Jaipur Engineers

Your One-Stop IT & Staffing Ecosystem

WEB DEVELOPMENT

Angular Frontend Module

Angular • TypeScript • RxJS • HttpClient



ANGULAR FRONTEND MODULE

₹8,500

JAIPUR, RAJASTHAN

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Angular Frontend Module

Syllabus at a glance

01

TypeScript and Angular setup

02

Components and templates

03

Navigation and services

04

Reactive forms

05

RxJS and HttpClient

06

Testing and builds

PORTFOLIO PROJECT

Support Ticket Portal

Build an Angular ticket form and dashboard with client validation and API-backed filters.

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Core concepts

01

TypeScript and Angular setup

Practise types and interfaces. Set up Angular CLI and inspect the project structure.

02

Components and templates

Use standalone components, inputs, outputs, directives and pipes to build screens.

03

Navigation and services

Connect routes and use dependency injection for shared services.

TOOLS & TOPICS

Angular • TypeScript • RxJS • HttpClient

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Applied skills

04

Reactive forms

Validate ticket data, show accessible messages and handle submission states.

05

RxJS and HttpClient

Read and update ticket data, filter results and handle empty, loading and error states.

06

Testing and builds

Test a core component and prepare a production frontend build.

TOOLS & TOPICS

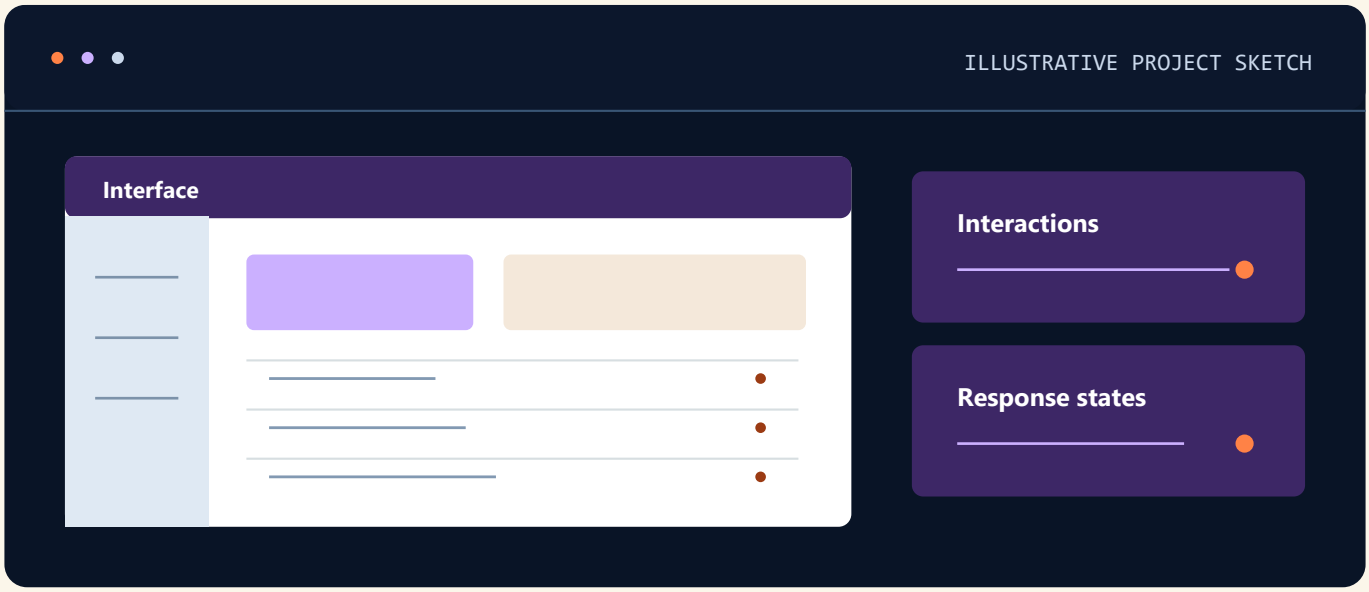
Angular • TypeScript • RxJS • HttpClient

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Portfolio project

Support Ticket Portal

Build an Angular ticket form and dashboard with client validation and API-backed filters.



Sketch the states

Plan normal, loading, empty and error states for the demo.

Test the interface

Check the main workflow and record how it handles an invalid input.

A working demo, test cases and notes on how the interface or service is organised.

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Project checklist

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

01

Connect two screens

Navigate from the list to a ticket detail and open a new ticket form.

02

Validate the request

Cover missing required fields and a backend error response.

03

Show updates

Demonstrate that a newly saved ticket appears in the appropriate filtered list.

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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

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Course content

MODULES 01–02

01 TypeScript and Angular setup

Lessons & practice

- TypeScript types and interfaces
- Angular CLI setup
- Workspace structure

HANDS-ON Run a project and display a typed list of support tickets.

02 Components and templates

Lessons & practice

- Standalone components and imports
- Inputs and outputs
- Binding, directives and pipes

HANDS-ON Create a reusable card with formatted status and dates.

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Course content

MODULES 03–04

03 Navigation and services

Lessons & practice

- Navigation and route parameters
- Dependency injection
- Shared services

HANDS-ON Open a ticket by ID and handle an unknown result.

04 Reactive forms

Lessons & practice

- Reactive form controls
- Built-in and custom validators
- Accessible messages

HANDS-ON Prevent a submission when required fields are empty.

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MODULES 05–06

05 RxJS and HttpClient

Lessons & practice

- RxJS streams and HttpClient
- Filtering and updates
- Loading, empty and error handling

HANDS-ON Fetch and filter tickets and display a useful request failure.

06 Testing and builds

Lessons & practice

- Component tests
- Production build
- Frontend configuration

HANDS-ON Test form validation and build the app with the expected configuration.