ASP.net website

Group 8

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Introduction

ASP.NET

ASP.NET is a web application framework developed by Microsoft. It enables developers to build dynamic web pages and applications using web technologies such as HTML, CSS, and JavaScript. ASP.NET includes a range of powerful features and tools that allow developers to build applications quickly and efficiently. These features include security, caching, caching, and state management
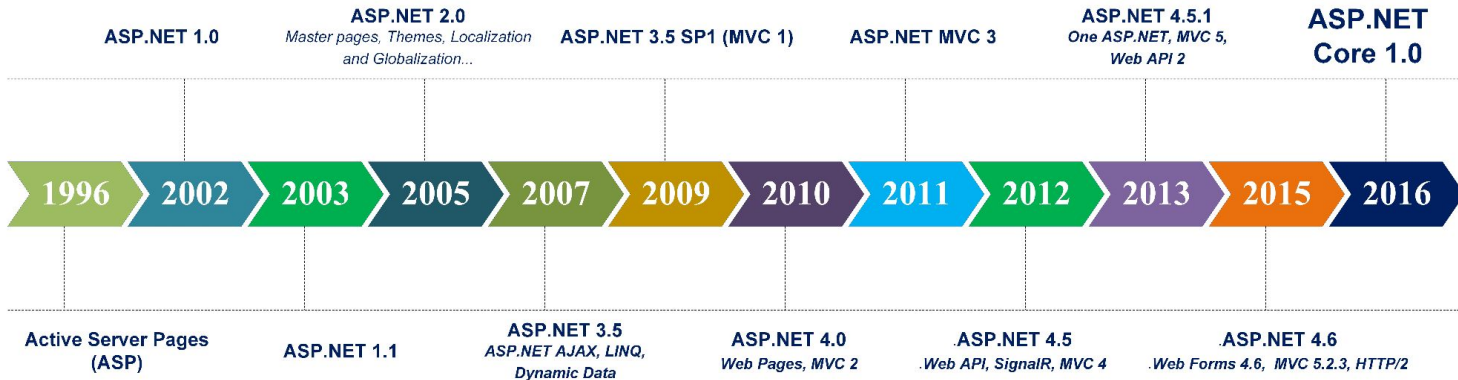
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History

HISTORY

ASP.net is a web application framework that was first released by Microsoft in January 2002. It was designed to be an improved version of its predecessor, ASP (Active Server Pages), which was released in 1996. ASP.net was built on top of the .NET framework and offered various advantages over ASP, such as improved performance, security, and scalability.

The release history of ASP.NET

	ASP.NET 1.0	ASP.NET 2.0 *Master pages, Themes, Localization and Globalization...*		ASP.NET 3.5 SP1 (MVC 1)			ASP.NET MVC 3		ASP.NET 4.5.1 *One ASP.NET, MVC 5, Web API 2*		ASP.NET Core 1.0
1996	**2002**	**2003**	**2005**	**2007**	**2009**	**2010**	**2011**	**2012**	**2013**	**2015**	**2016**
Active Server Pages (ASP)		ASP.NET 1.1		ASP.NET 3.5 *ASP.NET AJAX, LINQ, Dynamic Data*		ASP.NET 4.0 *Web Pages, MVC 2*		.ASP.NET 4.5 *.Web API, SignalR, MVC 4*		.ASP.NET 4.6 *.Web Forms 4.6, MVC 5.2.3, HTTP/2*	

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Type Application

3. Type Application

- Web services
- Windows applications
- Windows services
- Mobile applications
- Class libraries
- Console applications

3. Type Application

All types of .NET applications use one or more .NET compliant languages for their design and development. The .NET Framework includes various technologies, such as ASP.NET, VB.NET, VC++.NET, and ADO.NET.
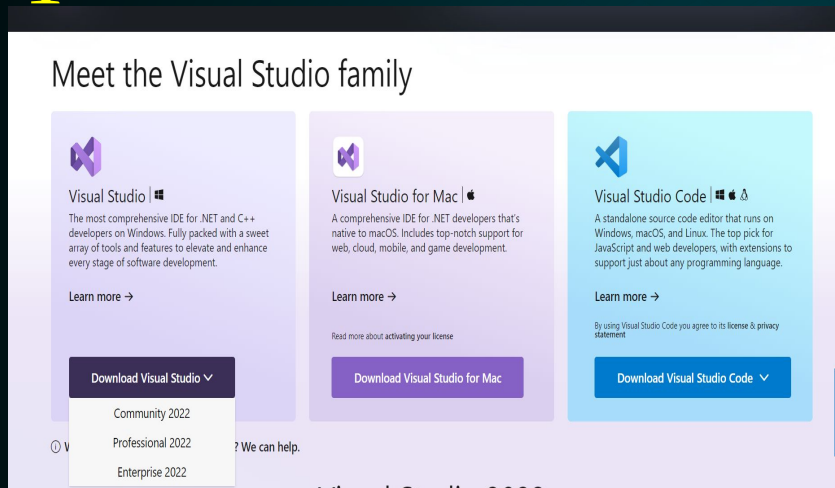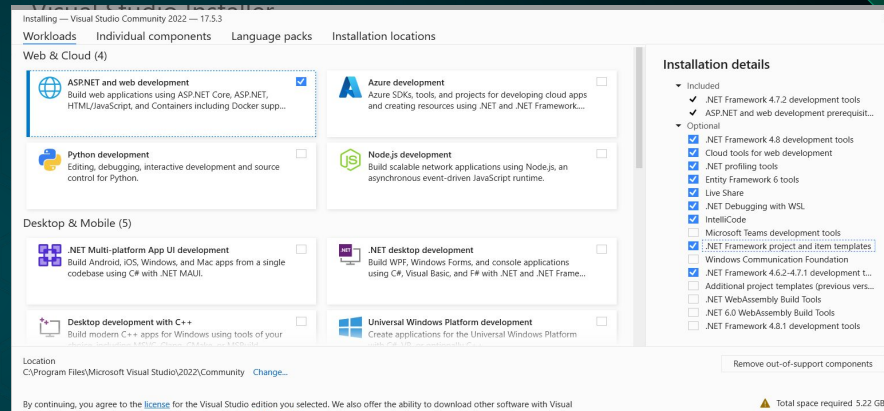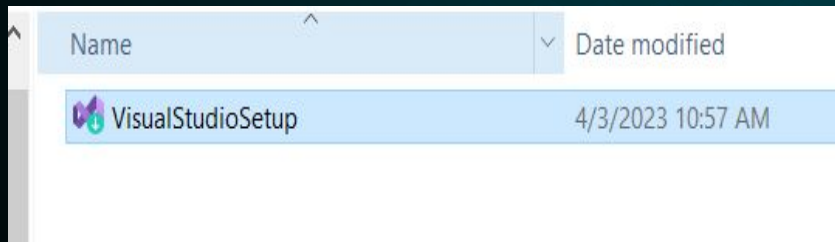
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Installation / Setup Introduction

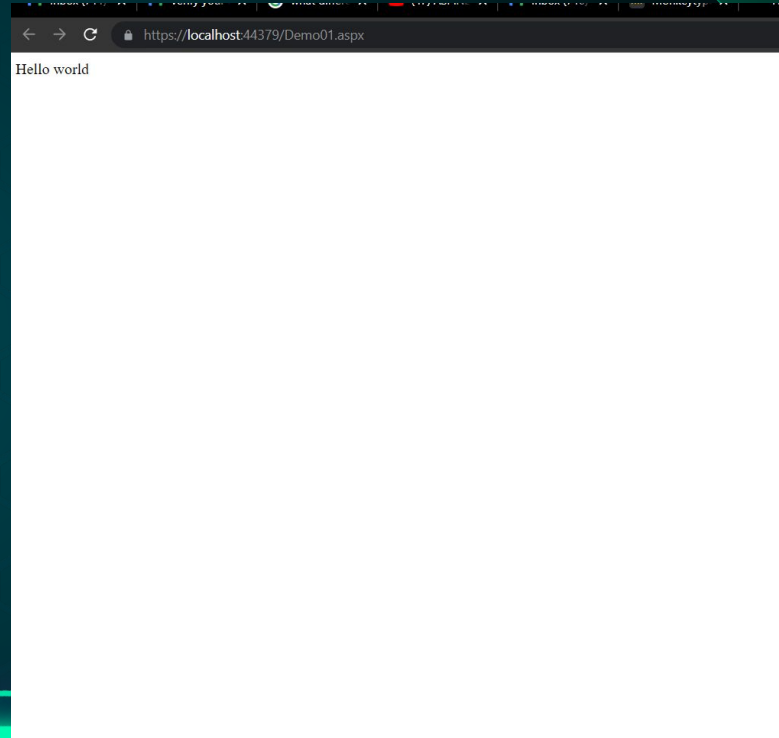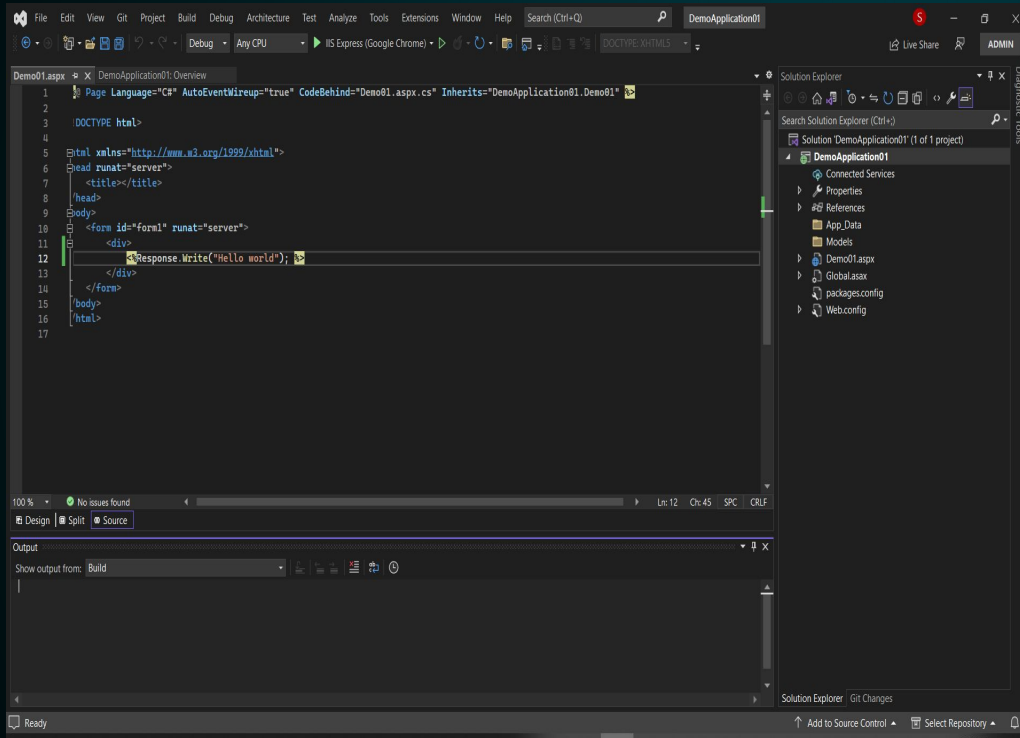# 4. Installation And Setup

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RUN "Hello World"

5.Run "Hello world"

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Challenges

6. Challenge

Here are some of the challenges of ASP.NET:

- **Complexity:** ASP.NET is a complex framework with a lot of moving parts. This can make it difficult to learn and use, especially for beginners.
- **Evolving:** ASP.NET is constantly evolving, so it can be difficult to keep up with the latest changes. This can be a challenge for developers who want to use the latest features, but it also means that ASP.NET is always improving.
- **Choice:** There are a lot of different ways to do things in ASP.NET, so it can be difficult to know which approach is best. This can be a challenge for developers who are new to ASP.NET, but it also means that there is a lot of flexibility in how you can use ASP.NET.
- **Security:** ASP.NET applications can be vulnerable to security attacks. This is a challenge for developers who need to ensure that their applications are secure.
- **Performance:** ASP.NET applications can be slow, especially if they are not properly optimized. This is a challenge for developers who need to ensure that their applications perform well.