

Angular JS Syllabus

Introduction to AngularJS

MVC Architecture

Conceptual Overview

Setting up the Environment

First Application

Understanding ng attributes

Expressions and Data Binding

Number and String Expressions

Object Binding and Expressions

Working with Arrays

Forgiving Behavior

Understanding Data binding

Working with Directives

Introduction to Core Directives

Conditional Directives

Styles Directives

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Mouse and Keyboard Events Directives

Controllers

Understanding Controllers

Programming Controllers & \$scope object

Adding Behavior to a Scope Object

Passing Parameters to the Methods

Having Array as members in Controller Scope

Nested Controllers and Scope Inheritance

Multiple Controllers and their scopes

Filters

Purpose of Filters

Built-In Filters

Uppercase and Lowercase Filters

Currency and Number Formatting Filters

OrderBy Filter

Creating Custom Filter

Forms

Using Simple Form

Working with Select and Options

Input Validations

Using CSS classes

Form Events

Custom Model update triggers

Custom Validations

Modules

Why Module?

Module Loading and Dependencies

Recommended Setup of Application

Creation vs Retrieval.

Services

Understanding Services

Developing Creating Services

Using a Service

Injecting Dependencies in a Service

Ajax in AngularJS

\$http Service

\$q Service

Ajax Impl using \$http and \$q Service

Routing

Introduction to SPA

Creating HTML Templates

Configuring Route Provider

Using Angular JS and MVC Web API performing CRUD Operations