

Angular Testing and Debugging

Learn how to test and debug Angular applications effectively.

Category: Programming · Duration: 2 days

WHO IT IS FOR

- Front-end developers
- DevOps engineers, SREs and ops teams
- Teams that want hands-on practice on real scenarios

This course provides a comprehensive guide to testing and debugging Angular applications. Participants will learn various techniques to write efficient unit tests and end-to-end tests. They will also gain insights into debugging Angular applications using browser tools and Angular CLI. By the end of the course, participants will have the skills to ensure the quality and reliability of their Angular projects.

Prerequisites

Basic knowledge of Angular and JavaScript programming.

Syllabus

- Introduction to testing in Angular
- Setting up test environments
- Unit testing Angular components
- Testing Angular services
- Mocking HTTP requests in tests
- Testing Angular forms and validations
- Writing end-to-end tests with Protractor
- Implementing test-driven development (TDD)
- Using Jasmine and Karma for testing
- Debugging Angular applications with browser tools
- Debugging Angular applications with Angular CLI
- Continuous integration and testing
- Code coverage and analysis
- Performance testing in Angular
- Testing in different browsers and environments

- Best practices for testing and debugging
- Error handling and logging in Angular
- Front-end testing strategies
- Security testing in Angular applications