Jaipur Engineers

Your One-Stop IT & Staffing Ecosystem

MOBILE APP DEVELOPMENT COURSE

React Native

Build apps for Android and iOS

COURSE FEE

₹8,500

Mansarovar, Jaipur



jaipurengineers.com

+91 70146 92039

What you'll build

Develop a multi-screen mobile app, connect it to real data, and test it on a device.

LEARNING OUTCOMES

Build the interface

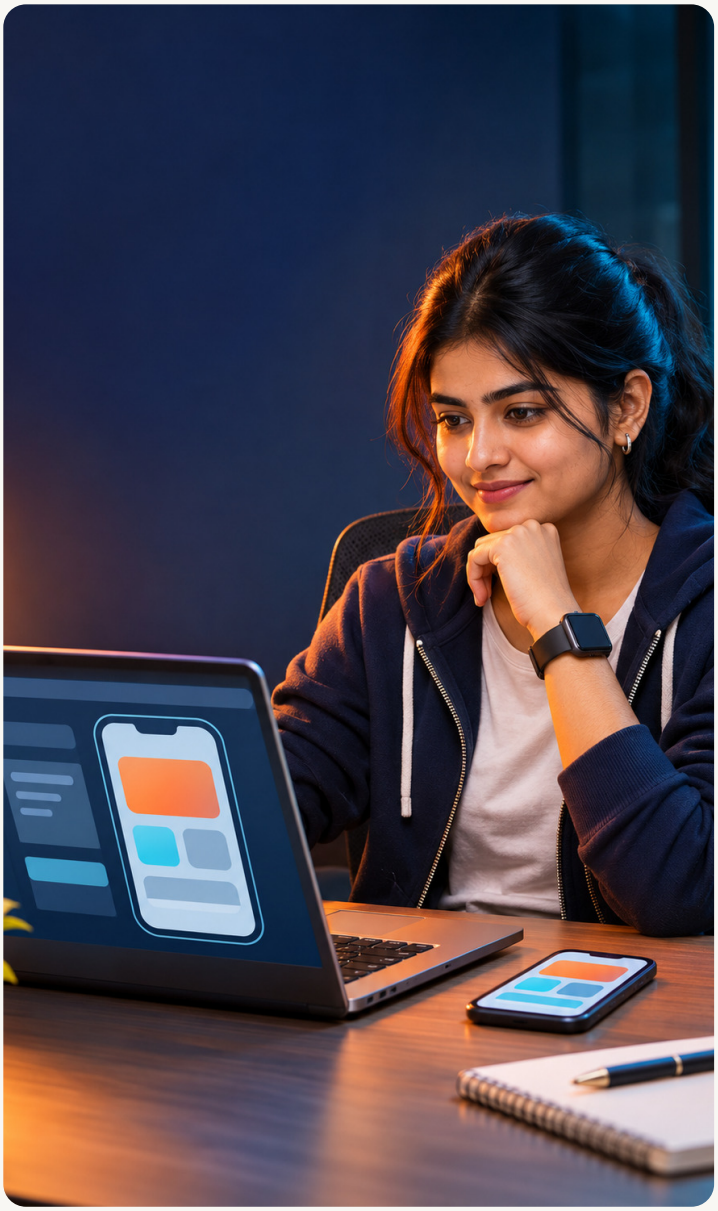
Design reusable screens with layouts that fit different phone sizes.

Connect the data

Fetch records from an API and handle loading, empty and error states.

Test and present your app

Run through the main user journeys and prepare a portfolio demo.



WHO IT'S FOR

Students and web developers moving into mobile. Basic JavaScript is helpful.

HOW YOU'LL PRACTISE

Follow trainer-led examples, complete topic-wise assignments and apply what you learn in a portfolio project.

Set up your first app

Get a React Native project running, then use JavaScript and React to build an interactive screen.

App.jsx

```jsx
import { Text, View } from 'react-native';

export default function App() {
  return <View><Text>My first app</Text></View>;
}
```

Tooling

Node.js and npm, Expo setup, Android Studio emulator and testing on a phone.

JavaScript

ES6+ syntax, arrays, objects, modules, promises and async/await.

React

JSX, props, state, events and hooks including useState and useEffect.

FIRST EXERCISE

Run a screen on a device or emulator, change its content and commit your work with Git.

Design reusable screens

Use React Native components to build layouts, lists and inputs that work across screen sizes.

Core components

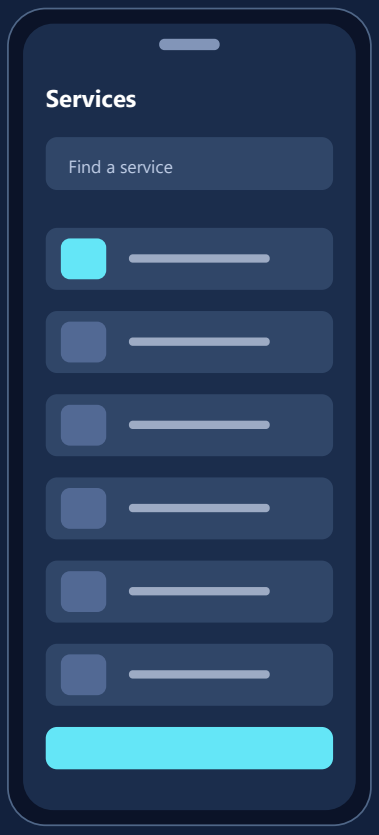
Combine View, Text, Image, Pressable and TextInput.

Styling and layout

Use StyleSheet, Flexbox, spacing and safe-area patterns.

Lists and interactions

Choose between ScrollView and FlatList. Handle taps and input changes.



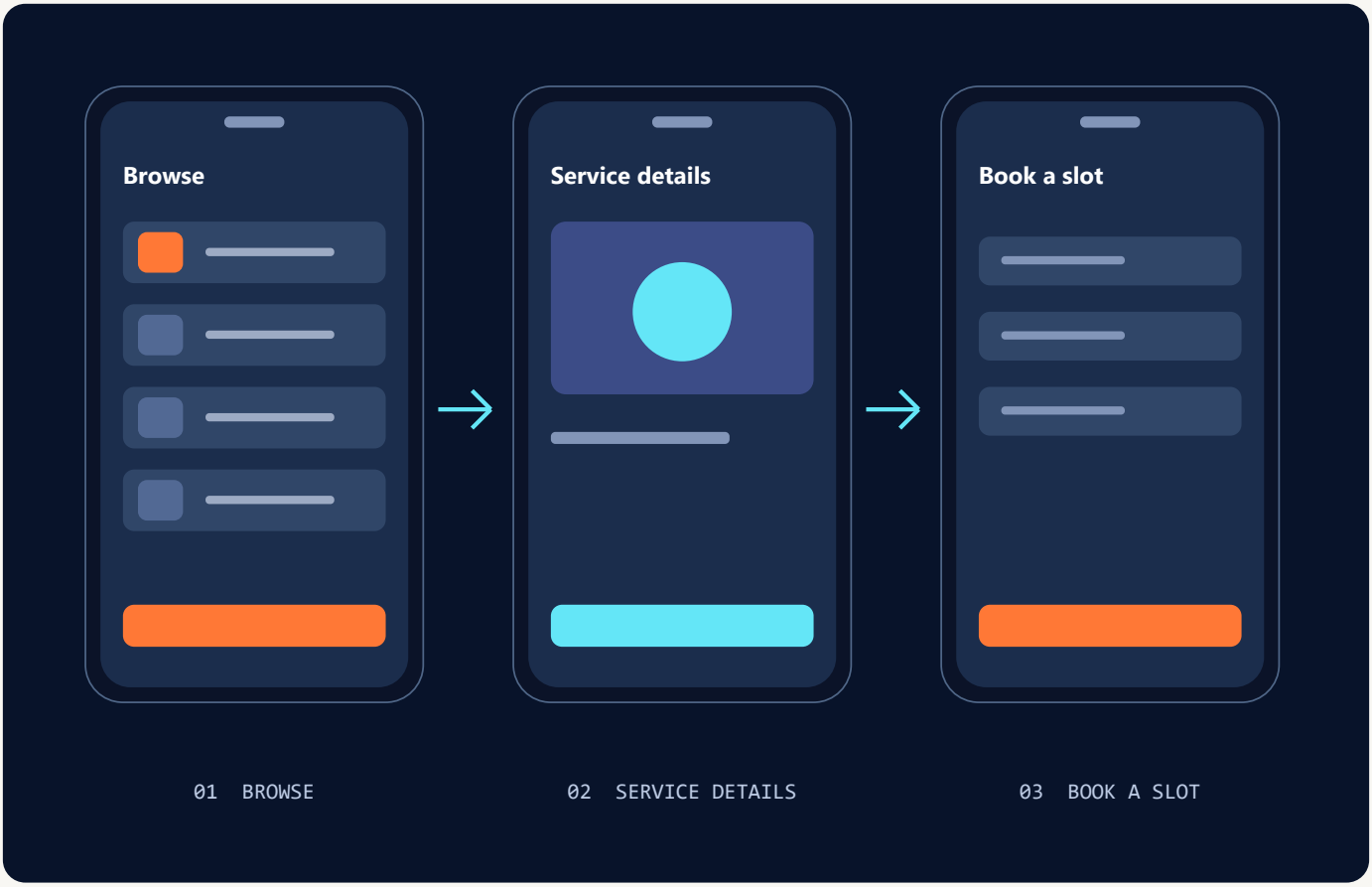
EXAMPLE / SERVICE LIST

UI EXERCISE

Build a service list with reusable cards, a search field and an empty state.

Connect your screens

Build the path from discovering a service to submitting a booking.



React Navigation

Set up stack and tab navigation, pass route parameters and sketch routes that require sign-in.

Forms and validation

Collect user input, show field errors and give users feedback when a booking is submitted.

NAVIGATION EXERCISE

Tap a service in the list, open its detail screen and submit a booking form.

Make the app data-driven

Connect a screen to a backend and control how it responds to network and session changes.

REST API requests

Fetch JSON data, submit forms and handle slow or failed requests.

Shared app state

Start with local React state. Explore Redux Toolkit for shared data and async updates.

Sign-in and sessions

Trace the sign-in flow, protected screens and sign-out. Compare a REST backend with Firebase as an example.



APP, API, AUTH & STORAGE

APP SCREEN → REQUEST → BACKEND → DISPLAY DATA

PRACTICE

Replace sample service listings with API data and show a useful retry message when a request fails.

Handle real-world conditions

Plan for weak connections, denied permissions and sensitive information.

01

Save user preferences

Use local persistence for settings and cached non-sensitive data. Discuss secure storage for session credentials.

TRY IT Save a setting and check that it survives an app restart.

02

Request device access

Use camera or location as examples. Explain the permission and give users a way to continue if they decline.

TRY IT Test the screen with permission granted and denied.

03

Keep lists responsive

Start with FlatList, size images for mobile and check for unnecessary renders while scrolling.

TRY IT Compare scrolling behaviour with sample data on a device.

Prepare a release build

Test the key user journeys and learn what goes into a store submission.

01

Test on devices

Check navigation, forms, network failures and different screen sizes on an emulator or phone.

02

Debug and fix

Use developer tools and logs to isolate problems and compare behaviour after a fix.

03

Package the app

Review preview builds, app signing, version numbers and the Android App Bundle (AAB).

04

Review submission

Prepare the icon, screenshots and a description. Review Google Play and App Store submission workflows.

RELEASE EXERCISE

Write a test checklist, record a resolved bug and list the assets needed for submission.

Build a service booking app

Use one project to practise screen design, navigation, API integration and testing.

Discover services

Browse a searchable list of available services.

Choose a time

View service details and select an available slot.

Confirm the booking

Validate user input and show a clear confirmation or retry state.



ILLUSTRATIVE PROJECT MOCKUP

OTHER PROJECT IDEAS

Expense tracker
Log expenses and filter by category.

Learning app
Browse lessons and track progress.

Product catalogue
Browse products and save favourites.

Portfolio materials include app screenshots, a short demo and a README that explains how to run your project.

Jaipur Engineers
Your One-Stop IT & Staffing Ecosystem

COURSE ENQUIRIES

Ask about the next batch

Speak with Jaipur Engineers about batch timing, class format and what you'll need to get started.

REACT NATIVE COURSE FEE

₹8,500

Android + iOS

CALL OR EMAIL

+91 70146 92039

info@jaipurengineers.com

jaipurengineers.com

VISIT THE TRAINING CENTRE

122/228, Indra Path, Thadi Market
Mansarovar, Jaipur, Rajasthan 302020

SCAN FOR MAP

React Native

Course content

MODULES 01–02

01

Lessons & practice

- JavaScript
- React
- Expo setup

HANDS-ON Run a starter Expo project and inspect key JavaScript and React files.

02

Lessons & practice

- React Native components
- Flexbox
- Responsive styling

HANDS-ON Build components with Flexbox and check layouts at two screen sizes.

React Native

Course content

MODULES 03–04

03

Lessons & practice

- Stack
- Tab navigation
- Forms

HANDS-ON Connect tab and stack routes and validate a booking form.

04

Lessons & practice

- Hooks
- Shared state
- Async workflows

HANDS-ON Store a loading state and handle a failed asynchronous request.

React Native

Course content

MODULES 05–06

05

Lessons & practice

- REST APIs
- JSON
- Lists
- Local storage

HANDS-ON Load sample services from an API and cache a preference locally.

06

Lessons & practice

- Device testing
- Performance
- Release builds

HANDS-ON Test the booking flow on a device and document build and release checks.