Cambridge Primary English Curriculum Framework With Codes

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Entity Framework Code First Succinctly May 30 2022 Follow author Ricardo Peres as he introduces the newest development mode for Entity Framework, Code First. With Entity Framework Code First Succinctly, you will learn the ins and outs of developing code by hand in Code First. With this knowledge, you will be able to have finer control over your output than ever before.

Use of the RE-AIM Framework: Translating Research to Practice with Novel Applications and Emerging Directions Jul 20 2021

Corporate Governance in MENA Building a Framework for Competitiveness and Growth Oct 23 2021 A strong corporate governance framework is essential for MENA economies as they strive to boost economic growth, strengthen competitiveness and build prosperous societies. The G20/OECD Principles of Corporate Governance and the OECD Guidelines on Corporate Governance of State-Owned Enterprises are a reference in order to build such a framework.

Compendium of Zeolite Framework Types Jun 06 2020 This compendium describes all known zeolite framework types. The first part gives a pictorial description of how the framework can be built using periodic building units (PerBUs). The PerBUs are built from smaller units composed of a limited number of T-atoms (such as Si, Al, P, Ga, B, Be etc.) by applying simple operation(s) to the smaller unit, e.g. translation, rotation. The zeolite framework types are analysed in terms of these component PerBUs. The second part covers the larger cages, cavities and/or channels in the zeolite framework together with the framework type codes (FTCs) in which they appear. In addition, two appendices are included for easy-referencing. Two appendices are added. The first giving a survey of cages as type characteristics with their FTCs. The second summarizing those channels and cavities that appear in more than one framework type. The Compendium of Zeolite Framework Types contains complementary information to the data in the "Atlas of Zeolite Framework Types" (Baerlocher et al (2001) Elsevier, London). The latter contains the topological symmetry, unit cell data and pore dimensions. * How zeolites can be built using simple building units * Description of the channels and cages in all zeolites known to date * Survey of those channels and cages that appear in more than one zeolite

Cognitive Internet of Things: Frameworks, Tools and Applications Jan 26 2022 This book provides insights into the research in the fields of artificial intelligence in combination with Internet of Things (IoT) technologies. Today, the integration of artificial intelligence and IoT technologies is attracting considerable interest from both researchers and developers from academic fields and industries around the globe. It is foreseeable that the next generation of IoT research will focus on artificial intelligence/beyond artificial intelligence approaches. The rapidly growing numbers of artificial intelligence algorithms and big data solutions have significantly increased the number of potential applications for IoT technologies, but they have also created new challenges for the artificial intelligence community. This book shares the latest scientific advances in this area.

Entity Framework 6 Recipes Sep 09 2020 Entity Framework 6 Recipes provides an exhaustive collection of ready-to-use code solutions for Entity Framework, Microsoft's model-centric, data-access platform for the .NET Framework and ASP.NET development. With this book, you will learn the core concepts of Entity Framework through a broad range of clear and concise solutions to everyday data access tasks. Armed with this experience, you will be ready to dive deep into Entity Framework, experiment with new approaches, and develop ways to solve even the most difficult data access challenges. If you are a developer who likes to learn by example, then this is the right book for you. Gives ready-to-use, real-world recipes to help you with everyday tasks Places strong focus on DbContext and the Code First approach Covers new features such as Asynch Query and Save, Codebased Configuration, Connection Resiliency, Dependency Resolution, and much more

Global Air Transport Management and Reshaping Business Models for the New Era Oct 11 2020 The air transport industry is highly vulnerable to environmental changes as was seen when the recent COVID-19 pandemic caused most airline operations to cease. However, for decades airlines have been collapsing around the globe as the business of managing airline operations has become stressed due to price competition. This is detrimental to air carriers since air transport products and services are the same. Moreover, it impacts other industries such as tourism, hotels, and restaurants, which contribute to the derailment of economic and social activities. Thus, it is essential to determine new practices and strategies that can allow air

transport management to be enriched and to flourish. Global Air Transport Management and Reshaping Business Models for the New Era provides a comprehensive collection of knowledge on the new era of business management on air transport. It provides strategies, technologies, and tools used in the reshaping of the air transport business model. Covering topics such as customer experience, robotic process automation, and airline alliances, this major reference work is an essential resource for airline managers, supply chain specialists, air transport managers, students and faculty of higher education, libraries, researchers, economists, government officials, and academicians.

Principles of Neural Coding Jul 08 2020 Understanding how populations of neurons encode information is the challenge faced by researchers in the field of neural coding. Focusing on the many mysteries and marvels of the mind has prompted a prominent team of experts in the field to put their heads together and fire up a book on the subject. Simply titled Principles of Neural Coding, this book covers the complexities of this discipline. It centers on some of the major developments in this area and presents a complete assessment of how neurons in the brain encode information. The book collaborators contribute various chapters that describe results in different systems (visual, auditory, somatosensory perception, etc.) and different species (monkeys, rats, humans, etc). Concentrating on the recording and analysis of the firing of single and multiple neurons, and the analysis and recording of other integrative measures of network activity and network states—such as local field potentials or current source densities—is the basis of the introductory chapters. Provides a comprehensive and interdisciplinary approach Describes topics of interest to a wide range of researchers The book then moves forward with the description of the principles of neural coding for different functions and in different species and concludes with theoretical and modeling works describing how information processing functions are implemented. The text not only contains the most important experimental findings, but gives an overview of the main methodological aspects for studying neural coding. In addition, the book describes alternative approaches based on simulations with neural networks and in silico modeling in this highly interdisciplinary topic. It can serve as an important reference to students and professionals.

Programming Entity Framework: DbContext Mar 16 2021 The DbContext API captures Entity Framework's (EF) most commonly used features and tasks, simplifying development with EF. This concise book shows you how to use the API to perform set operations with the DbSet class, handle change tracking and resolve concurrency conflicts with the Change Tracker API, and validate changes to your data with the Validation API. With DbContext, you'll be able to query and update data, whether you're working with individual objects or graphs of objects and their related data. You'll find numerous C# code samples to help you get started. All you need is experience with Visual Studio and database management basics. Use EF's query capabilities to retrieve data, and use LINQ to sort and filter data Learn how to add new data, and change and delete existing data Use the Change Tracker API to access information EF keeps about the state of entity instances Control change tracking information of entities in disconnected scenarios, including NTier applications Validate data changes before they're sent to the database, and set up validation rules Bypass EF's query pipeline and interact directly with the database

Unit Test Frameworks Oct 30 2019 Most people who write software have at least some experience with unit testing-even if they don't call it that. If you have ever written a few lines of throwaway code just to try something out, you've built a unit test. On the other end of the software spectrum, many large-scale applications have huge batteries of test cases that are repeatedly run and added to throughout the development process. What are unit test frameworks and how are they used? Simply stated, they are software tools to support writing and running unit tests, including a foundation on which to build tests and the functionality to execute the tests and report their results. They are not solely tools for testing; they can also be used as development tools on a par with preprocessors and debuggers. Unit test frameworks can contribute to almost every stage of software development and are key tools

for doing Agile Development and building big-free code. Unit Test Frameworks covers the usage, philosophy, and architecture of unit test frameworks. Tutorials and example code are platform-independent and compatible with Windows, Mac OS X, Unix, and Linux. The companion CD includes complete versions of JUnit, CppUnit, NUnit, and XMLUnit, as well as the complete set of code examples.

Eclipse Modeling Framework Dec 01 2019 bull; Shows how EMF unifies three important technologies: Java, XML, and UML bull; Provides a comprehensive overview of the EMF classes including a complete quick reference for all the classes and methods in the EMF 1.1 API bull; Includes examples of many common framework customizations and programming techniques

Frameworks for Tourism Research May 06 2020 This book systematically sets out the main types of frameworks that have been used in tourism research, examining their distinguishing features and how they are used, and illustrating these with specific examples. In this way, the book seeks to assist researchers to become more conscious of the range of frameworks available and be more aware of the opportunities for using them; to foster a critical appreciation of appropriate frameworks, both in their own work and the work of others; and to develop and/or apply frameworks more effectively and thereby enhance the quality of their research and the way in which it is communicated. The book has 10 chapters, an author index, and a subject index.

Coding Theory Jan 02 2020 One of the most important key technologies for digital communication systems as well as storage media is coding theory. It provides a means to transmit information across time and space over noisy and unreliable communication channels. Coding Theory: Algorithms, Architectures and Applications provides a concise overview of channel coding theory and practice, as well as the accompanying signal processing architectures. The book is unique in presenting algorithms, architectures, and applications of coding theory in a unified framework. It covers the basics of coding theory before moving on to discuss algebraic linear block and cyclic codes, turbo codes and low density parity check codes and space-time codes. Coding Theory provides algorithms and architectures used for implementing coding and decoding strategies as well as coding schemes used in practice especially in communication systems. Feature of the book include: Unique presentation-like style for summarising main aspects Practical issues for implementation of coding techniques Sound theoretical approach to practical, relevant coding methodologies Covers standard coding schemes such as block and convolutional codes, coding schemes such as Turbo and LDPC codes, and space time codes currently in research, all covered in a common framework with respect to their applications. This book is ideal for postgraduate and undergraduate students of communication and information engineering, as well as computer science students. It will also be of use to engineers working in the industry who want to know more about the theoretical basics of coding theory and their application in currently relevant communication systems

The Theoretical Framework in Phenomenological Research Jun 18 2021 The Theoretical Framework in Phenomenological Research: Development and Application is an introduction to phenomenology in which the authors overview its origin, main ideas and core concepts. They show the application and relevancy of phenomenological tenets in practical qualitative research, as well as demonstrate how aligning theory and method enhances research credibility. In this detailed but digestible explanation of phenomenological theories, the authors explore the ideas of the main founders pertaining to the meaning of perceived reality and the meaning of being, and how these founders articulated their methodologies. In doing so, The Theoretical Framework in Phenomenological Research fills the well-documented gap between theory and practice within phenomenology by providing a much-needed bridge between the foundational literature and applied research on the subject, focusing equally on theory and practice. The book includes practical demonstrations on how to create theoretical/conceptual frameworks in applied phenomenological research. It also features detailed, step-by-step illustrations and examples regarding how researchers can develop frameworks and use their concepts to inform the development

of themes at the data analysis stage. A reliable guide underpinned by foundational phenomenology literature, The Theoretical Framework in Phenomenological Research is an essential text for researchers, instructors, practitioners and students looking to design and conduct phenomenological studies in a manner that ensures credible outcomes.

Programming .NET Compact Framework 3.5 Aug 09 2020 "If you're interested in developing for this burgeoning platform, there is no one better able to get you up-to-speed." –From the Foreword by Rob Tiffany, mobility architect, Microsoft Completely revised and updated for .NET Compact Framework 2.0 and 3.5, Visual Studio 2008, and Windows Mobile Smart Phones, Programming .NET Compact Framework 3.5, Second Edition, teaches you how to write highly effective applications for handheld wireless devices with small screens, limited memory, and finite battery life. This book is the definitive tutorial and reference for the .NET Compact Framework and Windows Mobile. If you're interested in developing for this burgeoning platform, there is no one better able to get you up to speed than industry veterans, master programmers, and teachers Paul Yao and David Durant. With this book you will learn how to Use each of the ten API sets available for Windows Mobile; when to use each; and, especially, when to use Win32 and the .NET Compact Framework 2.0 and 3.5 Write programs that make the most of a Windows Mobile device's limited battery life Efficiently invoke Win32 APIs from the .NET Compact Framework Write exceptional, data-driven applications using data binding and .NET controls Manage device data with the object store, file I/O, and the registry Work with databases using ADO.NET and LINQ Synchronize mobile data with remote databases and the remote API Make a mobile device work with the Windows Communication Foundation (WCF) Create graphical output on Windows Mobile devices If you want to learn Windows Mobile development but only have limited experience with the .NET Framework, this is the only book you need.

Salesforce Coding Genius Feb 24 2022 Architect and deliver packaged Force.com applications that cater to enterprise business needsKey Features* Salesforce Lightning Wizard Framework - A framework built on the top of Lightning to support complex requirements of organisations* Salesforce Batch Framework - A framework built on Apex, Native Salesforce which helps organisations to achieve any complex asynchronous jobs requirements easily* Saelsforce Trigger Framework - Step-by-Step process to adopt with Trigger framework which support any complex real time business operations and also reduces cyclomatic complexity at the same time.Book DescriptionSalesforce Coding Genius is neither a tutorial nor a book for beginners. Intended for developers who are already familiar with the Apex language, and experienced Java and C# developers who are moving to Apex, this book starts where the Salesforce Apex documentation leaves off.Are you facing a challenging Salesforce.com problem--say, relating to automation, configuration, formulation, or reporting--that you can't quite crack? Or maybe you are hoping to infuse some creativity into your solution design strategy to solve problems faster or make solutions more efficient? Salesforce Coding Genius shows you how to unlock the power of the Force.com platform to solve real business problems--and all without writing a line of code. Adhering to Salesforce.com's "clicks, not code", Salesforce.com expert Markus Koche walks you through different business problems and identifies effective, creative--and proven--approaches to solutions using the platform's declarative framework.If you are a Salesforce.com administrator, analyst, consultant, or developer, you can attest to the insatiable appetite of users for new functionality. Your clients expect solutions--and now with Salesforce Coding Genius you can deliver a best solution for your project.What you will learn* Package, install, test, and upgrade an application* Define architecture-aligning data storage and functional requirements* Develop Apex code that is easy to navigate, self-documenting, testable, robust, and organic* Leverage your application's clientagnostic Service layer backbone to support numerous platform areas* Get the most from hosting your application within the Lightning Experience and Salesforce1 Mobile clients* Apply querying, indexing, and asynchronous best practices* Leverage mocking and dependency injection

in your Apex tests* Explore tips for developing advanced applicationsThe purpose of this book is to detail best practice for Apex code development on the Salesforce project which should be followed by developers working on the project. It also details some design patterns and testing frameworks which should be adopted where possible to provide robust and scalable platforms as follows:+ Salesforce Lightning Wizard Framework + Salesforce Batch Apex Framework+ Salesforce Trigger Framework+ Salesforce Lightning Component FrameworkThese frameworks helps in understanding the basics of Apex / Lightning. It is designed on the top of exisiting Apex or Lightning Framework which extends the use cases of most common business logics. This book has defined a lightning component framework that will be leveraged and utilised on the project. For any query or concern drop us a mail on info@expounddigital.com

Framework Design Guidelines Oct 03 2022 This is the eBook version of the print title, Framework Design Guidelines, Second Edition . Access to all the samples, applications, and content on the DVD is available through the product catalog page www.informit.com/title/9780321545619 Navigate to the "Downloads" tab and click on the "DVD Contents" links - see instructions in back pages of your eBook. Framework Design Guidelines, Second Edition, teaches developers the best practices for designing reusable libraries for the Microsoft .NET Framework. Expanded and updated for .NET 3.5, this new edition focuses on the design issues that directly affect the programmability of a class library, specifically its publicly accessible APIs. This book can improve the work of any .NET developer producing code that other developers will use. It includes copious annotations to the guidelines by thirty-five prominent architects and practitioners of the .NET Framework, providing a lively discussion of the reasons for the guidelines as well as examples of when to break those guidelines. Microsoft architects Krzysztof Cwalina and Brad Abrams teach framework design from the top down. From their significant combined experience and deep insight, you will learn The general philosophy and fundamental principles of framework design Naming guidelines for the various parts of a framework Guidelines for the design and extending of types and members of types Issues affecting–and guidelines for ensuring–extensibility How (and how not) to design exceptions Guidelines for–and examples of–common framework design patterns Guidelines in this book are presented in four major forms: Do, Consider, Avoid, and Do not. These directives help focus attention on practices that should always be used, those that should generally be used, those that should rarely be used, and those that should never be used. Every guideline includes a discussion of its applicability, and most include a code example to help illuminate the dialogue. Framework Design Guidelines, Second Edition, is the only definitive source of best practices for managed code API development, direct from the architects themselves. A companion DVD includes the Designing .NET Class Libraries video series, instructional presentations by the authors on design guidelines for developing classes and components that extend the .NET Framework. A sample API specification and other useful resources and tools are also included.

Frameworks for Market Strategy Aug 21 2021 Frameworks for Market Strategy helps students understand how to develop and implement a market strategy and how to manage the marketing process. Marketing activity is the source of insight on the market, customers, and competitors and lies at the core of leading and managing a business. To understand how marketing fits into the broader challenge of managing a business, Capon and Go address marketing management both at the business and functional levels. The book moves beyond merely presenting established procedures, processes, and practices and includes new material based on cutting-edge research to ensure students develop strong critical thinking and problem-solving skills for success. In this European edition, Capon and Go have retained the strong framework of the book, but have updated the cases, examples, and discussions to increase the book's relevance for students outside the USA. Key features include: • A strong strategic focus, teaching students how to analyze markets, customers, and competitors to plan, execute, and evaluate a winning market strategy • Practical examples from a range of contexts, allowing students to develop the skills necessary to work in for-profit, public, or non-profit firms • Emphasis on understanding the importance of

working across organizational boundaries to align firm capabilities • Full chapters devoted to key topics, including brand management, digital marketing, marketing metrics, and ethical as well as social responsibilities • Focus on globalization with a chapter on regional and international marketing • Multiple choice, discussion, and essay questions at the end of each chapter Offering an online instructor's manual and a host of useful pedagogy – including videos, learning outcomes, opening cases, key ideas, exercises, discussion questions, a glossary, and more – this book will provide a solid foundation in marketing management, both for those who will work in marketing departments, and those who will become senior executives.

Play Framework Essentials Jan 14 2021 This book targets Java and Scala developers who already have some experience in web development and who want to master Play framework quickly and efficiently. This book assumes you have a good level of knowledge and understanding of efficient Java and Scala code.

Real-World Solutions for Developing High-Quality PHP Frameworks and Applications Jul 28 2019 Learn to develop high-quality applications and frameworks in PHP Packed with in-depth information and step-by-step guidance, this book escorts you through the process of creating, maintaining and extending sustainable software of high quality with PHP. World-renowned PHP experts present real-world case studies for developing high-quality applications and frameworks in PHP that can easily be adapted to changing business requirements. . They offer different approaches to solving typical development and quality assurance problems that every developer needs to know and master. Details the process for creating high-quality PHP frameworks and applications that can easily be adapted to changing business requirements Covers the planning, execution, and automation of tests for the different layers and tiers of a Web application Demonstrates how to establish a successful development process Shares real-world case studies from well-known companies and their PHP experts With this book, you'll learn to develop high-quality PHP frameworks and applications that can easily be maintained with reasonable cost and effort.

The Theory of Information and Coding Sep 29 2019 This is a self-contained introduction to the basics of the theory of information and coding.

Understanding by Design Feb 01 2020 Presents a multifaceted model of understanding, which is based on the premise that people can demonstrate understanding in a variety of ways.

Build Your Own Framework with Visual FoxPro Dec 13 2020 A guide to building frameworks using Visual FoxPro covers such topics as framework architecture, cursors, business objects, data entry forms, toolbars, error handling, and security.

The Chemistry of Metal-Organic Frameworks Aug 28 2019 Providing vital knowledge on the design and synthesis of specific metal-organic framework (MOF) classes as well as their properties, this ready reference summarizes the state of the art in chemistry. Divided into four parts, the first begins with a basic introduction to typical cluster units or coordination geometries and provides examples of recent and advanced MOF structures and applications typical for the respective class. Part II covers recent progress in linker chemistries, while special MOF classes and morphology design are described in Part III. The fourth part deals with advanced characterization techniques, such as NMR, in situ studies, and modelling. A final unique feature is the inclusion of data sheets of commercially available MOFs in the appendix, enabling experts and newcomers to the field to select the appropriate MOF for a desired application. A must-have reference for chemists, materials scientists, and engineers in academia and industry working in the field of catalysis, gas and water purification, energy storage, separation, and sensors.

Legal Framework for the Admission of FDI Apr 28 2022 The law on foreign direct investment (FDI) belongs to the fastest changing legal field in international law. Investors and the host state have long left behind a relationship dominated by the host state's desire to screen and choose FDI. In the

current market for FDI, both parties try to assert influence, but in the end the scarcity of FDI is the decisive factor. This book provides an in-depth study of the legal framework for the admission of FDI and presents insights into the pros and cons of various admission models. Its goal is to identify legal and policy options that serve the host state's and investor's common needs. The book is a comprehensive, easy reference handbook that is of interest to lawyers, academics and policy makers.

Frameworks for Practice in Educational Psychology, Second Edition May 18 2021 Now in its second edition, this comprehensive textbook presents a rich overview of approaches to educational psychology, through an in-depth exploration of both existing and emerging practice frameworks. Covering established techniques such as the Monsen et al. Problem-Solving Framework and the Constructionist Model of Informed and Reasoned Action, the book sets out new material on innovative methods and approaches such as Implementation Science and a Problem-Solving - Solution Focussed integrated model for service delivery. Accessible summaries are accompanied by perceptive assessments of how these frameworks meet modern needs for accountable, transparent and effective practice. Providing a definitive, up-to-date view of educational psychology, the book explains the complex, integrated methodology necessary to succeed in the field today. Thoughtful and clear, this textbook will be an invaluable resource for all practicing educational psychologists, students, trainers and educators.

Theoretical Frameworks in Qualitative Research Nov 11 2020 The Second Edition of Theoretical Frameworks in Qualitative Research, by Vincent A. Anfara, Jr. and Norma T. Mertz, brings together some of today's leading qualitative researchers to discuss the frameworks behind their published qualitative studies. They share how they found and chose a theoretical framework, from what discipline the framework was drawn, what the framework posits, and how it influenced their study. Both novice and experienced qualitative researchers are able to learn first-hand from various contributors as they reflect on the process and decisions involved in completing their study. The book also provides background for beginning researchers about the nature of theoretical frameworks and their importance in qualitative research; about differences in perspective about the role of theoretical frameworks; and about how to find and use a theoretical framework.

Codes of Conduct and International Framework Agreements Mar 28 2022

Programming Entity Framework Sep 02 2022 Annotation Code first is an additional means of building a model to be used with the Entity Framework and is creating a lot of excitement in the .NET development community. The reader will begin with an overview of what code first is, why it was created, how it fits into the Entity Framework and when to use it over the alternatives.

Towards a Framework for Codes of Conduct in the Tourism Industry Nov 04 2022 Many scholars refer to tourism as one of the fastest growing industries worldwide. With this, tourism contributes to both positive and negative impacts on social and environmental aspects. Tourism is linked with sustainability and to deal with this, Corporate Social Responsibility can be applied in the tourism industry. One of the tools to apply CSR within a company is through a code of conduct. Studies reveal a rise in codes of conduct, although the tourism industry is least developed compared to other industries. A comparison is made between codes of conduct from the tourism and textile industry. The textile industry is chosen for this comparison for its similarities, but more important, the existing differences between the two industries. Through the comparison of codes of conduct, findings are the different focuses on social and environmental issues by the tourism and textile industries. Furthermore, the geographical focus of the codes, inclusion of standards and conventions and the implementation of tourism and textile codes differ. Findings and conclusions are integrated in a framework, which lead to more effective and structured codes of conduct for the tourism industry.

Visual Population Codes Aug 01 2022 How visual content is represented in neuronal population codes and how to analyze such codes with

multivariate techniques. Vision is a massively parallel computational process, in which the retinal image is transformed over a sequence of stages so as to emphasize behaviorally relevant information (such as object category and identity) and deemphasize other information (such as viewpoint and lighting). The processes behind vision operate by concurrent computation and message passing among neurons within a visual area and between different areas. The theoretical concept of "population code" encapsulates the idea that visual content is represented at each stage by the pattern of activity across the local population of neurons. Understanding visual population codes ultimately requires multichannel measurement and multivariate analysis of activity patterns. Over the past decade, the multivariate approach has gained significant momentum in vision research. Functional imaging and cell recording measure brain activity in fundamentally different ways, but they now use similar theoretical concepts and mathematical tools in their modeling and analyses. With a focus on the ventral processing stream thought to underlie object recognition, this book presents recent advances in our understanding of visual population codes, novel multivariate pattern-information analysis techniques, and the beginnings of a unified perspective for cell recording and functional imaging. It serves as an introduction, overview, and reference for scientists and students across disciplines who are interested in human and primate vision and, more generally, in understanding how the brain represents and processes information.

Computational Framework for the Finite Element Method in MATLAB and Python Jun 26 2019 "Computational Framework for the Finite Element Method in MATLAB and Python aims to provide a programming framework for coding linear FEM using matrix-based MATLAB language and Python scripting language. It describes FEM algorithm implementation in the most generic formulation so that it is possible to apply this algorithm to as many application problems as possible. Readers can follow the step-by-step process of developing algorithms with clear explanations of its underlying mathematics and how to put it into MATLAB and Python code. The content is focused on aspects of numerical methods and coding FEM rather than FEM mathematical analysis. However, basic mathematical formulations for numerical techniques which are needed to implement FEM are provided. Particular attention is paid to an efficient programming style using sparse matrices. Features Contains ready-to-use coding recipes allowing fast prototyping and solving of mathematical problems using FEM. Suitable for upper-level undergraduates and graduates in applied mathematics, science, or engineering. Both MATLAB and Python programming codes are provided to give readers more flexibility in the practical framework implementation"--

Electronic Health Record Apr 04 2020 Discover How Electronic Health Records Are Built to Drive the Next Generation of Healthcare Delivery The increased role of IT in the healthcare sector has led to the coining of a new phrase "health informatics," which deals with the use of IT for better healthcare services. Health informatics applications often involve maintaining the health records of individuals, in digital form, which is referred to as an Electronic Health Record (EHR). Building and implementing an EHR infrastructure requires an understanding of healthcare standards, coding systems, and frameworks. This book provides an overview of different health informatics resources and artifacts that underlie the design and development of interoperable healthcare systems and applications. Electronic Health Record: Standards, Coding Systems, Frameworks, and Infrastructures compiles, for the first time, study and analysis results that EHR professionals previously had to gather from multiple sources. It benefits readers by giving them an understanding of what roles a particular healthcare standard, code, or framework plays in EHR design and overall IT-enabled healthcare services along with the issues involved. This book on Electronic Health Record: Offers the most comprehensive coverage of available EHR Standards including ISO, European Union Standards, and national initiatives by Sweden, the Netherlands, Canada, Australia, and many others Provides assessment of existing standards Includes a glossary of frequently used terms in the area of EHR Contains numerous diagrams and illustrations to facilitate comprehension Discusses security and reliability of data

Programming Entity Framework Nov 23 2021 If you use Entity Framework in Visual Studio 2008 and .NET 3.5, this is the book you want. Programming Entity Framework, 1st Edition offers experienced developers a thorough introduction to Microsoft's core framework for modeling and interacting with data in .NET applications. This hands-on tour provides a deep understanding of Entity Framework's architecture and APIs, and explains how to use the framework in a variety of applications built with Visual Studio 2008 and .NET 3.5. From the Entity Data Model (EDM) and Object Services to EntityClient and the Metadata Workspace, this highly acclaimed first edition covers it all. Understand the core concepts you need to make the best use of the Entity Framework (EF) in your applications Learn to query your data, using either LINQ to Entities or Entity SQL Create Windows Forms, WPF, and ASP.NET applications Build ASMX web services and WCF services Use Object Services to work directly with your entity objects Delve into model customization, relationship management, change tracking, data concurrency, and more One important note: while many of the lessons from this book will continue to be valuable as you move to .NET 4, the thoroughly revised second edition of Programming Entity Framework (August 2010) specifically targets Visual Studio 2010 and .NET 4 -- where there have been many advancements and additions to the framework.

Teacher Noticing: Bridging and Broadening Perspectives, Contexts, and Frameworks Sep 21 2021 This book reflects on the continuing development of teacher noticing through an exploration of the latest research. The authors and editors seek to clarify the construct of teacher noticing and its related branches and respond to challenges brought forth in earlier research. The authors also investigate teacher noticing in multiple contexts and frameworks, including mathematics, science, international venues, and various age groups.

Programming Entity Framework: Code First Jun 30 2022 Take advantage of the Code First data modeling approach in ADO.NET Entity Framework, and learn how to build and configure a model based on existing classes in your business domain. With this concise book, you'll work hands-on with examples to learn how Code First can create an in-memory model and database by default, and how you can exert more control over the model through further configuration. Code First provides an alternative to the database first and model first approaches to the Entity Data Model. Learn the benefits of defining your model with code, whether you're working with an existing database or building one from scratch. If you work with Visual Studio and understand database management basics, this book is for you. Learn exactly what Code First does—and does not—enable you to do Understand how property attributes, relationships, and database mappings are inferred from your classes by Code First Use Data Annotations and the Fluent API to configure the Code First data model Perform advanced techniques, such as controlling the database schema and overriding the default model caching This book is a continuation of author Julia Lerman's Programming Entity Framework, widely recognized as the leading book on the topic.

Coding All-in-One For Dummies Feb 12 2021 The go-to guide for learning coding from the ground-up Adding some coding know-how to your skills can help launch a new career or bolster an old one. Coding All-in-One For Dummies offers an ideal starting place for learning the languages that make technology go. This edition gets you started with a helpful explanation of how coding works and how it's applied in the real-world before setting you on a path toward writing code for web building, mobile application development, and data analysis. Add coding to your skillset for your existing career, or begin the exciting transition into life as a professional developer—Dummies makes it easy. Learn coding basics and how to apply them Analyze data and automate routine tasks on the job Get the foundation you need to launch a career as a coder Add HTML, JavaScript, and Python know-how to your resume This book serves up insight on the basics of coding, designed to be easy to follow, even if you've never written a line of code in your life. You can do this.

Programming Entity Framework Dec 25 2021 Get a thorough introduction to ADO.NET Entity Framework 4 -- Microsoft's core framework for

modeling and interacting with data in .NET applications. The second edition of this acclaimed guide provides a hands-on tour of the framework latest version in Visual Studio 2010 and .NET Framework 4. Not only will you learn how to use EF4 in a variety of applications, you'll also gain a deep understanding of its architecture and APIs. Written by Julia Lerman, the leading independent authority on the framework, Programming Entity Framework covers it all -- from the Entity Data Model and Object Services to WCF Services, MVC Apps, and unit testing. This book highlights important changes for experienced developers familiar with the earlier version. Understand the core concepts you need to make the best use of the EF4 in your applications Learn to query your data, using either LINQ to Entities or Entity SQL Create Windows Forms, WPF, ASP.NET Web Forms, and ASP.NET MVC applications Build and consume WCF Services, WCF Data Services, and WCF RIA Services Use Object Services to work directly with your entity objects Create persistent ignorant entities, repositories, and write unit tests Delve into model customization, relationship management, change tracking, data concurrency, and more Get scores of reusable examples -- written in C# (with notes on Visual Basic syntax) -- that you can implement right away

NET Framework Standard Library Annotated Reference Mar 04 2020 Edited by a Lead Program Manager on Microsoft's .NET Framework team, .NET Framework Standard Library Annotated Reference, Volume 1, is the definitive reference for the .NET Framework base class library. This book utilizes extensive annotations and code samples from the creators of the technology to move beyond the online documentation and provide .NET developers with a dictionary-style reference to the most-used parts of the Framework. This volume covers a subset of the ISO CLI Standards, including the Base Class Library and the Extended Numerics Library. In the printed book you will find informative overviews of each namespace covered and an easy-to-follow alphabetic reference of types in the standard, including type-level descriptions, sample code with output, and annotations from the design team and standardization committee. With the ECMA and ISO standards as its core, this book includes: Annotations from key members of the Microsoft design team and the Standardization committee. Comments cover everything from design rationale and history to common problems and shortcomings. An overview of each namespace, describing its functionality and the inheritance hierarchy of types it defines. Type descriptions. Each type is covered in its own chapter, with a detailed description of how the type is to be used and a quick reference of the C# declaration syntax for all members defined on the type. Also noted: which members are only available in the Microsoft implementation of the .NET Framework, which are not available in the .NET Compact Framework, and which are only available in V1.1 of the .NET Framework. Code samples. Types are illustrated by fully compilable code samples with output included. Reference tabs and an exhaustive index, which allow readers to quickly and easily navigate the text. Reusable source code for more than one thousand samples. All code has been tested with versions 1.0, 1.1, and the 2.0 technical preview of the .NET Framework, and, where appropriate, with the .NET Compact Framework.

Web Information Systems Engineering Apr 16 2021 This book constitutes the revised selected papers of the combined workshops on Web Information Systems Engineering, WISE 2011 and WISE 2012, held in Sydney, Australia, in October 2011 and in Paphos, Cyprus, in November 2012. The seven workshops of WISE 2011-2012 have reported the recent developments and advances in the contemporary topics in the related fields of: Advanced Reasoning Technology for e-Science (ART 2012), Cloud-Enabled Business Process Management (CeBPM 2012), Engineering in the Semantic Enterprise (ESE 2012), Social Web Analysis for Trend Detection (SoWeTrend 2012), Big Data and Cloud (BDC 2012), Personalization in Cloud and Service Computing (PC-S 2011), and User-Focused Service Engineering, Consumption and Aggregation (USECA 2011).