Jaipur Engineers
Your One-Stop IT & Staffing Ecosystem

MOBILE DEVELOPMENT

iOS App Development with Swift

Swift • SwiftUI • Xcode • TestFlight



COURSE FEE

₹30,000

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iOS App Development with Swift

Syllabus at a glance

01

Swift foundations

02

Xcode and application structure

03

SwiftUI layouts and navigation

04

Data and concurrency

05

Persistence and testing

06

Signing and distribution

PORTFOLIO PROJECT

Travel Packing List

Build a SwiftUI packing list with persistent records and accessible editing and navigation.

iOS App Development with Swift

Core concepts

01

Swift foundations

Use Swift types, optionals, collections, structures, protocols and error handling.

02

Xcode and application structure

Run a project in the simulator and explore application state and the iOS lifecycle.

03

SwiftUI layouts and navigation

Build reusable views, lists, forms, state and accessible navigation.

TOOLS & TOPICS

Swift • SwiftUI • Xcode • TestFlight

iOS App Development with Swift

Applied skills

04

Data and concurrency

Use async/await with API requests, decode JSON and present failure states.

05

Persistence and testing

Save records and verify editing, accessibility and layout on simulator and device.

06

Signing and distribution

Review signing, build configuration, TestFlight and App Store submission.

TOOLS & TOPICS

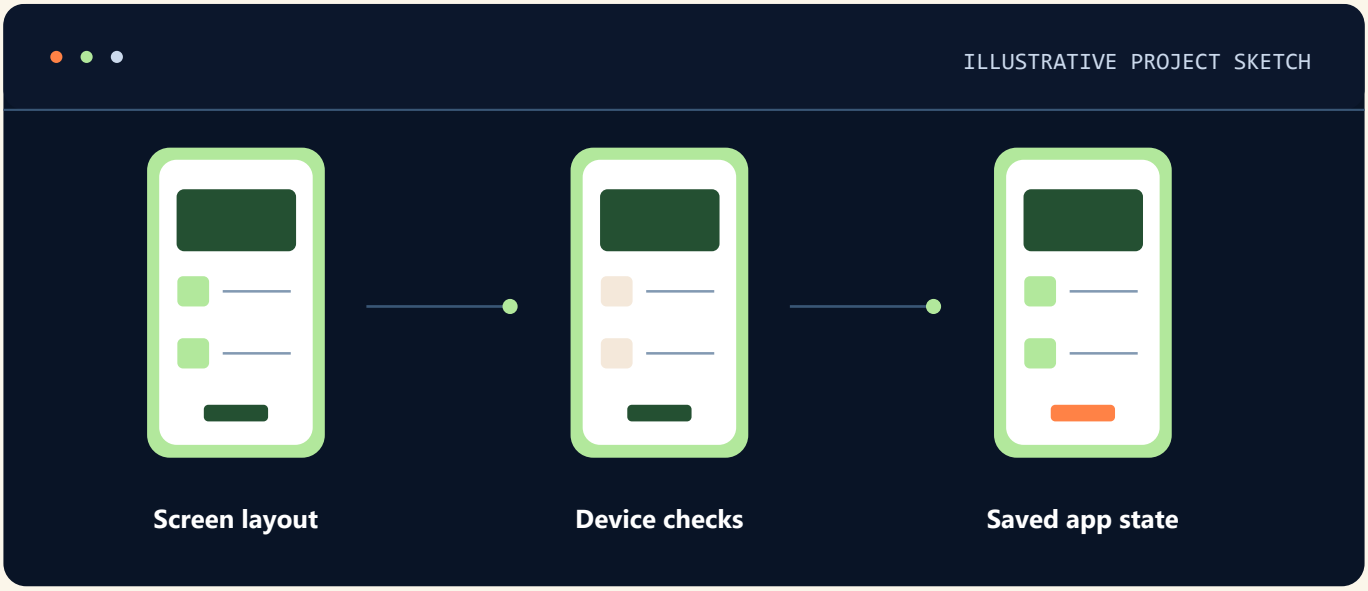
Swift • SwiftUI • Xcode • TestFlight

iOS App Development with Swift

Portfolio project

Travel Packing List

Build a SwiftUI packing list with persistent records and accessible editing and navigation.



Map the screens

Outline the main interaction and the empty or offline state.

Test on a device

Check navigation, layout and data persistence across a restart.

An installable demo or simulator run, screen states and device-testing notes.

iOS App Development with Swift

Project checklist

Use these checks to prepare your project demo or portfolio handoff.

01

Add and edit a packing item

Demonstrate add, edit and completion workflows and check the empty state.

02

Verify persistence

Restart the app and confirm categories and items reload correctly.

03

Prepare a device demo

Test one workflow, capture screenshots and describe the build and release process.

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Course fees

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Contact admissions for current batches, class timings and enrolment details.

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SCAN FOR MAP

View course details online

iOS App Development with Swift

Course content

MODULES 01–02

01 Swift foundations

Lessons & practice

- Swift types and optionals
- Collections, structs and protocols
- Error handling

HANDS-ON Validate packing-list data and handle a missing or blank value.

02 Xcode and application structure

Lessons & practice

- Xcode project and simulator
- Application state and lifecycle
- Debugging views and data

HANDS-ON Run the app in the simulator and diagnose a misplaced UI state.

iOS App Development with Swift

Course content

MODULES 03–04

03 SwiftUI layouts and navigation

Lessons & practice

- SwiftUI views and modifiers
- Lists, forms and navigation
- State and accessible controls

HANDS-ON Build add, edit and completed-item views with accessible labels.

04 Data and concurrency

Lessons & practice

- Async/await and API calls
- JSON decoding
- Loading and error feedback

HANDS-ON Fetch a sample list and show a clear error for an invalid response.

iOS App Development with Swift

Course content

MODULES 05–06

05 Persistence and testing

Lessons & practice

- Local persistence
- Device and simulator tests
- Accessibility and layout checks

HANDS-ON Restart the app and verify destination categories and checklist items persist.

06 Signing and distribution

Lessons & practice

- Signing and build configuration
- TestFlight
- App Store submission preparation

HANDS-ON Assemble a release checklist and a tested device demonstration.