

Beginning

Core Graphics

Part 0: Introduction

What is Core Graphics?

Apple's Drawing API

⚙ Vector

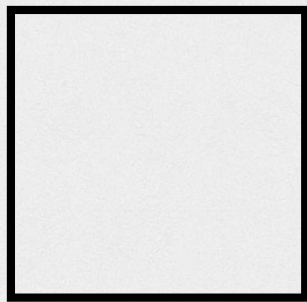
- ⚙ Paths
- ⚙ Transformations
- ⚙ Gradients, shadows

⚙ Bitmap

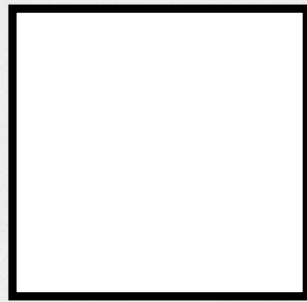
- ⚙ Image creation
- ⚙ Image processing

⚙ Create PDF documents

Drawing to the screen



UIView



CALayer



Drawing context



Core Graphics Framework

⚙️ Geometry

- ⚙️ CGRect
- ⚙️ CGSize
- ⚙️ CGPoint

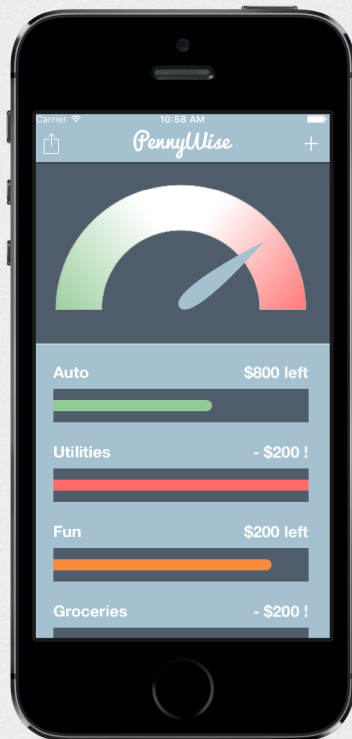
⚙️ C Based API

- ⚙️ CGContextSetBlendMode(context, .Multiply)

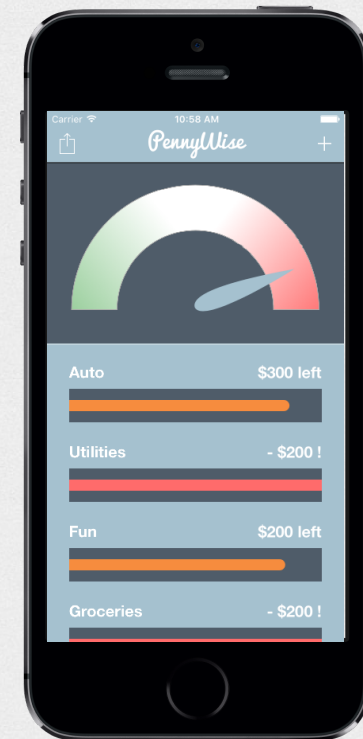
⚙️ UIKit wrappers

- ⚙️ UIColor.redColor().setFill()

PennyWise



The 'Add Expense' screen in the PennyWise app features a grid of category icons at the top: a car (Auto), a lightning bolt (Utilities), a smiley face (Fun), a shopping cart (Groceries), a group of people (Social), and a question mark (Other). Below the icons, the current total is displayed as '\$500' next to an orange 'DONE' button. At the bottom is a numeric keypad with digits 1-9, 0, a decimal point, and a back arrow.

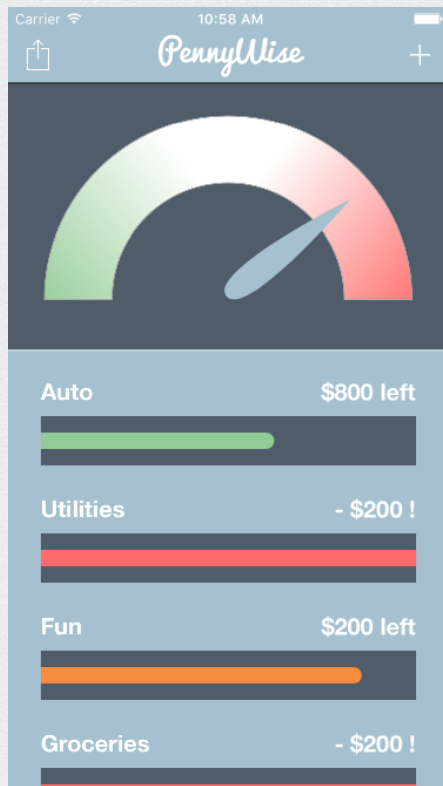


The Plan

- ⚙ Basic Drawing and Paths
- ⚙ Clipping Paths
- ⚙ Draw scalable icons
- ⚙ PaintCode



Get Started



The 'Add Expense' screen in the PennyWise app features a grid of category icons for selection. Below the icons, the current amount is displayed as \$500, and a 'DONE' button is visible. A numeric keypad is provided for entering the expense amount.

Category icons:

- Car (Auto)
- Lightning bolt (Utilities)
- Smiley face (Fun)
- Shopping cart (Groceries)
- Paw print (Pet)
- Question mark (Other)

Amount: \$500

Buttons: 1, 2, 3, 4, 5, 6, 7, 8, 9, 0, ., ↵