Jaipur Engineers

Your One-Stop IT & Staffing Ecosystem

MOBILE DEVELOPMENT

Kotlin

SAMPLE PROJECT

Study Session Planner



COURSE FEE

Fee on enquiry

JAIPUR, RAJASTHAN

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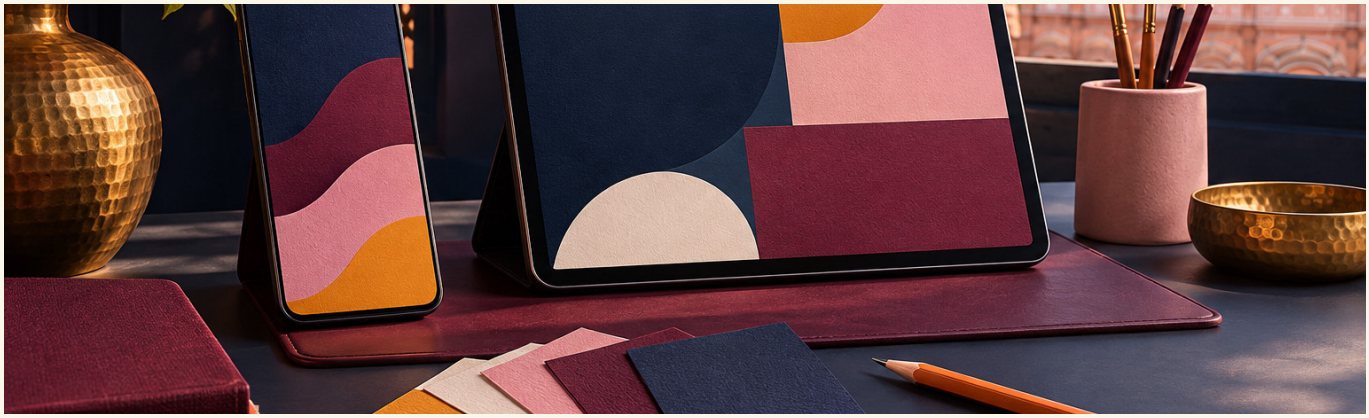
Kotlin

Core concepts



01	Types, null safety, control flow and functions
02	Classes, data classes, interfaces and sealed types
03	Collections, lambda expressions and extensions

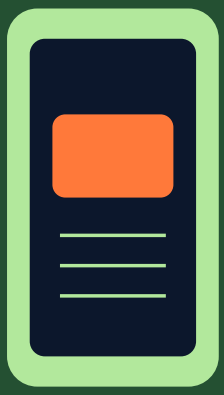
Map the screens

Outline the main interaction and the empty or offline state.

Kotlin

Applied skills

- **Screens**
- **Device test**
- **App state**



04 Generics and idiomatic error handling

05 Coroutines, structured concurrency and Flow basics

06 Unit tests and JVM or Android integration

PROJECT DELIVERABLES

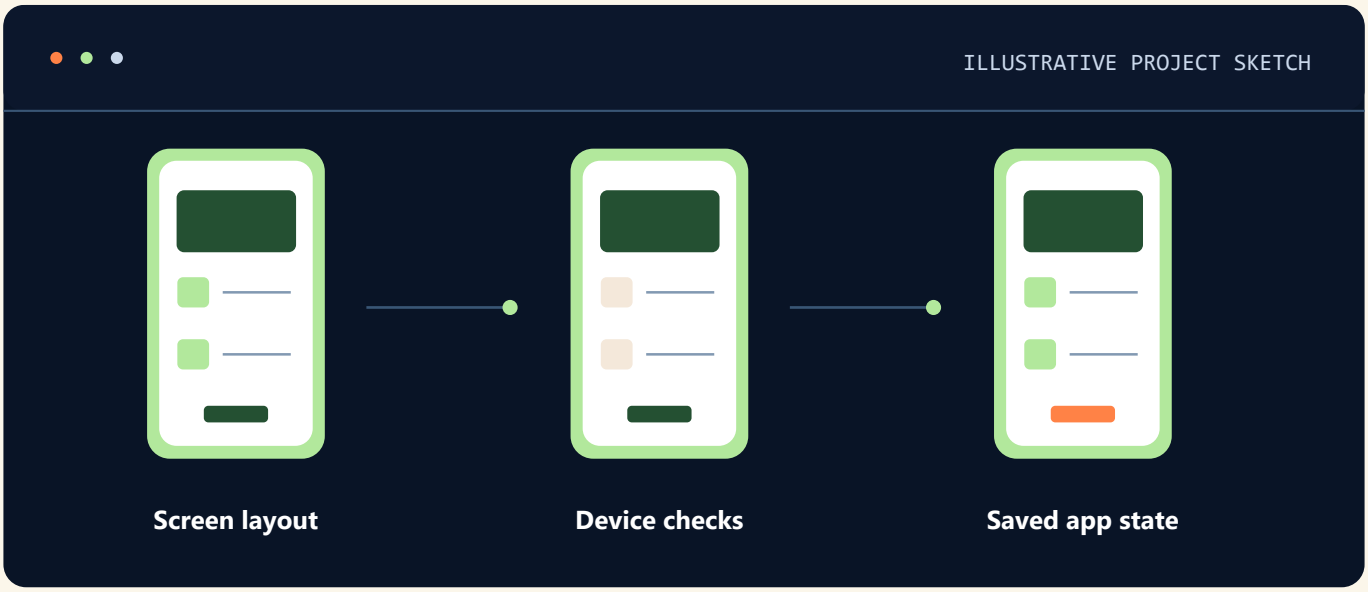
An installable demo or simulator run, screen states and device-testing notes.

Kotlin

Portfolio project

Study Session Planner

Use Kotlin collections, nullable types and coroutines to organise a small study planner.



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.

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Course fees

COURSE FEE

Fee on enquiry

Ask admissions for the course fee, available batches and enrolment details.

ADMISSIONS

+91 70146 92039

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122/228, Indra Path, Thadi Market

Mansarovar, Jaipur, Rajasthan 302020

SCAN FOR MAP

Check course details

Kotlin

Course content

MODULES 01–02

01

Lessons & practice

- Types
- Null safety
- Control flow
- Functions

HANDS-ON

Use null safety and typed functions to validate a sample study plan.

02

Lessons & practice

- Classes
- Data classes
- Interfaces
- Sealed types

HANDS-ON

Model sessions with data classes and represent status with a sealed type.

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Course content

MODULES 03–04

03

Lessons & practice

- Collections
- Lambda expressions
- Extensions

HANDS-ON Use a collection transform and extension to group sessions by day.

04

Lessons & practice

- Generics
- Idiomatic error handling

HANDS-ON Write a typed helper that returns a meaningful failure for invalid inputs.

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Course content

MODULES 05–06

05

Lessons & practice

- Coroutines
- Structured concurrency
- Flow basics

HANDS-ON — Collect a Flow and test cancellation with structured coroutines.

06

Lessons & practice

- Unit tests
- JVM or Android integration

HANDS-ON — Run unit tests and demonstrate Kotlin integration in a JVM or Android example.