

add folder to solution visual studio 2022

Add Folder to Solution Visual Studio 2022: A Comprehensive Guide

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Understanding the Significance of Adding Folders to Your Visual Studio 2022 Solution

Efficient project organization is paramount in software development. A well-structured project is easier to maintain, debug, and collaborate on. Knowing how to effectively manage your project's file structure within Visual Studio 2022 is crucial. This includes understanding how to `add folder to solution visual studio 2022`. While seemingly simple, this action significantly impacts the overall organization and maintainability of your codebase. Improperly organizing your files can lead to confusion, wasted time searching for files, and increased difficulty in collaboration among team members.

The `add folder to solution visual studio 2022` process allows you to logically group related files within your project. This is especially beneficial for larger projects with hundreds or thousands of files. By categorizing files into folders based on their functionality (e.g., models, controllers, views, utilities), you create a clear and intuitive structure that improves readability and reduces cognitive load. This structured approach minimizes errors and speeds up development.

This guide will provide a detailed walkthrough of how to `add folder to solution visual studio 2022`, covering various scenarios and best practices to ensure optimal project organization.

Methods for Adding a Folder to Your Visual Studio 2022 Solution

There are primarily two ways to add a folder to your solution in Visual Studio 2022:

1. Adding a Folder within the Solution Explorer:

This is the most common and straightforward method.

1. Open Solution Explorer: In Visual Studio 2022, locate the Solution Explorer window (usually found on the right-hand side). If it's not visible, go to `View > Solution Explorer`.

1. Locate Your Project: Expand the project to which you want to add the folder.

1. Right-Click and Add: Right-click on the project node (not a file) and select `Add > New Folder`.

1. Name Your Folder: Type the desired name for your new folder and press Enter. Choose descriptive names that reflect the contents of the folder.

This creates a folder within your project's file system, reflected in Solution Explorer. This folder will be included in your project's build process if you add files to it (e.g., code files, images, etc.).

1. Creating a Folder in File Explorer and Adding it to Visual Studio:

This method is useful if you already have a folder structure set up outside of Visual Studio.

1. Create Folder: Create the folder using File Explorer at the desired location on your file system.

1. Add Existing Item: In Solution Explorer, right-click on the project where you want to include the folder and select `Add > Existing Item`.

1. Browse and Select: Navigate to the location of your newly created folder and select it. Click `Add`.

This method adds the folder as a link within Visual Studio. Changes made outside of Visual Studio will reflect in the project, and vice-versa. However, it's crucial to remember that this is a reference, not a copy.

Best Practices for Managing Folders in Your Visual Studio 2022 Solution

Use Descriptive Names: Choose names that clearly indicate the folder's purpose.

Maintain a Consistent Structure: Adhere to a logical and consistent folder structure throughout your projects for better organization and maintainability.

Avoid Nested Folders (when possible): Too many nested folders can make navigation cumbersome. Strive for a flat or shallow structure whenever feasible.

Regular Cleanup: Regularly review your folder structure and remove any unnecessary folders to maintain a clean and organized workspace.

Version Control: Always use a version control system (like Git) to track changes to your folder structure and files. This is crucial for collaborative projects.

Conclusion

Effectively managing your project's file structure by knowing how to `add folder to solution visual studio 2022` is essential for successful software development. Choosing the appropriate method and adhering to best practices significantly improves project organization, maintainability, and team collaboration. This guide provides a foundational understanding of the process and encourages developers to adopt efficient organizational strategies.

FAQs

1. Can I delete a folder from Visual Studio 2022? Yes, you can delete a folder directly

from Solution Explorer by right-clicking and selecting `Delete`. Remember this will also delete the folder and its contents from your file system.

1. What happens if I delete a folder that contains code files? Deleting a folder containing code files will remove those files from your project and, if committed to version control, from your repository.
1. Can I rename a folder within Visual Studio 2022? Yes, you can rename a folder by right-clicking on it in Solution Explorer and selecting `Rename`.
1. What is the difference between adding a folder and adding an existing item? Adding a folder creates a new folder within your project's structure. Adding an existing item adds a pre-existing file or folder to your project, possibly as a link.
1. Can I add folders to different projects within the same solution? Yes, you can add folders to multiple projects within a single solution, allowing for better organization of your entire solution.
1. How do I move a folder within my Visual Studio 2022 solution? You can move folders by dragging and dropping them within Solution Explorer. This also updates the file system.
1. What if I accidentally delete a folder? Use version control (like Git) to restore the deleted folder and its contents.
1. Are there any performance implications of having many folders in a solution? While a very large number of folders might have a slight impact on load times, the performance effect is generally negligible for typical project sizes.
1. Can I add a folder that is on a network share? Yes, you can add folders from network

shares, but ensure appropriate network access and permissions are configured.

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add folder to solution visual studio 2022: ASP.NET Core Razor Pages in Action Mike Brind, 2022-12-27 Razor Pages lets you build, configure, and deploy amazing dynamic ASP.NET websites with ease. In ASP.NET Core Razor Pages in Action you will learn: Building, configuring, and publishing a data-driven website Creating a complete web application step-by-step Forms for collecting and processing user data Connecting to databases from a Razor Page Protecting areas of a Razor Page from unauthorized access with ASP.NET Identity Using Object Relational Mapping tools to work with data in Razor Pages applications Generating CRUD pages using scaffolding gestures Generating and sending email from your web application ASP.NET Core Razor Pages in Action teaches you to develop dynamic websites using the powerful Razor Pages framework, .NET 6, and ASP.NET. Razor Pages generates HTML on the server, and is the perfect choice for eCommerce sites, intranet services, content management systems, and other apps that require reliability. In this book, you'll use Razor Pages to build a complete application for booking city breaks, learning to iterate amazing new features chapter-by-chapter. You'll even learn how to enhance your web applications with the huge ecosystem of C# libraries, and how to locate the perfect tool for your task using centralized repositories. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the technology Simplify ASP.NET web development with Razor Pages! Razor Pages provides a cohesive page-based organization layer for application components like routes and actions. It's page-centric approach means you spend less dev time switching between the controller, model, and view files, as compared to a traditional MVC approach. About the book ASP.NET Core Razor Pages in Action teaches you how to use Razor Pages to code and scale dynamic ASP.NET Core websites. You'll learn a new feature in every chapter as you build an interesting vacation-booking application. As your app grows, you'll be amazed how Razor Pages accelerates essential tasks like form creation, data processing, testing, and deployment. What's inside Securing your applications from unauthorized access Using object-relational mapping tools to work with data Generating and sending email from a web application Enhance your web apps with C# libraries About the reader For web developers familiar with C# programming. About the author Mike Brind is an 11-time recipient of the Microsoft Most Valuable Professional (MVP) award for ASP.NET. Table of Contents 1 Getting started with Razor Pages 2 Building your first application 3 Working with Razor Pages 4 Matching URLs to Razor Pages with routing 5 Working with forms:

Model binding 6 Working with forms: Tag helpers 7 Using dependency injection to manage services 8 Working with data 9 Managing users with authentication 10 Controlling access with authorization 11 Client-side technologies and AJAX 12 Troubleshooting your application 13 Protecting your application against external attacks 14 Configuring and publishing your application

add folder to solution visual studio 2022: C++20 for Programmers Paul Deitel, Harvey Deitel, 2022-03-31 The professional programmer's Deitel® guide to C++20 Written for programmers with a background in another high-level language, in this book, you'll learn Modern C++ development hands on using C++20 and its Big Four features--Ranges, Concepts, Modules and Coroutines. (For more details, see the Preface, and the table of contents diagram inside the front cover.) In the context of 200+, hands-on, real-world code examples, you'll quickly master Modern C++ coding idioms using popular compilers--Visual C++®, GNU® g++, Apple® Xcode® and LLVM®/Clang. After the C++ fundamentals quick start, you'll move on to C++ standard library containers array and vector; functional-style programming with C++20 Ranges and Views; strings, files and regular expressions; object-oriented programming with classes, inheritance, runtime polymorphism and static polymorphism; operator overloading, copy/move semantics, RAI and smart pointers; exceptions and a look forward to C++23 Contracts; standard library containers, iterators and algorithms; templates, C++20 Concepts and metaprogramming; C++20 Modules and large-scale development; and concurrency, parallelism, the C++17 and C++20 parallel standard library algorithms and C++20 Coroutines. Features Rich coverage of C++20's Big Four: Ranges, Concepts, Modules and Coroutines Objects-Natural Approach: Use standard libraries and open-source libraries to build significant applications with minimal code Hundreds of real-world, live-code examples Modern C++: C++20, 17, 14, 11 and a look to C++23 Compilers: Visual C++®, GNU® g++, Apple Xcode® Clang, LLVM®/Clang Docker: GNU® GCC, LLVM®/Clang Fundamentals: Control statements, functions, strings, references, pointers, files, exceptions Object-oriented programming: Classes, objects, inheritance, runtime and static polymorphism, operator overloading, copy/move semantics, RAI, smart pointers Functional-style programming: C++20 Ranges and Views, lambda expressions Generic programming: Templates, C++20 Concepts and metaprogramming C++20 Modules: Large-Scale Development Concurrent programming: Concurrency, multithreading, parallel algorithms, C++20 Coroutines, coroutines support libraries, C++23 executors Future: A look forward to Contracts, range-based parallel algorithms, standard library coroutine support and more C++20 for Programmers builds up an intuition for modern C++ that every programmer should have in the current software engineering ecosystem. The unique and brilliant ordering in which the Deitels present the material jibes much more naturally with the demands of modern, production-grade programming environments. I strongly recommend this book for anyone who needs to get up to speed on C++, particularly in professional programming environments where the idioms and patterns of modern C++ can be indecipherable without the carefully crafted guidance that this book provides. --Dr. Daisy Hollman, ISO C++ Standards Committee Member This is a fine book that covers a surprising amount of the very large language that is C++20. An in-depth treatment of C++ for a reader familiar with how things work in other programming languages. --Arthur O'Dwyer, C++ trainer, Chair of CppCon's Back to Basics track, author of several accepted C++17/20/23 proposals and the book Mastering the C++17 STL Forget about callback functions, bare pointers and proprietary multithreading libraries--C++20 is about standard concurrency features, generic lambda expressions, metaprogramming, tighter type-safety and the long-awaited concepts, which are all demonstrated in this book. Functional programming is explained clearly with plenty of illustrative code listings. The excellent chapter, 'Parallel Algorithms and Concurrency: A High-Level View,' is a highlight of this book. --Danny Kalev, Ph.D. and Certified System Analyst and Software Engineer, Former ISO C++ Standards Committee Member Register your book for convenient access to downloads, updates, and/or corrections as they become available. See inside book for details. Note: eBooks are 4-color and print books are black and white.

add folder to solution visual studio 2022: Microservices Communication in .NET Using gRPC Fiodar Sazanavets, 2022-02-11 Learn how to implement gRPC on the .NET platform step by step and

cover how to use gRPC on .NET, including fundamentals, use cases, and best practices

Key Features Explore all aspects of gRPC implementation on .NET, from the most basic features to advanced ones Discover best practices for using gRPC to make sure that your applications are as efficient and as scalable as possible Identify when gRPC is the best tool for the job and when it isn't

Book Description Explore gRPC's capabilities for faster communication between your microservices using the HTTP/2 protocol in this practical guide that shows you how to implement gRPC on the .NET platform. gRPC is one of the most efficient protocols for communication between microservices that is also relatively easy to implement. However, its official documentation is often fragmented and .NET developers might find it difficult to recognize the best way to map between C# data types and fields in gRPC messages. This book will address these concerns and much more. Starting with the fundamentals of gRPC, you'll discover how to use it inside .NET apps. You'll explore best practices for performance and focus on scaling a gRPC app. Once you're familiar with the inner workings of the different call types that gRPC supports, you'll advance to learning how to secure your gRPC endpoints by applying authentication and authorization. With detailed explanations, this gRPC .NET book will show you how the Protobuf protocol allows you to send messages efficiently by including only the necessary data. You'll never get confused again while translating between C# data types and the ones available in Protobuf. By the end of the book, you'll have gained practical gRPC knowledge and be able to use it in .NET apps to enable direct communication between microservices. What you will learn

Get to grips with the fundamentals of gRPC and Protobuf Debug gRPC components inside a .NET application to locate and fix errors Understand gRPC best practices, such as performance enhancement Effectively translate between gRPC and native C# code by applying well-known types Secure gRPC communication inside a .NET application Discover how to monitor gRPC on .NET by applying logging and metrics

Who this book is for This book is for .NET developers who are working with microservices and are looking for efficient solutions to facilitate communication between services using gRPC. Anyone who is familiar with microservices architecture and has knowledge of the fundamentals of .NET Core, but not necessarily of gRPC, will also find this book useful.

add folder to solution visual studio 2022: Enterprise Application Development with C# 10 and .NET 6 Ravindra Akella, Arun Kumar Tamirisa, Suneel Kumar Kunani, Bhupesh Guptha Muthiyalu, 2022-06-17 A comprehensive guide to every important component of C# and .NET 6 required to build robust enterprise web applications

Key Features

- Explore the advanced features of C# and .NET 6 to enhance your code and productivity
- Follow clear and easy instructions for building an end-to-end enterprise application
- Learn how to build scalable web applications and host them on the cloud

Book Description Building production-ready enterprise applications can be a challenging task due to the overabundance of tools and their different versions that make app development complex. This book simplifies the process with an end-to-end road map for building enterprise applications from scratch using the latest features of .NET Core 6 and C# 10. Throughout the book, you'll work on creating an enterprise app, adding a key component to the app with each chapter, before finally getting it ready for testing and deployment. You'll learn concepts relating to advanced data structures, the Entity Framework Core, parallel programming, and dependency injection. As you progress, you'll cover various authentication and authorization schemes provided by .NET Core to make your apps and APIs secure. The book then shows you how the latest Microsoft Visual Studio and C# 10 help you simplify developer tasks and shares tips and tricks in Visual Studio to improve your productivity. You'll discover various testing techniques, such as unit testing and performance testing, as well as different methods to deploy enterprise apps. By the end of this book, you'll be able to create enterprise apps using the powerful features of .NET 6 and deploy them to the cloud while working with various cloud components using Azure. What you will learn

- Design enterprise apps by making the most of the latest features of .NET 6
- Discover different layers of an app, such as the data layer, API layer, and web layer
- Explore end-to-end architecture by implementing an enterprise web app using .NET and C# 10 and deploying it on Azure
- Focus on the core concepts of web application development and implement them in .NET 6
- Integrate the new

.NET 6 health and performance check APIs into your app • Explore MAUI and build an application targeting multiple platforms - Android, iOS, and Windows Who this book is for If you are a developer, architect, or senior programmer, this book will show you how to leverage the features of .NET 6 and the C# language, as well as help you grasp essential techniques to build your skills.

add folder to solution visual studio 2022: ASP.NET Core 6 and Angular Valerio De Sanctis, 2022-04-06 Design, build and deploy robust web applications using ASP.NET 6, Angular 13, and Entity Framework Core Key FeaturesThe most up-to-date book that covers cutting-edge features released in ASP.NET Core 6 and Angular 13Create a production-ready Single-Page Application (SPA) or Progressive Web Application (PWA)Adopt a full-stack approach to handle data management, API documentation, Web APIs, end-to-end testing, security, and deploymentBook Description Every full-stack ninja needs the tools to operate on front-end and back-end application development. This web app development book takes a hands-on, project-based approach to provide you with all the tools and techniques that web developers need to create, debug, and deploy efficient web applications using ASP.NET Core and Angular. The fifth edition has been updated to cover advanced topics such as Minimal APIs, Web APIs with GraphQL, real-time updates with SignalR, and new features in .NET 6 and Angular 13. You begin by building a data model with Entity Framework Core, alongside utilizing the Entity Core Fluent API and EntityTypeConfiguration class. You'll learn how to fetch and display data and handle user input with Angular reactive forms and front-end and back-end validators for maximum effect. Later, you will perform advanced debugging and explore the unit testing features provided by xUnit.net (.NET 6) and Jasmine, as well as Karma for Angular. After adding authentication and authorization to your apps, you will explore progressive web applications, learning about their technical requirements, testing processes, and how to convert a standard web application to a PWA. By the end of this web development book, you will understand how to tie together the front-end and back-end to build and deploy secure and robust web applications. What you will learnUse the new Visual Studio Standalone TypeScript Angular templateImplement and consume a Web API interface with ASP.NET CoreSet up an SQL database server using a local instance or a cloud datastorePerform C# and TypeScript debugging using Visual Studio 2022Create TDD and BDD unit tests using xUnit, Jasmine, and KarmaPerform DBMS structured logging using providers such as SeriLogDeploy web apps to Azure App Service using IIS, Kestrel, and NGINXLearn to develop fast and flexible Web APIs using GraphQLAdd real-time capabilities to Angular apps with ASP.NET Core SignalRWho this book is for This book is for experienced ASP.NET developers who already possess some familiarity with ASP.NET Core and Angular and are looking to learn how to use them effectively together. The fully documented code samples (also available on GitHub) and the step-by-step implementation tutorials make this book easy to follow.

add folder to solution visual studio 2022: Elevating Game Experiences with Unreal Engine 5 Gonçalo Marques, Devin Sherry, David Pereira, Hammad Fozi, 2022-09-23 Get hands-on with game development tools and techniques in this illustrated guide to build a game project using the latest version of Unreal Engine and C++, two of the most widely used tools in the game industry Key Features Kickstart your career or develop a new hobby by learning game development with Unreal Engine 5 and C++ Learn techniques to prototype and develop your own ideas with key images printed in color Reinforce your skills with project-based learning by building a series of games from scratch Book DescriptionImmerse yourself in the Unreal game projects with this book, written by four highly experienced industry professionals with many years of combined experience with Unreal Engine. Elevating Game Experiences with Unreal Engine 5 will walk you through the latest version of Unreal Engine by helping you get hands-on with the game creation projects. The book starts with an introduction to the Unreal Editor and key concepts such as actors, blueprints, animations, inheritance, and player input. You'll then move on to the first of three projects, building a dodgeball game, where you'll learn the concepts of line traces, collisions, projectiles, user interface, and sound effects. You'll also discover how to combine these concepts to showcase your new skills. The second project, a side-scroller game, will help you implement concepts such as

animation blending, enemy AI, spawning objects, and collectibles. And finally, you'll cover the key concepts in creating a multiplayer environment as you work on the third project, an FPS game. By the end of this Unreal Engine book, you'll have a broad understanding of how to use the tools that the game engine provides to start building your own games. What you will learn

- Create a fully functional third-person character and enemies
- Implement navigation with keyboard, mouse, and gamepad
- Program logic and game mechanics with collision and particle effects
- Explore AI for games with Blackboards and behavior trees
- Build character animations with animation blueprints and montages
- Polish your game with stunning visual and sound effects
- Explore the fundamentals of game UI using a heads-up display
- Discover how to implement multiplayer in your games

Who this book is for This book is for game developers looking to get started with using Unreal Engine 5 for their game development projects. Anyone who has used Unreal Engine before and wants to consolidate, improve, and apply their skills will find this book useful. To better grasp the concepts explained in this book, prior knowledge of C++ basics such as variables, functions, classes, polymorphism, and pointers is required. For full compatibility with the IDE used in this book, a Windows system is recommended

add folder to solution visual studio 2022: SQL Server Database Programming with Java

Ying Bai, 2022-08-25 This textbook covers both fundamental and advanced Java database programming techniques for beginning and experienced students as well as programmers (courses related to database programming in Java with Apache NetBeans IDE 12 environment). A sample SQL Server 2019 Express database, CSE_DEPT, is created and implemented in all example projects throughout this textbook. Over 40 real sample database programming projects are covered in this textbook with detailed illustrations and explanations to help students understand the key techniques and programming technologies. Chapters include homework and selected solutions to strengthen and improve students' learning and understanding for topics they study in the classroom. Both Java desktop and Web applications with SQL Server database programming techniques are discussed and analyzed. Some updated Java techniques, such as Java Server Pages (JSP), Java Server Faces (JSF), Java Web Service (JWS), JavaServer Pages Standard Tag Library (JSTL), JavaBeans and Java API for XML Web Services (JAX-WS) are also discussed and implemented in the real projects developed in this textbook. This textbook targets mainly advanced-level students in computer science, but it also targets entry-level students in computer science and information system. Programmers, software engineers and researchers will also find this textbook useful as a reference for their projects.

add folder to solution visual studio 2022: Software Architecture with C# 10 and .NET 6

Gabriel Baptista, Francesco Abbruzzese, 2022-03-15 Design scalable and high-performance enterprise applications using the latest features of C# 10 and .NET 6

Key Features

- Gain comprehensive software architecture knowledge and the skillset to create fully modular apps
- Solve scalability problems in web apps using enterprise architecture patterns
- Master new developments in front-end architecture and the application of AI for software architects

Book Description Software architecture is the practice of implementing structures and systems that streamline the software development process and improve the quality of an app. This fully revised and expanded third edition, featuring the latest features of .NET 6 and C# 10, enables you to acquire the key skills, knowledge, and best practices required to become an effective software architect. Software Architecture with C# 10 and .NET 6, Third Edition features new chapters that describe the importance of the software architect, microservices with ASP.NET Core, and analyzing the architectural aspects of the front-end in the applications, including the new approach of .NET MAUI. It also includes a new chapter focused on providing a short introduction to artificial intelligence and machine learning using ML.NET, and updated chapters on Azure Kubernetes Service, EF Core, and Blazor. You will begin by understanding how to transform user requirements into architectural needs and exploring the differences between functional and non-functional requirements. Next, you will explore how to choose a cloud solution for your infrastructure, taking into account the factors that will help you manage a cloud-based app successfully. Finally, you will analyze and implement software design patterns that will allow you to solve common development problems. By the end of

this book, you will be able to build and deliver highly scalable enterprise-ready apps that meet your business requirements. What you will learn Use proven techniques to overcome real-world architectural challenges Apply architectural approaches such as layered architecture Leverage tools such as containers to manage microservices effectively Get up to speed with Azure features for delivering global solutions Program and maintain Azure Functions using C# 10 Understand when it is best to use test-driven development (TDD) Implement microservices with ASP.NET Core in modern architectures Enrich your application with Artificial Intelligence Get the best of DevOps principles to enable CI/CD environments Who this book is for This book is for engineers and senior software developers aspiring to become architects or looking to build enterprise applications with the .NET Stack. Basic familiarity with C# and .NET is required to get the most out of this book.

add folder to solution visual studio 2022: Hands-On Visual Studio 2022 Hector Uriel Perez Rojas, Miguel Angel Teheran Garcia, 2024-03-01 Unlock the power of Visual Studio 2022 with this step-by-step illustrated guide and leverage its powerful features Key Features Ride the wave of artificial intelligence using the new GPT-based extensions Explore tips, tricks, and best practices to discover ways to overcome source-code challenges Get to grips with Visual Studio's basic and advanced features to harness its full potential and enhance your coding journey Purchase of the print or Kindle book includes a free PDF eBook Book Description Visual Studio 2022 is widely recognized as the best IDE for application development across various domains. This book is a comprehensive guide for both beginners and experienced .NET developers who wish to familiarize themselves with its basic, advanced, and new features. This book is divided into three sections: the first is an overview of Visual Studio, the second part explores tools for productivity within the IDE, and the third delves into integration with GitHub and Visual Studio extensions. In this second edition, we've also expanded the chapters on the use of Visual Studio to environments beyond web development, such as Azure, Desktop, .NET MAUI, and others. Updates to the IDE introduced since the release year of the first edition of the book in 2022 have also been included, such as the use of GPT-based extensions like GitHub Copilot and GitHub Copilot Chat, as well as profiling tools. The book reviews breakpoint groups, a new way to configure breakpoints, as well as tools for web development, such as Browser Link, Dev Tunnels, and Web API Endpoints Explorer. For more advanced developers, the book addresses the topic of developing extensions through the use of the new Visual Studio SDK. By the end of this book, you'll have a better understanding of Visual Studio 2022 and how to use it to its fullest potential. What you will learn Discover what's new in Visual Studio 2022 Get to grips with the new features in code tools to improve productivity Explore latest compilation and debugging tips Unveil shortcuts, tricks, tips, and tools to improve productivity within Visual Studio 2022 Leverage remote and collaborative work with Visual Studio 2022 Find out how to create new projects and templates in Visual Studio 2022 Enhance your skills by learning general tools, shortcuts, and tips for .NET developers Implement version control with Git Integration into your workflow Who this book is for This book is for .NET developers who want to learn how to use the latest features, tools, and extensions available in Visual Studio 2022. To get the most out of the book, general knowledge of C# is recommended. Knowledge of web development, Azure, .NET MAUI, and Desktop with .NET will help you follow along, but it's not a prerequisite.

add folder to solution visual studio 2022: Designing and Implementing Microsoft DevOps Solutions AZ-400 Exam Guide Subhajit Chatterjee, Swapneel Deshpande, Henry Been, Maik van der Gaag, 2022-09-23 Written by Microsoft MVPs and Azure experts, this comprehensive guide comes with self-study exercises to help you understand the concepts better and move closer to becoming a skilled Azure DevOps engineer Key Features Explore a step-by-step approach to designing and creating a successful DevOps environment Understand how to implement continuous integration and continuous deployment pipelines on Azure Integrate and implement security, compliance, containers, and databases in your DevOps strategies Book Description The AZ-400 Designing and Implementing Microsoft DevOps Solutions certification helps DevOps engineers and administrators get to grips with practices such as continuous integration and continuous delivery (CI/CD), containerization, and zero downtime deployments using Azure DevOps Services. This new

edition is updated with advanced topics such as site reliability engineering (SRE), continuous improvement, and planning your cloud transformation journey. The book begins with the basics of CI/CD and automated deployments, and then moves ahead to show you how to apply configuration management and Infrastructure as Code (IaC) along with managing databases in DevOps scenarios. As you make progress, you'll explore fitting security and compliance with DevOps and find out how to instrument applications and gather metrics to understand application usage and user behavior. This book will also help you implement a container build strategy and manage Azure Kubernetes Services. Lastly, you'll discover quick tips and tricks to confidently apply effective DevOps practices and learn to create your own Azure DevOps organization. By the end of this DevOps book, you'll have gained the knowledge needed to ensure seamless application deployments and business continuity. What you will learn

Get acquainted with Azure DevOps Services and DevOps practices
Discover how to efficiently implement CI/CD processes
Build and deploy a CI/CD pipeline with automated testing on Azure
Integrate security and compliance in pipelines
Understand and implement Azure Container Services
Effectively close the loop from production back to development
Apply continuous improvement strategies to deliver innovation at scale

Who this book is for
The book is for anyone looking to prepare for the AZ-400 certification exam. Software developers, application developers, and IT professionals who want to implement DevOps practices for the Azure cloud will also find this book helpful. Familiarity with Azure DevOps basics, software development, and development practices is recommended but not necessary.

add folder to solution visual studio 2022: Pro ASP.NET Core 7, Tenth Edition Adam Freeman, 2023-09-26 Now in its tenth edition, this industry-leading guide to ASP.NET Core teaches everything you need to know to create easy, extensible, and cloud-native web applications. Pro ASP.NET Core 7 is the tenth edition of Adam Freeman's industry-leading handbook to building web applications ASP.NET Core. It maintains the style and structure of popular previous editions, with content updated for ASP.NET Core's latest evolution. You'll dive right into the foundations of web app development. Learn about web services, HTML responses, authentication and authorization, and container deployment as you build a realistic sports online store. You'll then explore ASP.NET's more advanced capabilities, including MVC for RESTful web services, Razor Pages for HTML responses, Blazor for client-side interaction, and data access with Entity Framework Core. Throughout the book, engaging hands-on examples show you how each tool works in action. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications.

add folder to solution visual studio 2022: .NET MAUI Projects Michael Cummings, Daniel Hindrikes, Johan Karlsson, 2024-02-09 Harness the powerful features of .NET MAUI, the evolution of Xamarin.Forms, to create multi-platform app projects using location services, the weather API, machine learning, and much more

Key Features
Leverage .NET MAUI through real-world projects, from weather apps to real-time multiplayer games with SignalR and Azure Functions
Explore the essential features of .NET MAUI such as Shell, CollectionView, and CarouselView
Go beyond the basics with advanced topics like machine learning using TensorFlow and ML.NET
Purchase of the print or Kindle book includes a free PDF eBook

Book Description
This third edition of .NET MAUI Projects explores the features of .NET MAUI, a lightweight multi-platform development toolkit for building apps with a rich user interface. Updated to cover the latest features of .NET MAUI, including CollectionView and Shell, this book delves into concepts such as machine learning and cloud services. Starting with an overview of .NET Core and how it works, this book shares tips for choosing the right development environment for planning multi-platform apps. You'll then build your first .NET MAUI app and advance to learning how to use Shell to implement app architecture. Progressing in complexity, the projects guide you through creating apps, ranging from a location tracker and weather map to machine learning and multiplayer games. Further, the book will take you through modern mobile development frameworks such as SQLite, .NET Core, and ML.NET, empowering you to customize your apps for Windows, macOS, Android, and iOS platforms for native-like performance. Engaging examples are woven throughout the book so you can grasp essential concepts by writing code rather than extensive theory. By the end of this book, you'll be

ready to develop your own native apps using .NET MAUI and associated technologies such as .NET Core, Visual Studio 2022, and C#. What you will learn

- Set up .NET MAUI to build native apps for multiple platforms using its single project capabilities
- Understand the core aspects of developing a mobile app, such as layout, UX, and rendering
- Use custom handlers for platform-specific access
- Discover how to create custom layouts for your apps with .NET MAUI Shell
- Implement serverless services in your .NET MAUI apps using Azure SignalR
- Create a .NET MAUI Blazor application leveraging the power of web technologies
- Build and train machine learning models using ML.NET and Azure Cognitive Services

Who this book is for This book is for C# and .NET developers who want to learn .NET MAUI and get started with native .NET Core mobile application development from the ground up. Working knowledge of Visual Studio and C# will help you to get the most out of this book.

add folder to solution visual studio 2022: Mastering Microsoft Dynamics 365 Business Central Stefano Demiliani, Duilio Tacconi, 2024-03-19 Utilize Microsoft Dynamics 365 Business Central's most recent capabilities to create bespoke business management solutions using best practices learned along the way from veterans in the industry. Purchase of the print or Kindle book includes a free PDF eBook

Key Features Extend Business Central's functionalities through Azure, Power Platform, GitHub, and custom extensions Unlock the potential of data exchange and functionality expansion by integrating with external systems using APIs and OData Build reliable, maintainable, and continuously improving solutions while writing performant, well-structured code and using telemetries and DevOps

Book Description This book dives straight into guiding you through the process of building real-world solutions with the AL language and Visual Studio Code. It emphasizes best practices and extensibility patterns to ensure your extensions are well-structured, maintainable, and meet the needs of modern businesses. You'll learn advanced AL techniques, report creation methods, debugging strategies, and how to leverage telemetries for monitoring. Additionally, it covers performance optimization practices and API integration to help you create efficient and interconnected solutions. With a focus on extension development, this new edition allows you to jump right into coding without spending time on setup processes. This book introduces new chapters covering essential tasks that Business Central developers frequently encounter, such as file handling and printing management. Finally, the book expands its scope by including chapters on various integration aspects, including VS Code extensions, GitHub DevOps, Azure services, and Power Platform integrations. We'll wrap up by covering Copilot capabilities in Business Central and how you can create your own generative AI copilots. By mastering these concepts and techniques, you'll be well-equipped to create powerful and customized solutions that extend the capabilities of Dynamics 365 Business Central.

What you will learn Developing a customized solution for Dynamics 365 Business Central Writing performant code following extensibility patterns Handling reporting, files, and printing on a cloud environment Handling Business Central telemetries with Azure Writing APIs and integrations for Dynamics 365 Business Central Applying DevOps and CI/CD to development projects by using GitHub Integrating Business Central with Power Platform Publishing your solutions to AppSource marketplace Manage Copilot capabilities and create your own generative AI copilot

Who this book is for This book is intended for new developers who want to get started with Dynamics 365 Business Central. Professionals with expertise will also benefit from this book by enhancing their knowledge and comprehension of Dynamics 365 Business Central development platform and best practices

add folder to solution visual studio 2022: .NET MAUI in Action Matt Goldman, 2023-10-31 Build cross-platform apps with .NET MAUI! This exciting new technology helps you create mobile and desktop apps using a common set of .NET tools. In .NET MAUI in Action you will learn how to:

- Set up your environment for cross-platform development
- Write an interactive UI in XAML using out-of-the-box controls
- Apply the MVVM pattern to build maintainable code
- Extend your control library with custom controls
- Structure your app using common navigation paradigms
- Use common device features like GPS
- Use DevOps tools to automate deployment and testing

.NET MAUI in Action shows you how you can use the cutting-edge MAUI framework to write apps that will run on

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Understand how to render large, animated crowds efficiently Identify and resolve performance issues Who this book is for This book is for curious C++ developers, game programmers, game designers, and character animators, either pursuing this as a hobby or profession, who have always wanted to look behind the curtain and see how character animation in games works. The book assumes basic C++ and math knowledge, and you should be able to read code and math formulas to get the most out of this book.

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custom layouts for your apps with Xamarin.Forms ShellUse Azure SignalR to implement serverless services in your Xamarin appsCreate an augmented reality (AR) game for Android and iOS using ARCore and ARKit, respectivelyBuild and train machine learning models using CoreML, TensorFlow, and Azure Cognitive ServicesWho this book is for This book is for C# and .NET developers who want to learn Xamarin.Forms and get started with native Xamarin mobile application development from the ground up. Working knowledge of Visual Studio will help you to get the most out of this book.

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