AngularJS

MODULES

Module 1: Getting Started

1. Introduction to AngularJS
2. How AngularJS Works
3. Hello World Demo
4. What are AngularJS Modules?

Module 2: Angular Controllers

1. What is a Controller?
2. Adding Behaviour
3. What is $scope
4. Multiple Controllers
5. Sharing Data across Controllers

Module 3: Expressions and Filters

1. Expressions
2. Filters
3. Creating a Custom Filter

Module 4: Directives

1. Directives
2. Creating a Custom Directive

Module 5: Routing, View Management, and UI-Router

1. Routing with NgRoute
2. Pretty URLs
3. UI Router

Module 6: Factory, Provider, Services

1. Getting External Data
2. Factory, Provider and Services
3. Next Steps and Final Demo

WCF Services

WCF Overview

1. Need for SOA
2. Why WCF
3. WCF Architecture

WCF Programming Model

1. Service Model
2. WCF Programming Levels

Addresses

1. WCF Addresses
2. Programming WCF Addresses

WCF Contracts

1. Contracts and the relationship with CLR
2. Service Contracts
3. Service Types
4. Data Contracts
5. Message Contracts

Clients

1. Defining Client Bindings and Endpoints

Services

2. Service Types and Contracts
3. Service Endpoints

Deploying WCF

1. Installing WCF Services
2. Upgrading Services

MVC+ADO.NET

INTRODUCTION TO MVC
MVC Architecture
Understand the MVC design pattern and how it's applied in ASP.NET MVC
Understanding Model
Understanding View
Understanding Controller

HTML HELPERS
HTML Helper Methods
Render HTML Form
Using Dropdown List
Binding Html Helper to Model
Using "For" Methods with Typed Model
Creating Views with HTML Helpers

EXPLORING CONTROLLER'S
Exploring Controllers and Controller Base class
Passing data from Controller to View
Comparing View Data, View Bag and Temp Data
Types of Action Methods
Action Method Parameters

MODEL BINDERS
Default model Binder
Complex Type Model Binding
Form Collection
Model Binding
Http Posted File

DESIGNING AND IMPLEMENTING DATABASES WITH SQL SERVER
Introduction to ADO.NET
Creating Tables and Relationships
SQL Fundamentals
Stored Procedures
Insert, Update, Delete, Select commands

USING AJAX AND ANGULARJS WITH ASP.NET MVC
Overview of AJAX and ASP.NET MVC
Overview of Angularjs
Angularjs Techniques
Using Angularjs UI

CREATING AN APPLICATION IN MVC
Creating strongly-typed views
Understanding URLs and action methods
Using HTML helpers
handling form post-backs
Data validation

MVC STATE MANAGEMENT
Using hidden fields
Session and Application State
Custom model bindings