ASP.NET Core 3 with MVC and MongoDB – Course Preview

What are the unique features this course?

- Uses ASP.NET Core 3 released recently
- Data Access Layer
- Repository Pattern used
- Asynchronous Programming best practices
- MongoDB used as NoSQL database

Section 1: Course Introduction

- This section provides an overview of the entire course
- Details all the sections and highlights

Section 2: Concept of NoSQL database and Comparison with Conventional Relational Databases

- What is a NoSQL Database and why they are needed?
- Comparing NoSQL databases with relational databases

Section 3: Installing MongoDB

- How to install MongoDB on a local machine?

Section 4: Configure MongoDB and Create a Database

- Connect to the MongoDB Server and Start the MongoDB Client
- Create a MongoDB Database and add a Collection
- Querying the MongoDB Database – Part 1
- Querying the MongoDB Database – Part 2
- Couple of Important Points to Remember

Section 5: ASP.NET Core – An Introduction

- What is ASP.NET Core?
- Highlights and Features of ASP.NET Core
- Asynchronous Programming Fundamentals

Section 6: Create an ASP.NET Core 3 MVC Application with MongoDB Database

- Create an ASP.NET Core 3 MVC Application
- Inspect the Project Structure in the Application
- Model-View-Controller Architecture Description

Section 7: Hands-on Building the MVC Application Further till Completion

- Add a Class Library Project for Data Access
- Create a Customer Model
- Create a Customer Context and Repository Based on Interfaces Implementation
- Configure the MongoDB Settings and Register them in the Startup class
- Create the Action Methods for CRUD
- Generate the Views
- Run and Test the Application