Advanced AngularJS

Duration: 2 Days   Course Code: GK2360

Overview:

In this course, you will learn the best practices for building and testing AngularJS application through a thorough understanding of the AngularJS internals. You will discover how to use the rich components of Angular-UI to enhance your application and test drive it with Protractor.
Note: You are required to bring your own laptop.

Target Audience:

Experienced web developers with a minimal of six months AngularJS development who want to: Learn more about the AngularJS ecosystem Understand now development tooling like Gulp can make them more productive Both unit test and end to end test their AngularJS application Learn more about the internals of AngularJS Optimize their productivity while building AngularJS applications

Objectives:

- AngularJS application

- Root scopes, services, factories, providers, filters, and decorators

- AngularJS Patterns

- Building AngularJS applications with NPM and CommonJS

- AngularJS Internals

- End-to-end testing with Protractor

- Angular-UI

Prerequisites:

- Experience with AngularJS, JavaScript, and web technologies

Testing and Certification

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Content:

Day 1

Root scopes, services, factories, providers, filters and decorators

There are many ways functionality and data can be shared between different parts of an

AngularJS application. In this module you will learn about the different options and the

pros and cons of each of them.

AngularJS Patterns

When building AngularJS applications you will be faced with many choices. For example

when to use a service or a factory, where to do validation or when to use the routing

module resolve option versus dependency injection. In this module we will take a closer

look at some of these choices and explore the pros and cons of the different options.

Building AngularJS applications with NPM and CommonJS

Managing dependencies is always a concern with any JavaScript application and

AngularJS is no exception here. The AngularJS dependency injection functionality will

inject dependencies it knows about but will not load them for you. There are different

ways to load these dependencies and using CommonJS with NPM packages is a very

■ elegant and effective way of doing this.

Day 2

AngularJS Internals

Getting started with AngularJS is relatively easy and requires little knowledge of the

AngularJS internals. However when creating larger applications having a good

understanding of the AngularJS internals is important. Without this knowledge it's easy to

do things that might work in small applications but would result in a very slow or hard to

maintain larger application. In this module you will learn more about the internals of

AngularJS and gain more insight into why some things work the way they do.

End 2 End testing with Protractor

Unit testing your code is important but with unit testing it is easy to create lots of units

that all pass their individual tests yet fail to work together. In this module you will learn

how to use Protractor to test your application by driving the browser. Testing the

complete application logic as well as the actual user interface will help you create much

more reliable applications.

Angular-UI

Angular-UI is described as the companion suite to the AngularJS framework. Besides

containing a number of useful lower level utilities Angular-UI also consist of a number of

UI widgets that will greatly enhance your productivity when developing applications with

AngularJS. Another popular part of this suite of tools is the integration between

AngularJS and the popular Bootstrap CSS framework and its UI widgets. In this module

■ we will explore these widgets and see some of their benefits.

Further Information:

For More information, or to book your course, please call us on 00 971 4 446 4987

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