Jaipur Engineers

Your One-Stop IT & Staffing Ecosystem

FULL STACK

.NET Full Stack with Angular

Angular • TypeScript • C# • ASP.NET Core • Entity Framework Core



COURSE FEE

₹35,000

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Syllabus at a glance

01

Web and TypeScript foundations

02

Angular frontend

03

C# and .NET

04

ASP.NET Core Web API

05

Entity Framework Core & SQL

06

Integration & delivery

PORTFOLIO PROJECT

Order Management Portal

Build an Angular order dashboard backed by ASP.NET Core APIs and a relational database.

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Core concepts

01

Web and TypeScript foundations

Build responsive layouts and practise TypeScript types, functions and form input.

02

Angular frontend

Use components, routing, services, reactive forms, RxJS and HttpClient.

03

C# and .NET

Apply object-oriented design, collections, LINQ and asynchronous methods on the server.

TOOLS & TOPICS

Angular • TypeScript • C# • ASP.NET Core • Entity Framework Core

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Applied skills

04

ASP.NET Core Web API

Build validated REST endpoints with controllers, dependency injection and middleware.

05

Entity Framework Core & SQL

Model orders and line items, apply migrations and test database queries and transactions.

06

Integration & delivery

Connect Angular to the API, handle errors and permissions, and test and publish the application.

TOOLS & TOPICS

Angular • TypeScript • C# • ASP.NET Core • Entity Framework Core

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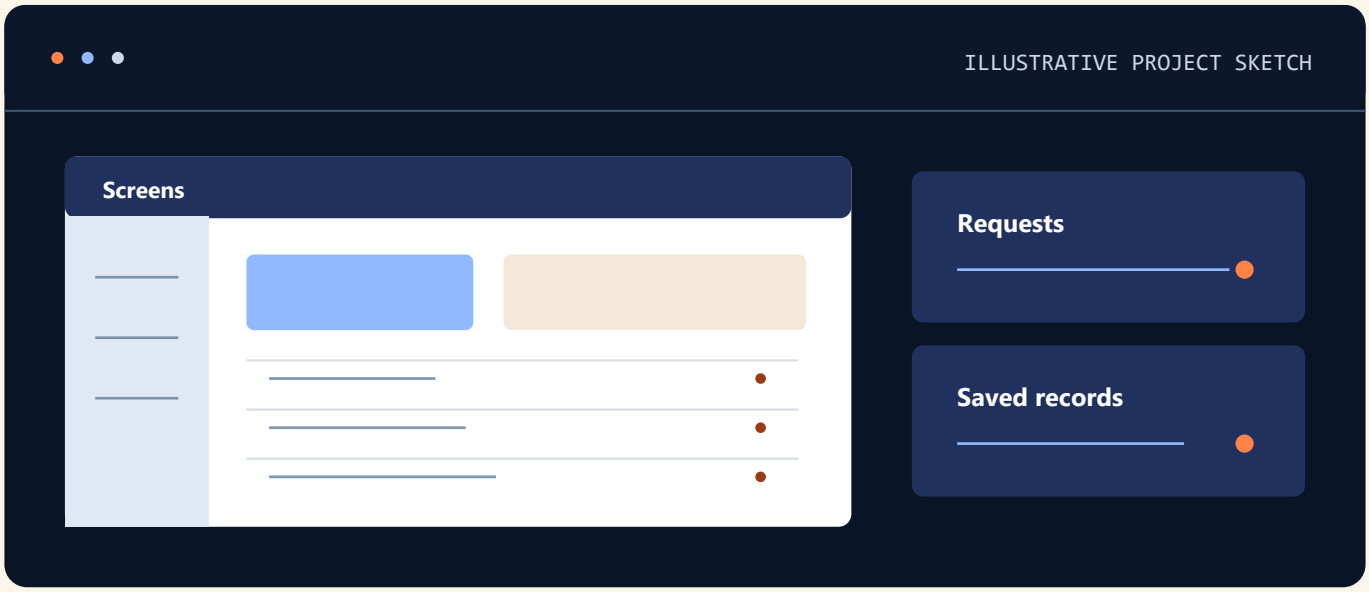
Portfolio project

Order Management Portal

Build an Angular order dashboard backed by ASP.NET Core APIs and a relational database.



Map the request

Trace one user action through the interface, API and data store.

Check the flow

Test a successful request, a validation error and a permission error.

Working screens, an API checklist, a database sketch and setup instructions.

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Project checklist

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

01

Create a valid order

Show the Angular form, the API request, and the saved order and line items.

02

Reject invalid requests

Test missing fields and permissions and confirm the API returns useful errors.

03

Package the demo

Document frontend and backend startup, database migration and sample data.

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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 Web and TypeScript foundations

Lessons & practice

- Responsive HTML and CSS
- TypeScript types and interfaces
- Accessible form controls

HANDS-ON Build an order form that works at narrow widths and with a keyboard.

02 Angular frontend

Lessons & practice

- Angular components and templates
- Routing and services
- Reactive forms, RxJS and HttpClient

HANDS-ON Make an order screen show loading, validation and API error feedback.

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MODULES 03–04

03 C# and .NET

Lessons & practice

- C# classes and interfaces
- LINQ and typed collections
- Async methods and tasks

HANDS-ON Implement an order-total service and test a discount and an empty cart.

04 ASP.NET Core Web API

Lessons & practice

- ASP.NET Core controllers and routes
- Dependency injection and middleware
- DTO validation and HTTP errors

HANDS-ON Build a create-order endpoint that rejects missing fields.

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MODULES 05–06

05 Entity Framework Core & SQL

Lessons & practice

- Entity Framework Core relationships
- Migrations and queries
- Transactions

HANDS-ON Save an order and its items together and reconcile totals from stored data.

06 Integration & delivery

Lessons & practice

- API integration and access rules
- Angular and API testing
- Configuration and publishing

HANDS-ON Trace an order end to end and document how to run both applications.