Diving Into ASP.NET WebAPI: Learn REST Services In .Net : A Practical Approach

Synopsis

This book will be to focus on how we can develop basic enterprise level application architecture with Web APIâ ™s.The complete book will be in a way that focuses on less theory and more practical scenarios to understand how RESTful services can be created using an ORM (Object-relational mapping) i.e Entity Framework here. The first chapter in the book is to set up a basic architecture of REST service based application using Asp.net MVC.This chapter explains how to expose pure REST (Representational State Transfer) endpoints of the service that could be consumed by any client which wishes to use REST services. It also explains the implementation of Entity Framework in conjunction with Repository Pattern and Unit of Work also focuses on how to create a generic repository for all the entities that may come up as the application expands, in short it should be quite scalable and extensible.The second chapter in the book talks about loosely coupled architecture. It throws some light on how we can achieve a loosely coupled architecture in Asp.Net WebAPIâ ™s using UnityContainer and Bootstrapper and explaining Dependency injection. The third chapter is about overcoming the flaws of UnityContainer. It explains how we can leverage MEF(Managed Extensibility Framework) to resolve the dependencies at runtime using IOC(Inversion of Control).Unlike other web services, Asp.net WebAPI supports attribute-based routeing techniques.The fourth chapter of the book explains how we can get multiple endpoints of a WebAPI using Attribute Routing and also overcome of the traditional shortcomings of REST based services.Security is always a concern in Enterprise level applications, Chapter 5 of the book explains how one can implement a custom token based authentication technique to make the APIâ ™s more secure.Sixth chapter of the book will explain the implementation of a centralised approach to logging and exception handling with the help of Action Filters and Exception filters. It teaches how to implement nLog in conjunction with Filters.Developing an enterprise level infrastructure without Unit tests is worth not developing it. Chapter 7 and 8 teaches how to leverage nUnit to accomplish this task of Unit Testing in WebAPIs. The chapter in detail describes how to write and execute unit tests for services and controllers.Chapter 9 of the series teaches the newly emerging concept of OData. It teaches on how one can request a service with custom needs and requirements, on how one can implement OData support to WebAPIs.Last but not the least is API hosting. In the last section of the book, the 10th chapter describes WebAPI hosting a self-host application.

Book Information

File Size: 24398 KB

Print Length: 734 pages

Simultaneous Device Usage: Unlimited

Publication Date: April 17, 2016

Sold by:Â Digital Services LLC

Language: English

ASIN: B01EGL87UI

Text-to-Speech: Enabled

X-Ray: Not Enabled

Word Wise: Not Enabled

Lending: Not Enabled

Enhanced Typesetting: Enabled

Best Sellers Rank: #224,175 Paid in Kindle Store (See Top 100 Paid in Kindle Store)   #30

inÂ Books > Computers & Technology > Programming > Web Programming > ASP.NET   #61

inÂ Books > Computers & Technology > Web Development & Design > Web Services   #75

inÂ Books > Computers & Technology > Programming > Microsoft Programming > .NET

Customer Reviews

I thought this was a new book because it says the publication date was April 2016 (I bought it in August 2016). After reading the beginning I discovered that all the examples are using Visual Studio 2010. This may have been a great book in 2010. It is not a great book in 2016.

Download to continue reading...

Diving into ASP.NET WebAPI: Learn REST services in .Net : A Practical Approach ASP.NET: Programming success in a day: Beginners guide to fast, easy and efficient learning of ASP.NET programming (ASP.NET, ASP.NET Programming, ASP.NET ... ADA, Web Programming, Programming) SCUBA: An Introduction To Scuba Diving (diving, shipwrecks, sport diving, pirate ship, dive, snorkeling, underwater photography) Pro ASP.NET Web API Security: Securing ASP.NET Web API (Expert's Voice in .NET) ASP.NET MVC 5: Learn ASP.net MTV 5 Programming FAST and EASY! (From Zero to Professional Book 1) Learn ASP.NET MVC: Be ready for coding away next week using ASP.NET MVC 5 and Visual Studio 2015 VBScript: Programming Success in a Day: Beginner's Guide to Fast, Easy and Efficient Learning of VBScript Programming (VBScript, ADA, ASP.NET, C#, ADA ... ASP.NET Programming, Programming, C++, C) ASP.NET: Programming Success in a Day: Beginners Guide to Fast, Easy and Efficient Learning of ASP.NET Programming Programming ASP.NET AJAX: Build rich, Web 2.0-style UI with ASP.NET AJAX Pro

ASP.NET MVC 5 (Expert's Voice in ASP.Net) ASP.NET Web API 2: Building a REST Service from Start to Finish Learn German Step by Step: German Language Practical Guide for Beginners (Learn German, Learn Spanish, Learn French, Learn Italian) Beginning Web Development, Silverlight, and ASP.NET AJAX: From Novice to Professional (Expert's Voice in .NET) Advanced ASP.NET AJAX Server Controls For .NET Framework 3.5 Beginning ASP.NET 4.5 in C# (Experts Voice in .Net) Pussycats: Why The Rest Keeps Beating The Rest, And What Can Be Done About It Diving Into iOS 9 (iOS App Development for Non-Programmers Book 1) Scientific Diving Techniques: A Practical Guide for the Research Diver XML Programming: Web Applications and Web Services With JSP and ASP Microsoft ASP.NET and AJAX: Architecting Web Applications (Developer Reference)