Microsoft

Visual Studio

Professional

Microsoft Visual Studio 2017 Professional W Msdn

Bob Familiar,Jeff Barnes

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   Professional Visual Studio 2017 Bruce Johnson,2017-10-18 Skip the basics and delve right into Visual Studio 2017 advanced features and tools Professional Visual Studio 2017 is the industry favorite guide to getting the most out of Microsoft s primary programming technology From touring the new UI to exploiting advanced functionality this book is designed to help professional developers become more productive A unique IDE centric approach provides a clear path through the typical workflow while exploring the nooks and crannies that can make your job easier Visual Studio 2017 includes a host of features aimed at improving developer productivity and UI and this book covers them all with clear explanation new figures and expert insight Whether you re new to VS or just upgrading this all inclusive guide is an essential resource to keep within arm s reach Visual Studio 2017 fixes the crucial issues that kept professionals from adopting VS 2015 and includes new features and tools that streamline the developer s job This book provides the straightforward answers you need so you can get up to speed quickly and get back to work Master the core functionality of Visual Studio 2017 Dig into the tools that make writing code easier Tailor the environment to your workflow not the other way around Work your way through configuration debugging building deployment customizing and more Microsoft is changing their release cadence it s only been about two years since the last release so developers need to quickly get a handle on new tools and features if they hope to remain productive The 2017 release is designed specifically to help you get more done in less time with greater accuracy and attention to detail If you re ready to get acquainted Professional Visual Studio 2017 is your ideal guide   *Professional C# 7 and .NET Core 2.0* Christian Nagel,2018-03-21 The professional s guide to C 7 with expert guidance on the newest features Professional C 7 and NET Core 2 0 provides experienced programmers with the information they need to work effectively with the world s leading programming language The latest C update added many new features that help you get more done in less time and this book is your ideal guide for getting up to speed quickly C 7 focuses on data consumption code simplification and performance with new support for local functions tuple types record types pattern matching non nullable reference types immutable types and better support for variables Improvements to Visual Studio will bring significant changes to the way C developers interact with the space bringing NET to non Microsoft platforms and incorporating tools from other platforms like Docker Gulp and NPM Guided by a leading NET expert and steeped in real world practicality this guide is designed to get you up to date and back to work With Microsoft speeding up its release cadence while offering more significant improvement with each update it has never been more important to get a handle on new tools and features quickly This book is designed to do just that and more everything you need to know about C is right here in the single volume resource on every developer s shelf Tour the many new and enhanced features packed into C 7 and NET Core 2 0 Learn how the latest Visual Studio update makes developers jobs easier Streamline your workflow with a new focus on code simplification and performance enhancement Delve into improvements made for localization networking

diagnostics deployments and more Whether you re entirely new to C or just transitioning to C 7 having a solid grasp of the latest features allows you to exploit the language s full functionality to create robust high quality apps Professional C 7 and NET Core 2 0 is the one stop guide to everything you need to know **ASP.NET Core Recipes** John Ciliberti,2017-09-12 Quickly find solutions to common web development problems Content is presented in the popular problem solution format Look up the problem that you want to solve Read the solution Apply the solution directly in your own code Problem solved ASP NET Core Recipes is a practical guide for developers creating modern web applications cutting through the complexities of ASP NET jQuery React and HTML5 to provide straightforward solutions to common web development problems using proven methods based on best practices The problem solution approach gets you in out and back to work quickly while deepening your understanding of the underlying platform and how to develop with it Author John Ciliberti guides you through the MVC framework and development tools presenting typical challenges along with code solutions and clear concise explanations to accelerate application development Solve problems immediately by pasting in code from the recipes or put multiple recipe solutions together to overcome challenging development obstacles What You ll Learn Take advantage of MVC s streamlined syntax Discover how to take full control over HTML Develop a simple API for creating RESTful web services Understand test driven development Migrate a project from ASP NET web forms to Core MVC including recipes for converting DataGrids Forms Web Parts Master Pages and navigation controls Use Core MVC in combination with popular JavaScript libraries including jQuery React Bootstrap and more Write unit tests for your MVC controllers views custom filters and HTML helpers Utilize the latest features in Visual Studio 2017 to accelerate your Core MVC projects Identify performance bottlenecks in your MVC application Who This Book Is For Web developers of all skill levels who are looking for a programming reference for ASP NET Core MVC and would like to gain an understanding of the inner workings of the platform In addition parts of this book provide guidance to developers familiar with ASP NET Web Forms who would like to update their skill set to include Core MVC **Beginning Visual Studio for Mac** Alessandro Del Sole,2017-10-24 Quickly learn how to get the most out of the Visual Studio for Mac integrated development environment IDE Microsoft has invested heavily to deliver their very best development tools and platforms to other operating systems Visual Studio for Mac is a powerful developer tool that reinforces Microsoft s mobile first cloud first and any developer any platform any device strategy With the author s guided expertise and extensive code samples you will understand how to leverage the most useful tools in Visual Studio for Mac the code editor and the powerful debugger You also will appreciate the author s guidance on collaborating with other team members using integrated tooling for the Git source control engine Whether you are a Mac developer interested in cross platform development or a Windows developer using a Mac Beginning Visual Studio for Mac will quickly get you up to speed What You ll Learn Prepare configure and debug in the Mac development environment Create cross platform mobile apps for Android iOS and Windows with Xamarin and C in Visual Studio for Mac Build cross platform

Web applications with NET Core using Visual Studio for Mac Customize your productive and collaborative development environment Who This Book Is For Software developers using a Mac computer who want to build mobile or web applications that run on multiple operating systems   Mastering TypeScript 3 Nathan Rozentals,2019-02-28 Master the TypeScript language and its latest features Explore modern application frameworks and utilize industry best practices in TDD OOP and UI Design Key FeaturesLearn the key features of TypeScript 3 and explore advanced language features through in depth discussions Use TypeScript with modern frameworks including Backbone Angular Aurelia React and Node Explore TDD practices OOP techniques and industry best practices to create high quality modular and adaptable applications Book Description TypeScript is both a language and a set of tools to generate JavaScript It was designed by Anders Hejlsberg at Microsoft to help developers write enterprise scale JavaScript Starting with an introduction to the TypeScript language before moving on to basic concepts each section builds on previous knowledge in an incremental and easy to understand way Advanced and powerful language features are all covered including asynchronous programming techniques decorators and generics This book explores many modern JavaScript and TypeScript frameworks side by side in order for the reader to learn their respective strengths and weaknesses It will also thoroughly explore unit and integration testing for each framework Best of breed applications utilize well known design patterns in order to be scalable maintainable and testable This book explores some of these object oriented techniques and patterns and shows real world implementations By the end of the book you will have built a comprehensive end to end web application to show how TypeScript language features design patterns and industry best practices can be brought together in a real world scenario What you will learnGain insights into core and advanced TypeScript language featuresIntegrate existing JavaScript libraries and third party frameworks using declaration filesTarget popular JavaScript frameworks such as Angular React and moreCreate test suites for your application with Jasmine and SeleniumOrganize your application code using modules AMD loaders and SystemJSExplore advanced object oriented design principlesCompare the various MVC implementations in Aurelia Angular React and moreWho this book is for This guide to the TypeScript that starts with basic concepts and then builds on this knowledge to introduce more advanced language features and frameworks No prior knowledge of JavaScript is required although some prior programming experience is assumed If you are keen to learn TypeScript this book will give you all of the necessary knowledge and skills to tackle any TypeScript project If you are already an experienced JavaScript or TypeScript developer then this book will take your skills to the next level Learn how to use TypeScript with a multitude of modern frameworks and choose the best framework for your project requirements Investigate techniques for Test Driven Development explore industry standard design patterns and learn how to put together a full production ready TypeScript application   c't Windows c't-Redaktion,2021-06-16 Das diesj hrige Sonderheft c t Windows haben wir unter das Motto Werkzeuge gestellt Tools die den Alltag erleichtern bei Konfiguration und Fehlersuche helfen oder Hilfestellungen f r einen verl sslichen Betrieb wie unter

anderem unser beliebtes Backup Skript c t WIMage Auch abseits von Werkzeugen gibt es Hilfe z B eine Anleitung zum sicheren Trennen von beruflichen und privaten Daten oder das bootf higen Rettungssystem des neuesten c t Notfall Windows

Design Patterns in C# Vaskaran Sarcar,2018-06-21 Get hands on experience with each Gang of Four design pattern using C For each of the patterns you ll see at least one real world scenario a coding example and a complete implementation including output In the first part of Design Patterns in C you will cover the 23 Gang of Four GoF design patterns before moving onto some alternative design patterns including the Simple Factory Pattern the Null Object Pattern and the MVC Pattern The final part winds up with a conclusion and criticisms of design patterns with chapters on anti patterns and memory leaks By working through easy to follow examples you will understand the concepts in depth and have a collection of programs to port over to your own projects Along the way the author discusses the different creational structural and behavioral patterns and why such classifications are useful In each of these chapters there is a Q A session that clears up any doubts and covers the pros and cons of each of these patterns He finishes the book with FAQs that will help you consolidate your knowledge This book presents the topic of design patterns in C in such a way that anyone can grasp the idea What You Will Learn Work with each of the design patterns Implement the design patterns in real world applications Select an alternative to these patterns by comparing their pros and cons Use Visual Studio Community Edition 2017 to write code and generate output Who This Book Is For Software developers software testers and software architects   SQL Server 2017 Developer's Guide William Durkin,Miloš Radivojević,Dejan Sarka,2018-03-16 Build smarter and efficient database application systems for your organization with SQL Server 2017 Key Features Build database applications by using the development features of SQL Server 2017 Work with temporal tables to get information stored in a table at any time Use adaptive querying to enhance the performance of your queries Book Description Microsoft SQL Server 2017 is the next big step in the data platform history of Microsoft as it brings in the power of R and Python for machine learning and containerization based deployment on Windows and Linux Compared to its predecessor SQL Server 2017 has evolved into Machine Learning with R services for statistical analysis and Python packages for analytical processing This book prepares you for more advanced topics by starting with a quick introduction to SQL Server 2017 s new features and a recapitulation of the possibilities you may have already explored with previous versions of SQL Server The next part introduces you to enhancements in the Transact SQL language and new database engine capabilities and then switches to a completely new technology inside SQL Server JSON support We also take a look at the Stretch database security enhancements and temporal tables Furthermore the book focuses on implementing advanced topics including Query Store columnstore indexes and In Memory OLTP Towards the end of the book you ll be introduced to R and how to use the R language with Transact SQL for data exploration and analysis You ll also learn to integrate Python code in SQL Server and graph database implementations along with deployment options on Linux and SQL Server in containers for development and testing By the end of this book you will have the required

information to design efficient high performance database applications without any hassle What you will learn Explore the new development features introduced in SQL Server 2017 Identify opportunities for In Memory OLTP technology Use columnstore indexes to get storage and performance improvements Exchange JSON data between applications and SQL Server Use the new security features to encrypt or mask the data Control the access to the data on the row levels Discover the potential of R and Python integration Model complex relationships with the graph databases in SQL Server 2017 Who this book is for Database developers and solution architects looking to design efficient database applications using SQL Server 2017 will find this book very useful In addition this book will be valuable to advanced analysis practitioners and business intelligence developers Database consultants dealing with performance tuning will get a lot of useful information from this book as well Some basic understanding of database concepts and T SQL is required to get the best out of this book

Beginning Build and Release Management with TFS 2017 and VSTS Chaminda Chandrasekara,2017-06-01 Master build and release management with Team Foundation Service and Visual Studio Team Services to facilitate the continuous delivery of software updates to your development team You ll receive detailed practical guidance on automating website deployments in Azure App Service database deployments to Azure platform Micro Services deployments in Azure Service Fabric and more Each deployment is structured with the aid of hands on lessons in a given target environment designed to empower your teams to achieve successful DevOps This book provides lessons on how to optimize build release management definitions using capabilities such as task groups With the help of practical scenarios you ll also learn how to diagnose and fix issues in automated builds and deployments You ll see how to enhance the capability of build and release management using team services TFS Marketplace extensions and writing your own extensions for any missing functionality via hands on lessons What You Will Learn Automate deployment to Azure platform including Web App Service Azure SQL and Azure Service Fabric Test automation integration with builds and deployments Perform Dynamic CRM deployment handling and package management with TFS VSTS Examine requirement to production delivery traceability in practical terms Review cross platform build deployment capabilities of TFS VSTS Who This Book Is For Build Release Engineers Configuration Managers Software Developers Test Automation Engineers System Engineers Software Architects and System Production Support Engineers or anyone who handles and involves in the software delivery process   **Data-Centric Business and Applications** Aneta Poniszewska-Marańda,Natalia Kryvinska,Stanisław Jarząbek,Lech Madeyski,2019-12-14 This book explores various aspects of software creation and development as well as data and information processing It covers relevant topics such as business analysis business rules requirements engineering software development processes software defect prediction information management systems and knowledge management solutions Lastly the book presents lessons learned in information and data management processes and procedures   Professional Application Lifecycle Management with Visual Studio 2013 Mickey Gousset,Martin Hinshelwood,Brian A. Randell,Brian Keller,Martin Woodward,2014-03-26 Ramp

up your software development with this comprehensive resource Microsoft s Application Lifecycle Management ALM makes software development easier and now features support for iOS MacOS Android and Java development If you are an application developer some of the important factors you undoubtedly consider in selecting development frameworks and tools include agility seamless collaboration capabilities flexibility and ease of use Microsoft s ALM suite of productivity tools includes new functionality and extensibility that are sure to grab your attention Professional Application Lifecycle Management with Visual Studio 2013 provides in depth coverage of these new capabilities Authors Mickey Gousset Martin Hinshelwood Brian A Randell Brian Keller and Martin Woodward are Visual Studio and ALM experts and their hands on approach makes adopting new ALM functionality easy Streamline software design and deployment with Microsoft tools and methodologies Gain a practical overview of ALM with step by step guides and reference material Case studies illustrate specific functionality and provide in depth instruction Use new capabilities to support iOS MacOS Android and Java development Discover this comprehensive solution for modeling designing and coordinating enterprise software deployments Over 100 pages of new content forward compatible with new product releases Professional Application Lifecycle Management with Visual Studio 2013 provides a complete framework for using ALM to streamline software design and deployment processes using well developed Microsoft tools and methodologies Professional Application Lifecycle Management with Visual Studio 2013 is your guide to make use of newly available ALM features to take your enterprise software development to the next level   Mastering Unity 2017 Game Development with C# Alan Thorn,2017-10-30 Master realistic animations and graphics particle systems game AI and physics sprites and VR development with Unity 2017 About This Book Create professional grade games with realistic animation and graphics particle systems and game physics with Unity 2017 Unleash the power of C scripting to create intelligent game AI and professional grade game workflows Create immersive VR games using the latest Unity 2017 VR SDK Who This Book Is For If you are a Unity developer who now wants to develop and deploy interesting games by leveraging the new features of Unity 2017 then this is the book for you Basic knowledge of C programming is assumed What You Will Learn Explore hands on tasks and real world scenarios to make a Unity horror adventure game Create enemy characters that act intelligently and make reasoned decisions Use data files to save and restore game data in a way that is platform agnostic Get started with VR development Use navigation meshes occlusion culling and Profiler tools Work confidently with GameObjects rotations and transformations Understand specific gameplay features such as AI enemies inventory systems and level design In Detail Do you want to make the leap from being an everyday Unity developer to being a pro game developer Then look no further This book is your one stop solution to creating mesmerizing games with lifelike features and amazing gameplay This book focuses in some detail on a practical project with Unity building a first person game with many features You ll delve into the architecture of a Unity game creating expansive worlds interesting render effects and other features to make your games special You will create individual game

components use efficient animation techniques and implement collision and physics effectively Specifically we ll explore optimal techniques for importing game assets such as meshes and textures tips and tricks for effective level design how to animate and script NPCs how to configure and deploy to mobile devices how to prepare for VR development how to work with version control and more By the end of this book you ll have developed sufficient competency in Unity development to produce fun games with confidence Style and approach This book takes an easy to follow step by step tutorial approach You will create an advanced level Unity game with an emphasis on leveraging advanced Unity 2017 features while developing the game in its entirety **Professional Microsoft SQL Server 2016 Reporting Services and Mobile Reports** Paul Turley,2017-02-06 Optimize reporting and BI with Microsoft SQL Server 2016 Professional Microsoft SQL Server 2016 Reporting Services and Mobile Reports provides a comprehensive lesson in business intelligence BI operational reporting and Reporting Services architecture using a clear concise tutorial approach You ll learn effective report solution design based upon many years of experience with successful report solutions Improve your own reports with advanced best practice design usability query design and filtering techniques Expert guidance provides insight into common report types and explains where each could be made more efficient while providing step by step instruction on Microsoft SQL Server 2016 All changes to the 2016 release are covered in detail including improvements to the Visual Studio Report Designer SQL Server Data Tools and Report Builder Mobile Dashboard Designer the new Report Portal Interface HTML 5 Rendering Power BI integration Custom Parameters Pane and more The Microsoft SQL Server 2016 release will include significant changes New functionality new capabilities re tooled processes and changing support require a considerable update to existing knowledge Whether you re starting from scratch or simply upgrading this book is an essential guide to report design and business intelligence solutions Understand BI fundamentals and Reporting Services architecture Learn the ingredients to a successful report design Get up to speed on Microsoft SQL Server 2016 Grasp the purpose behind common designs to optimize your reporting Microsoft SQL Server Reporting Services makes reporting faster easier and more powerful than ever in web desktop and portal solutions Compatibility with an extensive variety of data sources makes it a go to solution for organizations across the globe The 2016 release brings some of the biggest changes in years and the full depth and breadth of these changes can create a serious snag in your workflow For a clear tutorial geared toward the working professional Professional Microsoft SQL Server 2016 Reporting Services and Mobile Reports is the ideal guide for getting up to speed and producing successful reports Information Systems Architecture and Technology: Proceedings of 38th International Conference on Information Systems Architecture and Technology – ISAT 2017 Jerzy Świątek,Leszek Borzemski,Zofia Wilimowska,2017-09-04 This three volume set of books presents advances in the development of concepts and techniques in the area of new technologies and contemporary information system architectures It guides readers through solving specific research and analytical problems to obtain useful knowledge and business value from the data Each chapter provides an

analysis of a specific technical problem followed by the numerical analysis simulation and implementation of the solution to the problem The books constitute the refereed proceedings of the 2017 38th International Conference Information Systems Architecture and Technology or ISAT 2017 held on September 17 19 2017 in Szklarska Por ba Poland The conference was organized by the Computer Science and Management Systems Departments Faculty of Computer Science and Management Wroclaw University of Technology Poland The papers have been organized into topical parts Part I includes discourses on topics including but not limited to Artificial Intelligence Methods Knowledge Discovery and Data Mining Big Data Knowledge Discovery and Data Mining Knowledge Based Management Internet of Things Cloud Computing and High Performance Computing Distributed Computer Systems Content Delivery Networks and Service Oriented Computing Part II addresses topics including but not limited to System Modelling for Control Recognition and Decision Support Mathematical Modelling in Computer System Design Service Oriented Systems and Cloud Computing and Complex Process Modeling Part III deals with topics including but not limited to Modeling of Manufacturing Processes Modeling an Investment Decision Process Management of Innovation Management of Organization   **Hacker Culture and the New Rules of Innovation** Tim Rayner,2018-02-28 Fifteen years ago a company was considered innovative if the CEO and board mandated a steady flow of new product ideas through the company s innovation pipeline Innovation was a carefully planned process driven from above and tied to key strategic goals Nowadays innovation means entrepreneurship self organizing teams fast ideas and cheap customer experiments Innovation is driven by hacking and the world s most innovative companies proudly display their hacker credentials Hacker culture grew up on the margins of the computer industry It entered the business world in the twenty first century through agile software development design thinking and lean startup method the pillars of the contemporary startup industry Startup incubators today are filled with hacker entrepreneurs running fast cheap experiments to push against the limits of the unknown As corporations not for profits and government departments pick up on these practices seeking to replicate the creative energy of the startup industry hacker culture is changing how we think about leadership work and innovation This book is for business leaders entrepreneurs and academics interested in how digital culture is reformatting our economies and societies Shifting between a big picture view on how hacker culture is changing the digital economy and a detailed discussion of how to create and lead in house teams of hacker entrepreneurs it offers an essential introduction to the new rules of innovation and a practical guide to building the organizations of the future

   Visual Studio 2015 Cookbook Jeff Martin,2016-08-19 Over 50 new and improved recipes to put Visual Studio 2015 to work in your crucial development projects About This Book Get to grips with all the new Visual Studio 2015 features regardless of your preferred programming language Apply Visual Studio to all areas of development writing debugging and application lifecycle maintenance Straightforward and hands on advice for building both Windows and Android apps Who This Book Is For If you are a developer excited about the new features introduced in Visual Studio 2015 then no matter what

your programming language of choice is Visual Studio 2015 Cookbook is for you You should have a good knowledge of working with previous versions of Visual Studio to benefit from the recipes in this book What You Will Learn Customize the editor s new abilities to fit your development style Create apps for Windows Use Visual Studio to debug parallel and concurrent programs Integrate NET Framework 4 6 effectively Put TypeScript to work in your web applications Develop modern C 11 with Visual Studio 2015 Protect and manage your source code with Team Foundation Server In Detail Visual Studio 2015 is the premier tool for developers targeting the Microsoft platform Learning how to effectively use this technology can enhance your productivity while simplifying your most common tasks allowing you more time to focus on your project Visual Studio 2015 is packed with improvements that increase productivity and this book walks you through each one in succession to help you smooth your workflow and get more accomplished From customization and the interface to code snippets and debugging the Visual Studio upgrade expands your options and this book is your fast track guide to getting on board quickly Visual Studio 2015 Cookbook will introduce you to all the new areas of Visual Studio and how they can quickly be put to use to improve your everyday development tasks With this book you will learn not only what VS2015 offers but what it takes to put it to work for your projects Style and approach This book is a practical guide to using Visual Studio 2015 and will help you become familiar with the improvements made in previous versions Each recipe provides a hands on approach to the new features with step by step instructions on how to increase your productivity **MSDN Magazine** ,2004
     <u>C# 7.0 All-in-One For Dummies</u> John Paul Mueller,Bill Sempf,Chuck Sphar,2017-12-07 Sharpen your knowledge of C C know how is a must if you want to be a professional Microsoft developer It s also good to know a little C if you re building tools for the web mobile apps or other development tasks C 7 0 All in One For Dummies offers a deep dive into C for coders still learning the nuances of the valuable programming language Pop it open to get an intro into coding with C how to design secure apps and databases and even pointers on building web and mobile apps with C C remains one of the most in demand programming language skills The language regularly ranks in the top five among most in demand languages typically along with Java JavaScript C and Python A December 2016 ZDNet article noted If your employer is a Microsoft developer you better know C Lucky for you this approachable all in one guide is here to help you do just that without ever breaking a sweat Includes coverage of the latest changes to C Shows you exactly what the language can and can t do Presents familiar tasks that you can accomplish with C Provides insight into developing applications that provide protection against hackers If you have a basic understanding of coding and need to learn C or need a reference on the language in order to launch or further your career look no further *Business in Real-Time Using Azure IoT and Cortana Intelligence Suite* Bob Familiar,Jeff Barnes,2017-06-05 Learn how today s businesses can transform themselves by leveraging real time data and advanced machine learning analytics This book provides prescriptive guidance for architects and developers on the design and development of modern Internet of Things IoT and Advanced Analytics solutions In addition Business in Real Time Using

Azure IoT and Cortana Intelligence Suite offers patterns and practices for those looking to engage their customers and partners through Software as a Service solutions that work on any device Whether you re working in Health Life Sciences Manufacturing Retail Smart Cities and Buildings or Process Control there exists a common platform from which you can create your targeted vertical solutions Business in Real Time Using Azure IoT and Cortana Intelligence Suite uses a reference architecture as a road map Building on Azure s PaaS services you ll seehow a solution architecture unfolds that demonstrates a complete end to end IoT and Advanced Analytics scenario What You ll Learn Automate your software product life cycle using PowerShell Azure Resource Manager Templates and Visual Studio Team Services Implement smart devices using Node JS and C Use Azure Streaming Analytics to ingest millions of events Provide both Hot and Cold path outputs for real time alerts data transformations and aggregation analytics Implement batch processing using Azure Data Factory Create a new form of Actionable Intelligence AI to drive mission critical business processes Provide rich Data Visualizations across a wide variety of mobile and web devices Who This Book is For Solution Architects Software Developers Data Architects Data Scientists and CIO CTA Technical Leadership Professionals **Membangun Aplikasi Windows dengan Visual Basic.NET 2015 Teori dan Praktikum** Muhammad Wali,2017-07-03 Pemrograman merupakan salah satu mata kuliah dalam kurikulum Program Studi Manajemen Informatika AMIK Indonesia Banda Aceh Mata kuliah ini bertujuan agar mahasiswa mampu memahami konsep dasar pemrograman windows dan mampu menerapkan konsep pemrograman Visual BASIC dalam mengembangkan perangkat lunak berbasis windows Sesuai dengan tujuan tersebut buku ajar ini tersusun atas beberapa bagian yakni dimulai dari pengenalan NET dan Framerwok kemudian pada bagian berikutnya dibahas mengenai Visual Studio 2015 dasar pemrograman Visual BASIC basis data dalam pemrograman Visual BASIC Microsoft Office Acces 2016 SQL Server 2015 Crytal Report dan Compiler Buku ajar ini ditujukan kepada khalayak yang ingin memahami mengenai konsep pemrograman BASIC dan pengembangan perangkat lunak berbasis Windoes terutama bagi mahasiswa Program Studi Manajemen Informatika AMIK Indonesia Banda Aceh Buku ajar ini diharapkan dapat menjadi acuan untuk membantu mahasiswa dalam perkuliahan Buku ajar ini dapat diselesaikan dengan baik berkat dukungan dari berbagai pihak Penulis dalam kesempatan ini ingin menyampaikan ucapan terima kasih kepada semua pihak dan terutama kepada AMIK Indonesia Banda Aceh Semoga buku ajar ini dapat bermanfaat bagi semua pihak yang membutuhkan Penulis menyadari dalam penulisan buku ajar ini masih banyak terdapat kekurangan Penulis sangat mengharapkan saran yang bersifat membangun demi kesempuranaan buku ajar ini

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