1. Record Nr. UNINA9910457822003321 Autore Sturm Oliver Titolo Professional functional programming in C# [[electronic resource]]: classic programming techniques for modern projects / / Oliver Sturm Chichester, West Sussex, U.K., : Wiley, 2011 Pubbl/distr/stampa **ISBN** 1-283-15733-0 9786613157331 0-470-97028-6 Edizione [1st edition] 1 online resource (290 p.) Descrizione fisica Disciplina 005.1/14 005.133 Soggetti C# (Computer program language) Functional programming (Computer science) Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Includes index. Nota di bibliografia Includes index. Professional Functional Programming in C#: Classic Programming Nota di contenuto Techniques for Modern Projects: Contents: Introduction: Part I: Introduction to Functional Programming; Chapter 1: A Look at Functional Programming History: What Is Functional Programming?: Functional Languages; The Relationship to Object Oriented Programming; Summary; Chapter 2: Putting Functional Programming Into a Modern Context; Managing Side Effects; Agile Programming Methodologies; Declarative Programming; Functional Programming Is a Mindset; Is Functional Programming in C# a Good Idea?; Summary Part II: C# Foundations of Functional ProgrammingChapter 3: Functions, Delegates, and Lambda Expressions; Functions and Methods; Reusing Functions; Anonymous Functions and Lambda Expressions; Extension Methods; Referential Transparency; Summary; Chapter 4: Flexible Typing With Generics; Generic Functions; Generic Classes; Constraining Types: Other Generic Types: Covariance and Contravariance: Summary: Chapter 5: Lazy Listing With Iterators; The Meaning of Laziness;

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Sommario/riassunto

Take advantage of the growing trend in functional programming. C# is the number-one language used by .NET developers and one of the most popular programming languages in the world. It has many built-in functional programming features, but most are complex and little understood. With the shift to functional programming increasing at a rapid pace, you need to know how to leverage your existing skills to take advantage of this trend. Functional Programming in C# leads you along a path that begins with the historic value of functional ideas. Inside, C# MVP and functional progra