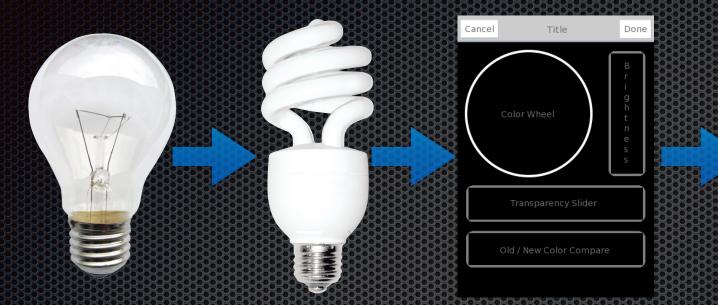
Mobile Application Programming

Design

The Iterative Design Process

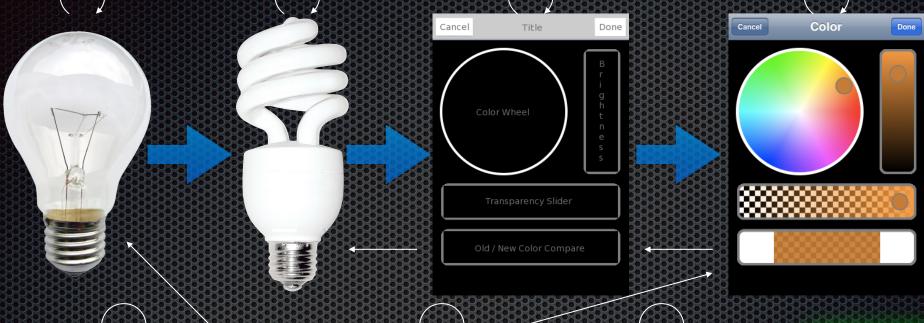








The Iterative Design Process



```
let quoteListJson: NSData? = NSData(c)
if (quoteListJson == nil)
{
    return
}
let quoteListJsonString: NSString = N
println(quoteListJsonString)

let quoteAttributions: NSArray? = NS.:
    allZeros, error: nil) as NSArray?
if (quoteAttributions == nil)
{
    return
}
for quoteDictionary in quoteAttributi
{
    let quoteID: String? = quoteDicti
    let quoteID != nil && quoteAttrib
    {
        quoteIDs.append(quoteID!)
```

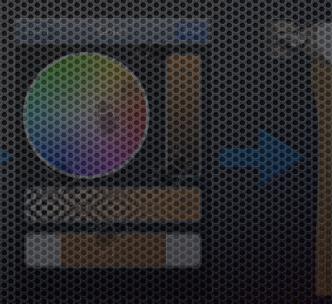




Idea





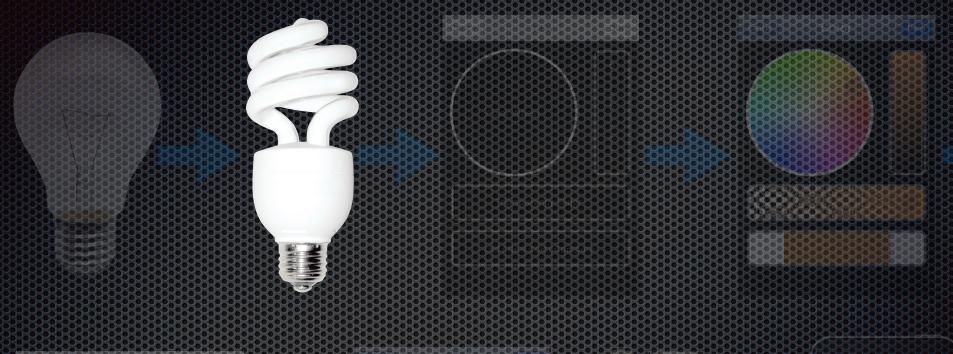


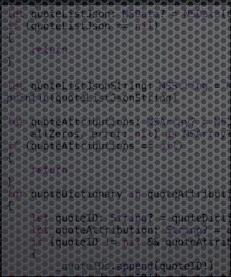


Idea



Refined Idea





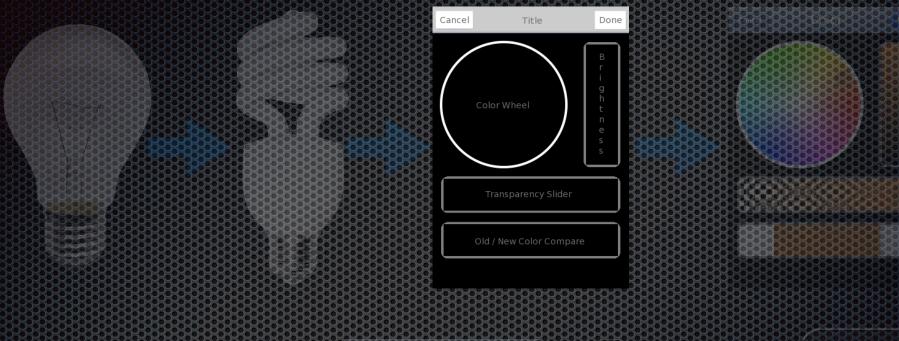


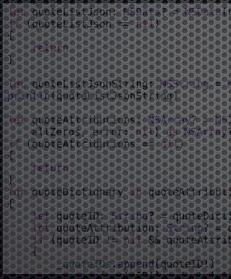


Refined Idea



Wire Frames

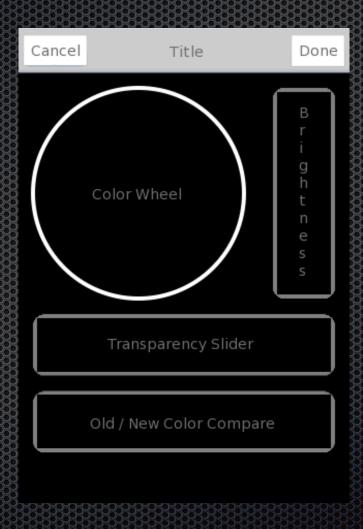




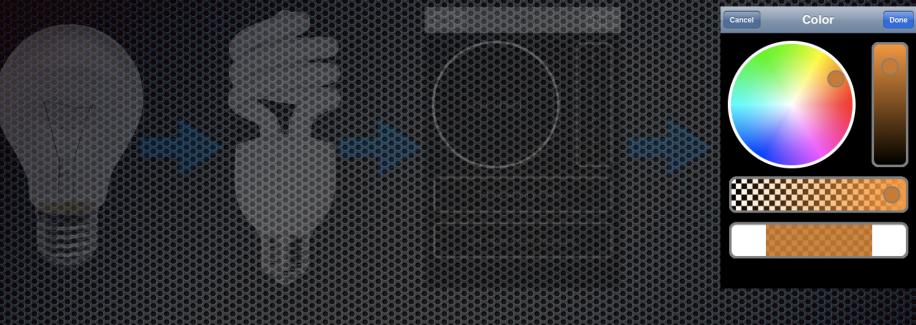




Wire Frames



Mockups







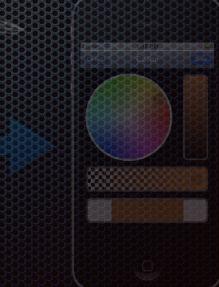
Mockups



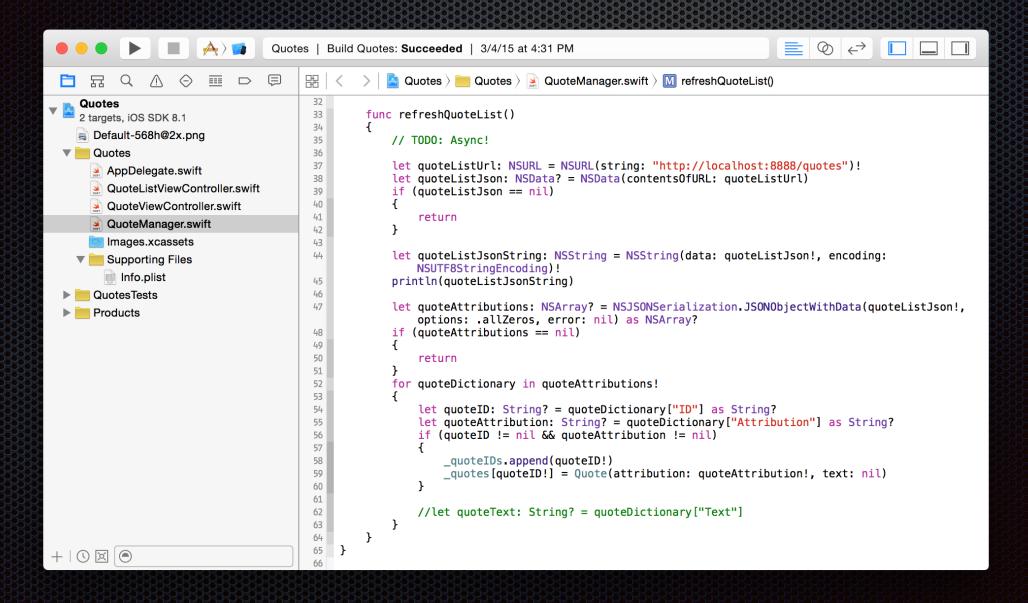
Implementation



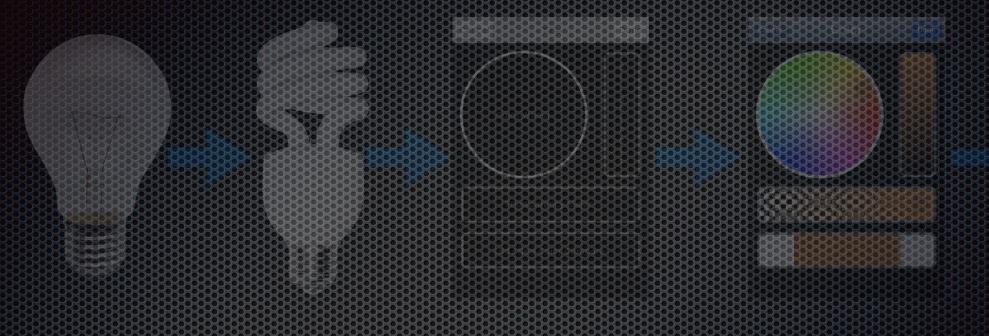




Implementation



Testing









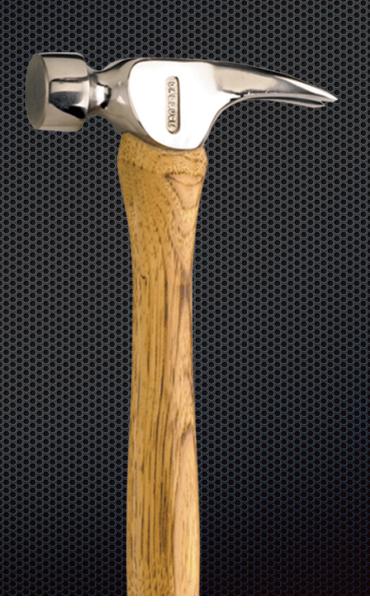
Testing



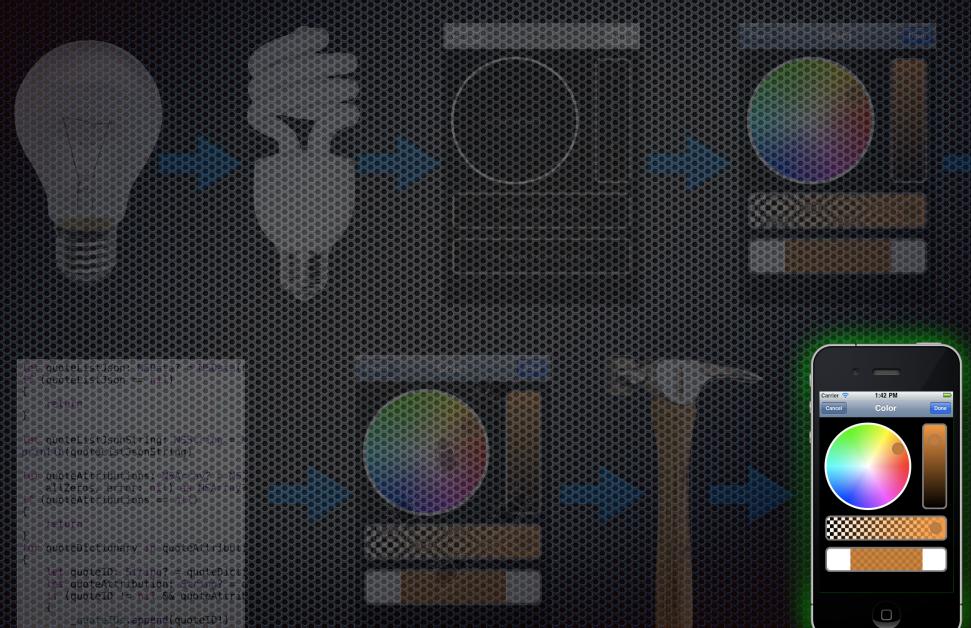
Quality Assurance



Quality Assurance



The Beginning



Product Life Cycle







Maintenance

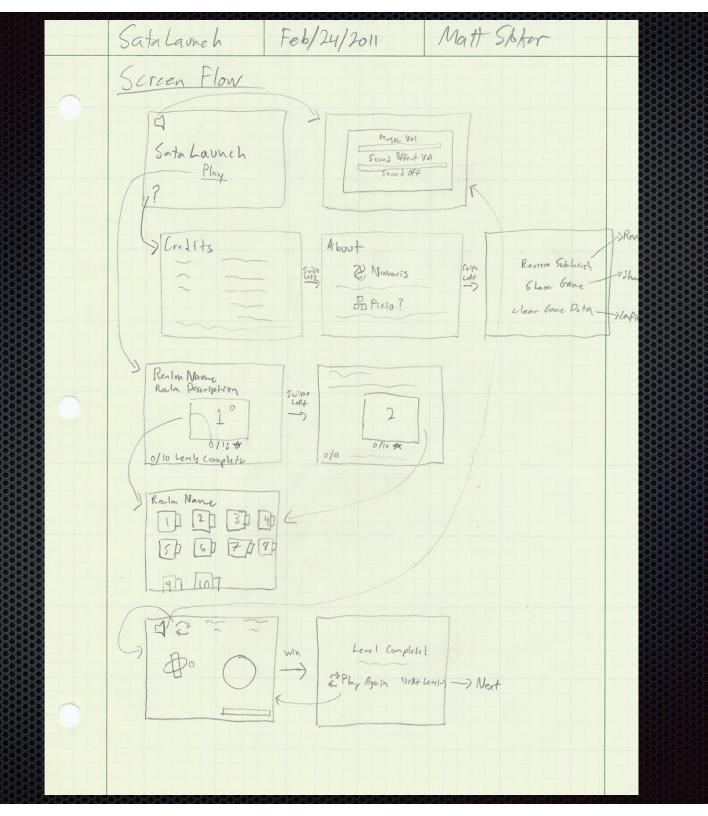


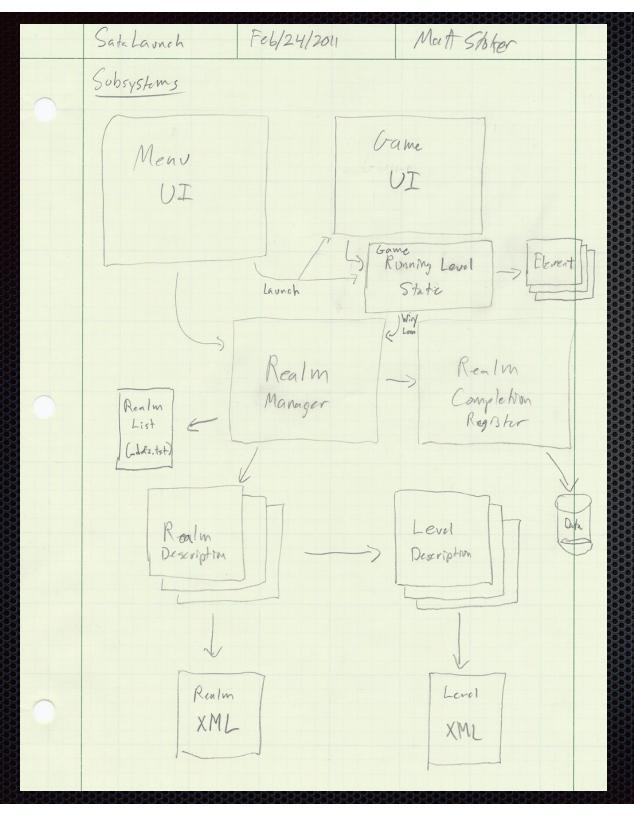
"Perfection is achieved, not when there is nothing more to add, but when there is nothing left to take away."

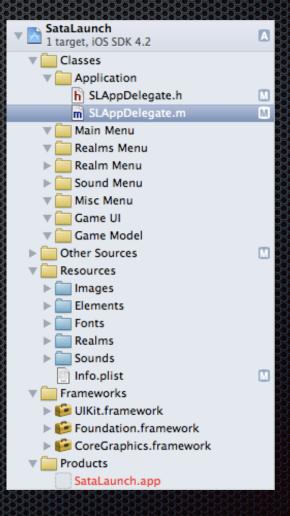
- Antoine de Saint-Exuper



Satalaunch































Final Projects

- A Final Project is:
 - Large (~? Hrs / Person)
 - Real (Meets Actual Need)
 - Complete (Feature-wise)
 - Polished (Store Quality)
 - Valuable (Someone Would Like to Buy It)

- 1 Programmer Examples
 - Photo App with Filters
 - Networked Social App
 - Asteroids with Pickups
 - Battleship (2 iDevices)
 - Simple OpenGL Game

Final Projects



The Iterative Design Process

