At EDUCBA, it is a matter of pride to us to make job oriented hands on courses available to anyone, any time and anywhere.

Learn at a time and place, and pace that is of your choice.

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EDUCBA

ASP.NET Course

Course Overview

It is an amazing collection of practical and hands-on learning of the most updated training programs and projects in the area of ASP.NET Framework.

This training will help you learn about ASP.NET Essentials, ASP.NET MVC, Web Services with ASP.NET, Signal-R, and ADO.NET.

ASP.NET Skills

We learn the following skills:

The number of multiple skills can be mastered on completing this ASP.NET course such as .NET languages, ADO, ASP technologies and its related web application frameworks and also including some third-party integration features.

This ASP.NET course has some set of skills such as .NET technologies frameworks such as Web API, Web Forms, Handlers, Creators etc.

Course Features

Course Duration- 47 + Hours

8 Number of Courses

Verifiable Certificates

Lifetime Access

Technical Excellence

About ASP.NET

ASP.NET is a web application framework for the server-side environment which is an open source software framework.

It is completely written in .NET languages. It is one of the best server-side frameworks in the area of web application server-side development.

Asp.NET can be used to develop web applications by using several tools such as Visual Studio Code, Adobe Dreamweaver, Delphi code, Microsoft SharePoint designer etc

ASP.NET Course

This is a Bundle Course that includes complete in-depth ASP.NET Learning Courses combined into one Complete Course.

This Bundle perfectly meets the requisite of the industry and gives you a better chance of being hired as a ASP.NET professional.

1 ASP.NET Essentials

Section 1. Understanding Configuration

- Asp.NET Deployment
- Asp.NET Configuration
- Asp.NET Recap

Section 2. Understanding Caching

- Asp.NET Web Services
- Asp.NET Multi Threading
- Asp.NET Caching

Section 3. Error Handling & Security

- Asp.NET Security
- Asp.NET Debugging
- Asp.NET Linq
- Asp.NET Error Handling

Section 4. Data Source & Binding

- Asp.NET Data Binding
- Asp.NET Custom User Controls
- Asp.NET Data Binding
- Asp.NET Data Sources

Section 5. Understanding panel and AJAX

- Asp.NET AJAX
- Asp.NET Panel

1 ASP.NET Essentials

Section 6. Asp.NET ADO.NET

- Asp.NET   Multi Views
- Asp.NET   Calendar
- Asp.NET   AdRotator
- Asp.NET   Upload
- Asp.NET   ADO.NET

Section 7. View   State & Validator Controls

- Asp.NET   Database Access
- Asp.NET   Validator
- Asp.NET   View State

Section 8. Event handling & Server Controls

- Asp.NET   Directives
- Asp.NET   Basic Controls
- Asp.NET   Client Side
- Asp.NET   HTML Server Controls
- Asp.NET   Server Controls
- Asp.NET   Server side objects
- Asp.NET   Event Handling

1 ASP.NET Essentials

2 ASP.NET MVC

Section 1. ASP.Net MVC 5

- ASP.Net MVC 5 Introduction

Section 2. Your First application

- Creating MVC5 applications
- Hello World application

Section 3. Controller Fundamentals

- Controller Responsibilities
- Creating a basic controller and the basic routing mechanism
- Action Parameters
- Optional and Compulsory Parameters

Section 4.Model fundamentals

- how to create models and access them from controllers
- create models and access them from controllers
- dependency injection and its use in MVC5
- using unity framework, unit testing

Section 5. URL Routing

- Explains the URL routing mechanism in detail
- static, custom variables and default values
- URL Routing

Section 6. View Fundamentals

- View Fundamentals

2 ASP.NET MVC

Section 7. Filters

- Filters

Section 8. Controllers In Depth

- Controllers In Depth

Section 9. Views In Depth

- Views In Depth

Section 10. Areas

- Areas

Section 11. Ajax

- Ajax

3 | ASP.NET Web API

Section 1. Introduction

- Introduction
- What is Web API History, Pre-requisite

Section 2. Web API Architecture

- Understanding of Http and Rest
- Web API Architecture
- Web API Architecture and Its Features

Section 3. Hello World application

- Hello World

Section 4. Routing

- Understanding URL patterns
- Providing defaults in routes
- Registering new routes
- Optional Parameters

Section 5. Controllers and Actions

- Controllers and Actions

Section 6. Message Handlers

- Message Handlers

Section 5. Filters

- Filters

Section 6. Other Features

- Other Features

4 Web Services with ASP.NET – Creating a Currency Converter

Section 1. Introduction

- Introduction to Web Services

Section 2.Implementing Web Services

- How to Add Web Services to Asp.net
- Web Service Compilation

Section 3. Cosuming Web Service

- Component of Web Service

5 Signal-R in Asp.Net – Developing Professional Chat Application like WhatsApp Web

Section 1. Course Highlights and Understanding Application

- Fundamental of SignalR
- Architecture of Chat Application

Section 2. Database Design

- ER Diagram of Chat Application
- Database Connection in SQL 2014

Section 3. Project Architecture Setup

- Setup the Infra Structure of Web Application
- Creating Different Classes
- Creating a Repository

Section 4. Create Generic Repository

- Create Generic Repository
- Creating Member Repository Classes
- Using the Truncate Method

Section 5. Prepare Full Repository

- Method of Repository Classes
- Example of Method of Repository Classes
- Creating an Entity in Repository Classes
- Create Profile Pic and Group Id
- Adding Group Member
- Group Member Repository Example
- Change Profile Pics and Group Id Example
- Message Repository
- Message Entity Repository

Section 6. WCF Service

- Window Communication Foundation (WCF) Service
- Advantages and Disadvantages WCF

Section 7. Configure WCF Service

- How to Create WCF Service
- Example of WCF Services
- Rest Full WCF Services of Chat Application

Section 8. Implementing WCF Service Contract Class

- Using Scope Modifier of the Service Contract
- Creating Member Repository

5

Signal-R in Asp.Net – Developing Professional Chat Application like WhatsApp Web

Section 9. Design Front End and SignalR Hub

- Member   Repository and Friends Response Class

- Whatsapp   Web Code

- Map   SignalR

- Design   Login Page

- Service   Hosting Environment

- Creating   a Form Data

- Login   Function Json

Section 10. Create Sign Up Functionality

- Sign Up   Functionality

- Creating   New Account

- Alter   Box in the Singn up Functionality

Section 11. Starting   With Chat Screen Design and Development

- Logged   member Details

- Account   Header

- Template   Text

- Bind   Group Function

- Undefined   Functions

- Invoke   Service Method

- Long   Polling Function

- Thumbler   Handling

- Configuration   Manager

5 Signal-R in Asp.Net – Developing Professional Chat Application like WhatsApp Web

Section 12. Chat Screen Design and Development

- Chat Screen Design
- Chat Screen
- Chat Application
- Adding Chat Bubble in Chat Application
- Chat Bubbles
- Storing SignalR Connection in Database
- Send Received the Message
- Change font of Chat Bubbles
- Display the Message
- Adding Status Indicator to Chat Application
- Creating Stretch in Chat Application
- Create Post Method to Get Old Conversation
- Get Profile Pics
- Time Ago Java Script Function

Section 13. Action Icon Implementation

- Friend Request Module
- Action Icon Implementation
- Adding a Close Button to Overlay Method
- Invoke the Friend Request
- Creating Accept and Reject Button
- Click Event on Accept and Reject Button
- Friend Request Popup
- Modify Callback Function
- Update and Cancel In Edit Profile
- Place Holder in Edit Profile
- Profile Password Management
- Create Another WCF Service
- Upload File Method
- Working on Media Uploaded
- Profile Pic Management

6 Signal-R in Asp.Net – Developing Professional Chat Application like WhatsApp Web (Part - 2)

Section 1. Working With Group Chat Module

- Group   Module Designing
- Manage   Chat Groups
- Group   Profile Pic
- Binding   the Group Event
- Creating   Group Elements
- Group   Member Function
- Toggle   Selection Mode
- Load   Group Profile Function
- Group   Member View Function
- Adding   Group Chat Hub
- Create   New Group
- Creating   Group Member Connection

Section 2. Configure   Group Communication

- Prev Tab   Function
- Chat App   Hub Methods
- Receiver   Connection Condition
- Chat   User Icon
- Creating   Member List Object
- Uploading   Group Profile Pics
- Multiple   Hub Classes
- Edit   Action Method to Group

Section 3. Working   With Group Members

- Make   Admin and Remove Button
- Remove   Admin Button
- Member   Count Function
- Adding   Member in Group

Section 4. Working   With Media Messages

- Uploading   Media Item Using Signal R
- Uploading   Photo and Audio File
- Displaying   Photo in Chat Application
- Displaying   Audio File in Chat Application

Section 5. Fixing   Small Things

- Fixing   Small things in Chat Application
- Get Old   Conversation Function
- Adding   Unfriend Function
- Modify   the Unfriend Function

6 Signal-R in Asp.Net – Developing Professional Chat Application like WhatsApp Web (Part - 2)

Section 6. Strongly Typed Hub and Hub Authorization

- Strongly Typed Hub
- Hub Authorization
- Implementing the Authorization Hub
- Authorize Connection
- Authorized Hub Method Invocation
- Creating Generic Indentity and Principal
- Custom Hub Connection using Methods
- Broadcast Chat App Message

Section 7. SignalR Users and Hub Pipeline Module

- SignalR User Test Method
- User id Provider Configuration
- SignalR Hub Pipeline Module

Section 8. Disable Proxy Generation

- Disable Proxy Generation
- Send and Received Function from Server

Section 9. Scale Out Using SQL

- Scaling Out With Signal R
- Example of Scaling Out With Signal R
- Creating Database of Scale Out

7 Introduction of Ado.Net in C# Windows Application

Section 1. Introduction

- Introduction of Ado.Net in C# Windows Application

Section 2. ADO.NET Objects and Fetching Data

- ADO.NET Objects and ADO.Net Providers
- Selecting the Data and Binding with the DataGrid in ADO.Net

Section 3. Web Config

- Accessing Web Config in ADO.Net

Section 4. Example

- Example of Currency Converter
- Currency Demo

Section 5. Example

- Example of Currency Converter
- Currency Demo

Section 6. Command

- Inserting Values
- Inserting Command
- Data Conections

Section 7. Update and Delete

- Inserting Update and Delete

8 ADO.NET

Section 1. Introduction To Ado.Net

- Ado.Net Introduction
- Activex Data Objects
- Ado.Net Architecture
- Understanding Data Table
- What Are .Net Data Providers

Section 2. Practical Examples

- Creating Database In Access
- Practical Example- Student Table
- Practical Example- Student Table Continued
- Example- Adding A New Form
- Example- Update Form
- Example- Variables
- Example- View Records & Data Grids

Section 3. More On Ado.Net

- Ado.Net Data Providers
- Data Adapter
- Populating A Dataset Using Data Adapter
- Types Of Binding
- Customizing Views Of A Data Table
- Datarow View
- Practical Examples On Ado.Net
- Additional Examples On Ado.Net

Frequently Asked Questions

Why should I do this ASP.NET course?

Any Web development professional who is interested and willing to learn .NET framework or pursue a great career as ASP.NET developer should pursue this ASP.NET course in order to master the concepts of ASP.NET technologies with ease of learning in the shortest possible time on condition that every effort is made to learn this ASP.NET course effectively.

I don't have a background in CS or engineering, can this ASP.NET Course still be considered for a good career?

NO, this cannot be easily mastered without any CS or technical education background. This ASP.NET course needs some initial programming knowledge to proceed with advanced CS concepts.

Would this ASP.NET course add value to my profession?

Yes. Definitely, this ASP.NET certification course will add value to your Computers or Software profession and also some real time experience range course contents.

Customer Reviews

"

This tutorial is great to learn ASP.NET MVC basics. I would recommend this course to anyone who want to learn ASP.MVC and improve and understand the basics. And the other advantage of this course is you can re take the course as many times as you can. The course is explained in such a detail , it explains each and every steps to be performed to the examples working.

Hareesh Yalamanchily

"

I have worked in the Holostik india limited as Software Developer , and this course has given me a amazing experience of what I have learned in the past. I have done much research in finding tutorial that offers New web development courses and found this course perfect to help suit my needs. The course gives proper overview of MVC architecture and has given exact training how we deal or how we work in MVC .

Raunak Deep Srivastava

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ASP.NET Course

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