

Stanford CS193p

Developing Applications for iOS

Spring 2023

Lecture 1



CS193p
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Welcome

👁 What is this course about?

Developing applications for iOS (iPhone and iPad mostly, but applicable to Apple Watch/TV too).
Using SwiftUI (which shipped for the first time a few months ago in iOS 13!).
(If you want to learn UIKit (Swift or Objective-C), see previous CS193p iterations on YouTube.)

👁 What will I learn?

Some things will be familiar to you (OOP, C-like programming language, etc.)

But a number of things will likely be very new to some of you ...

Swift Programming Language

Functional Programming

“Reactive” User-Interface Development Paradigm (including MVVM)

Object-Oriented Databases

And this is a great place to experience “real life” applications of numerous CS concepts ...

CHI, API design, Language Design, Animation, Persistence, Networking, Multi-threading, etc.



Welcome

👁️ How does this course work?

Demos (lots and lots)

Lecture Slides (for concepts mostly)

Reading Assignments (to learn Swift; first 3 weeks only)

Programming Assignments (5 or 6 of them in the first 7 weeks)

Final Project (last 3 weeks)

👁️ Let's get started!

We're going to start by building an application together over the first few weeks

Starting right now ...

