opening a nib file  
                                ;MakingInterfaceObjectsTheSameSize.rtf;linkMarkername  
Makinginterfaceobjectsthesamesize;, Making interface objects the same size  
  
;CreatingANibFile.rtf;linkMarkername Creatinganibfile;, Creating a nib file  
                                ;PositioningAndSizingPrecisely.rtf;linkMarkername  
Positioningandsizingprecisely;, Positioning and sizing precisely  
  
;UsingPalettes.rtf;linkMarkername Usingpalettes;, Using palettes ;SizingWindowsAndPanels.rtf;linkMarkername  
Sizingwindowsandpanels;, Sizing windows and panels  
  
;PlacingInterfaceObjects.rtf;linkMarkername Placinginterfaceobjects;, Placing interface objects  
                                ;MovingObjectsToOtherWindows.rtf;linkMarkername  
Movingobjectstootherwindows;, Moving objects to other windows  
  
;InitializingText.rtf;linkMarkername Initializingtext;, Initializing text ;ArrangingObjects.rtf;linkMarkername  
Arrangingobjects;, Arranging objects  
  
;RemovingObjects.rtf;linkMarkername Removingobjects;, Removing objects ;GroupingObjects.rtf;linkMarkername  
Groupingobjects;, Grouping objects
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**;DuplicatingObjects.rtf;linkMarkername Duplicatingobjects;, Duplicating objects**  
**;CreatingMatricesOfObjects.rtf;linkMarkername**  
**Creatingmatricesofobjects;, Creating matrices of objects**  
**;SizingInterfaceObjects.rtf;linkMarkername Sizinginterfaceobjects;, Sizing interface objects**  
**;CreatingMenus.rtf;linkMarkername Creatingmenus;, Creating**  
**menus**  
**;ShrinkingObjectsToTheirMinimumSize.rtf;linkMarkername Shrinkingobjectstotheirminimumsize;, Shrinking objects**  
**to their minimum size**  
**;LayeringObjects.rtf;linkMarkername Layeringobjects;, Layering**  
**objects**  
**;ComposingConcepts.rtf;;, Related Concepts**

The last thing one knows in constructing a work is what to put first.  
Blaise Pascal, *Pensées*

Measurement began our might.  
W. B. Yeats, <sup>a</sup>Under Ben Bulbin<sup>o</sup>