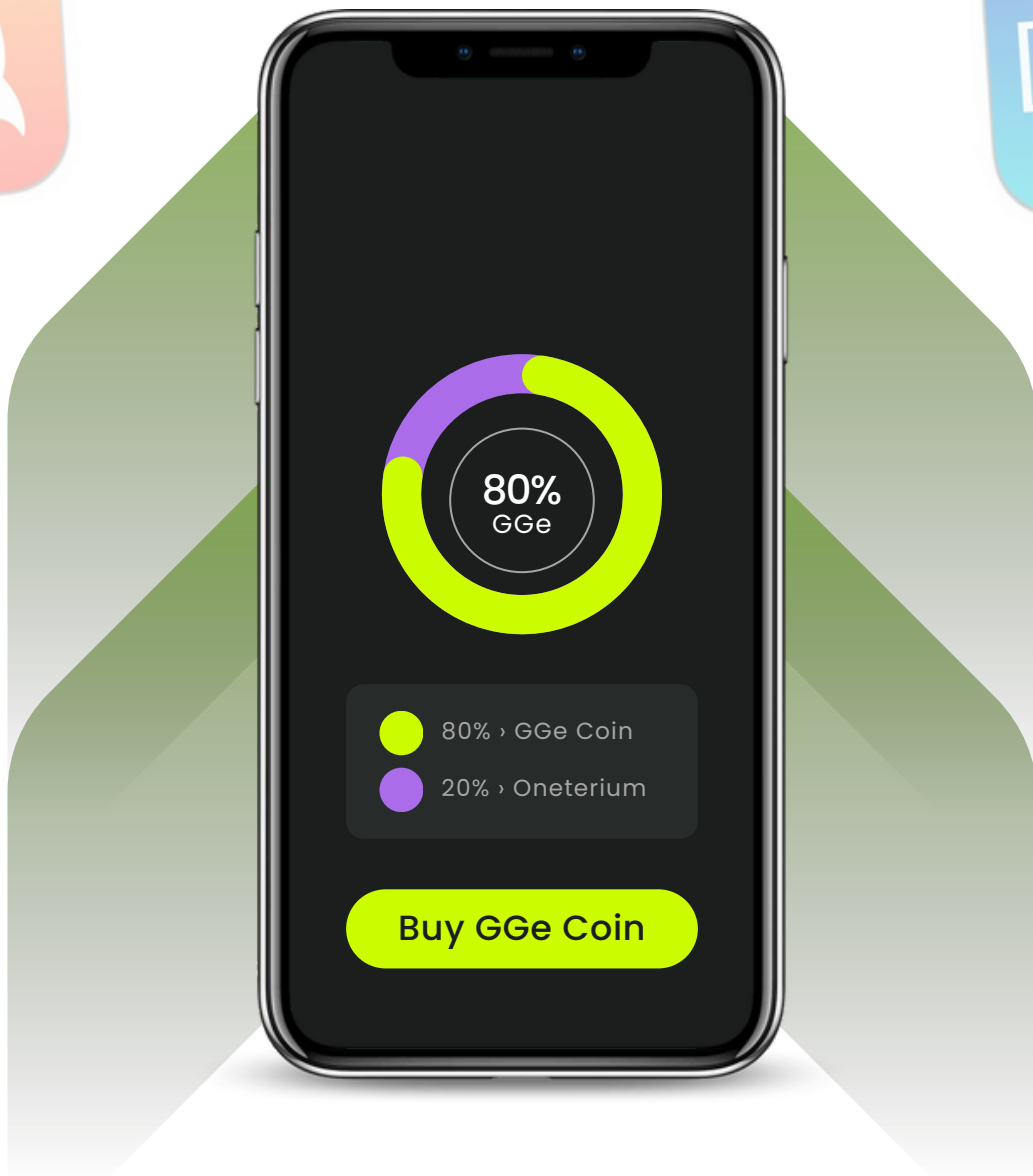




Learn iOS App Development

with Swift & Objective-C





Course Overview

Become a Professional iOS Developer with Swift & Objective-C

iOS powers some of the world's most valuable apps – and companies demand skilled developers. This **iOS App Development Course at SkillUpgrades** teaches you how to build native iOS apps from the ground up using **Swift (modern, fast) and Objective-C (legacy, enterprise)**.

You'll gain hands-on experience working with **Xcode, UIKit, Storyboards, CoreData, APIs, and Apple's development guidelines**. Whether you're a coder transitioning to iOS or an entrepreneur launching your app – this course helps you bring your ideas to life on the App Store.

What You'll Learn

- Swift and Objective-C programming fundamentals
- Using Xcode and Interface Builder
- Designing UI with UIKit and SwiftUI (optional)
- TableViews, Navigation Controllers, Segues



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- Handling gestures, animations, and user interaction
- Managing data with CoreData and UserDefaults
- Making API calls and JSON parsing
- Apple's Human Interface Guidelines and best practices
- App testing, debugging, and performance tuning
- Submitting apps to the Apple App Store

Who Should Enroll

- Developers shifting to iOS app development
- CS/IT students interested in native mobile apps
- Freelancers and app-based startup founders
- Web developers learning native mobile
- Anyone with basic programming knowledge and a Mac setup

Requirements

- Basic programming understanding (any language)



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- A MacBook or access to macOS (required for Xcode)
- iPhone (optional, for physical device testing)
- Internet access and dedication to practice

Course Modules – iOS App Development with Swift & Objective-C

Module 1: Introduction to iOS & Xcode

- Setting up Xcode and iOS simulator
- Understanding the Apple developer ecosystem
- Creating your first “Hello World” app
- Swift vs Objective-C: when and why

Module 2: Swift & Objective-C Programming Basics

- Variables, constants, data types, control flows
- Functions, classes, structs, protocols
- Working with arrays, dictionaries, and closures
- Objective-C syntax, memory management, and bridging with Swift



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Module 3: UI Design with UIKit & Storyboards

- Views, buttons, labels, imageViews
- Autolayout and constraints
- Segues, tab bar, navigation controllers
- Gestures, transitions, and modals

Module 4: Working with Data & APIs

- Form handling and input validation
- Using CoreData and SQLite
- Networking with URLSession
- Parsing JSON data and displaying it with TableView
- Using third-party libraries (e.g., Alamofire, SwiftyJSON)

Module 5: Testing & App Deployment

- Debugging in Xcode
- Unit testing and UI testing basics



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- Preparing app icons, splash screens, metadata
- Apple Developer Account setup
- Publishing to the App Store

Course Highlights

- Dual training in Swift and Objective-C
- Hands-on projects for portfolio and freelancing
- Real-time mentorship & interview support
- Final App Store-ready project
- Certificate of Completion

Thank You



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