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Domain Driven
Design With C
Problem Design
Solution
**Net Domain
Driven
Design With
C Problem
Design
Solution**

Recognizing the
showing off ways
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Driven Design

with c problem

design solution

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problem design

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Implementing
Domain Driven
Design. Halil
Ibrahim Kalkan
.NET Fest 2019
Domain Driven
Design Review |
System Design

Page 5/120

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Essentials 2.

*What is Domain
Driven Design?*

Julie LERMAN:

Mapping DDD

Domain Models

with EF Core 2.1

@ Update

Conference

Prague 2018 The

Intersection of

Microservices,

Domain-Driven

Design and

Page 6/120

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Entity Framework

Core

Implementing

Domain Driven

Design

Practical Domain-

Driven Design

with EF Core -

Hossam Barakat

Domain Driven

Design -

Refactoring the

anemic model to

a Rich one

Page 7/120

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~~Domain-Driven
Design and Onion
Architecture in
Scala~~ by Wade

~~Waldron~~ *Working
through Domain-
Driven Design
labs using*

ASPNET Core

*Domain-Driven
Design: Hidden
Lessons from the
Big Blue Book -
Nick Tune*

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AngelSix Reads

Domain-Driven

Design by Eric

Evans

Domain-Driven

Design: Hidden

Lessons from the

Big Blue Book -

Nick Tune *Domain-*

Driven

Refactoring -

Jimmy Bogard -

NDC Oslo 2020 7.

Implementing DDD

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in code Part #1

Domain-Driven

Design with

Relational

Databases Using

Spring Data JDBC

~~What is DDD —~~

~~Eric Evans — DDD~~

~~Europe 2019~~

Domain Driven

Design: The Good

Parts - Jimmy

Bogard

Domain-Driven

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Design with CORS

and Event

Sourcing |

Hacklunch

Domain-Driven

Design, Eric

Evans. Key

points,

highlights. Is

it worth in

2020?*Net Domain*

Driven Design

With

Domain-driven

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design (DDD) advocates modeling based on the reality of business as relevant to your use cases. In the context of building applications, DDD talks about problems as domains. It describes

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independent
problem areas as
Bounded Contexts
(each Bounded
Context

correlates to a
microservice),
and emphasizes a
common language
to talk about
these problems.

*Designing a DDD-
oriented*

Page 13/120

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microservice /
Microsoft Docs
.NET Domain-
Driven Design
with C# Problem
Design Solution
As the first
technical book
of its kind,
this unique
resource walks
you through the
process of
building a real-

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world
application usin
gDomain-Driven
Design
implemented in
C#.

*.NET Domain-
Driven Design
with C#: Problem
- Design ...*

Domain-driven
design is the
concept that the

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structure and language of software code should match the business domain.

For example, if a software processes loan applications, it might have classes such as `LoanApplication` and `Customer`, and methods such

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as `AcceptOffer`
and `Withdraw`.
DDD connects the
implementation
to an evolving
model. Domain-
driven design is
predicated on
the following
goals: placing
the project's
primary focus on
the core domain
and domain

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logic; basing
complex designs
on a model

Problem Design

*Domain-driven
design -*

Wikipedia

What Is Domain-
Driven Design
aka DDD. Domain-
Driven Design is
a language and
domain-centric
approach to

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software design

for complex
problem domains.

Problem Design

Microservices

Powered By

Domain-Driven

Design - DZone

Domain-driven

design is the

idea of solving

problems of the

organization

through code.

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The business goal is important to the business users, with a clear interface and functions. This way, the microservice can run independently from other microservices.

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*The Concept of
Domain-Driven
Design With C
Problem Design
- DEV*

Having read
Vaughn Vernon's
book on DDD
implementation,
I decided to
portgrade
(port+upgrade)
my old clunky
Windows based N-
tier desktop

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expense tracking

application to

ASP.NET Core MVC

application

using some of

the Domain

Driven Design

concepts I

studied in the

book.. In this

post, I will

describe the

overall

architecture of

Download File

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the new expense
tracking
application and
how various
components fit

...

*Building Domain
Driven*

*Architecture in
.NET - Part 1*

...

Domain Driven
Design is all

Page 23/120

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about how you model your Domain. It means each Domain class should have a direct relation to what it represents in the business domain. It is addressing either in the physical or real world. So a

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Customer object should be named a Customer in code – it should have the same rules as a Customer does in the real world or as close as it is possible. Thinking of domain driven design over Normal Layered

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Architecture

Design With C

Introduction To

Domain Driven

Solution - C#

Corner

Getting Started
with DDD Domain-
Driven Design

(DDD) is a
collection of
principles and
patterns that
help developers

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craft elegant
object systems.
Properly applied
it can lead to
software

abstractions
called domain
models. These
models
encapsulate
complex business
logic, closing
the gap between
business reality

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and code.

Design With C

Best Practice -

An Introduction

To Domain-Driven

Design ...

Initially

introduced and

made popular by

programmer Eric

Evans in his

2004 book,

Domain-Driven

Design: Tackling

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Complexity in
the Heart of
Software, domain-
driven design is
the expansion
upon and
application of
the
domainconcept,
as it applies to
the development
of software. It
aims to ease the
creation of

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complex applications by connecting the related pieces of the software into an ever-evolving model.

Domain-Driven Design: What is it and how do you use it ...

In Domain-Driven Design, this

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process is
called
“Knowledge
Crunching” and
is a key part of
the design
process.

Knowledge
Crunching is a
process that
involves both
analysts and
developers.

Between them,

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they both add knowledge to their shared pool, and then (and this is the bit people tend to skip) filter out anything that does not directly relate to their specific design need .

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Domain-Driven

Design - Scott

Logic

Domain-Driven

Design is a

concept

introduced by a

programmer Eric

Evans in 2004 in

his book Domain-

Driven Design:

Tackling

Complexity in

Heart of

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Software. It is an approach for architecting software design by looking at software in top-down approach.

Domain-Driven Design (DDD) - GeeksforGeeks
“Domain Driven Design (DDD), kompleks

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gereksinimlerin
var olduğu bir
dünyada, sürekli
değişen temel
business
kurallarını
birbirine
derinlemesine
bağlayan bir
yazılım
geliştirme ...

Domain-Driven

Design. Bu

Page 35/120

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makalemde uzun

zamandır . . .

This article is
about my

experiences of

applying a

Domain-Driven

Design (DDD)

approach when

working with

Entity Framework

Core (EF Core).

I have now used

DDD and my

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supporting
libraries for
two years on my
own projects and
client projects.

*Domain-Driven
Design and
Entity Framework
Core - two years
...*

Hands-On Domain-
Driven Design
with .NET Core

Page 37/120

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This is the code repository for Hands-On Domain-Driven Design with .NET Core, published by Packt. Tackling complexity in the heart of software by putting DDD principles into practice What is this book about?

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Domain Driven

alexeyzimarev/Hands-On-Domain-Driven-Design-with-C#-Problem-Design-Solution

Design With C

Problem Design

with-.NET-Core

Domain Driven

Design can help

handle complex

behaviors when

building

software. But

for data-driven

devs, the change

in perspective

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isn't always
easy. In this
3-part series
published in
MSDN Magazine,
Julie Lerman
shares some
pointers that
helped her get
comfortable with
DDD. Read
article.

dddcommunity.org

Page 40/120

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| *Domain Driven Design Community*
ABP framework provides an infrastructure to make Domain Driven Design based development easier to implement. DDD is defined in the Wikipedia as below: Domain-

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Driven Design (

DDD) is an

approach to
software

development for

complex needs by

connecting the

implementation

to an evolving

model.

Domain Driven

Design | ABP

Documentation

Page 42/120

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Domain-Driven Design (DDD) is a method for developing a team's

understanding of a problem space. It emphasises placing the primary focus of a project on the core area of the business (the core domain).

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This often takes the form of facilitated workshops with domain experts and the development of a shared set of conceptual models.

What is Domain Driven Design and why do you

Page 44/120

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need it?

Hello, and
welcome to
Domain-Driven
Design

Fundamentals,
part of the
ASP.NET MVC 5
Learning Path
here at

Pluralsight.
Your authors,
Steve Smith and
Julie Lerman,

Page 45/120

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are looking forward to helping you learn the fundamentals of Domain-Driven Design (DDD) through a demonstration of customer interactions and a complex demo application.

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Domain Driven

Design With C

Describes ways
to incorporate

domain modeling

into software

development.

Patterns, Domain-

Driven Design

(DDD), and Test-

Driven

Development

(TDD) enable

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architects and
developers to
create systems
that are
powerful,
robust, and
maintainable.
Now, there's a
comprehensive,
practical guide
to leveraging
all these
techniques
primarily in

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Microsoft .NET

environments,

but the

discussions are

just as useful

for Java

developers.

Drawing on

seminal work by

Martin Fowler

(Patterns of

Enterprise

Application

Architecture)

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and Eric Evans

(Domain-Driven
Design With C
Problem Design
Solution), Jimmy
Nilsson shows

how to create

real-world

architectures

for any .NET

application.

Nilsson

illuminates each

principle with

clear, well-

annotated code

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examples based
on C# 1.1 and
2.0. His
examples and
discussions will
be valuable both
to C# developers
and those
working with
other .NET
languages and
any
databases—even
with other

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platforms, such

as J2EE.

Coverage

includes · Quick

primers on

patterns, TDD,

and refactoring

· Using

architectural

techniques to

improve software

quality · Using

domain models to

support business

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rules and
validation .
Applying
enterprise
patterns to
provide
persistence
support via
NHibernate .
Planning
effectively for
the presentation
layer and UI
testing .

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Designing for
Dependency
Injection,
Aspect
Orientation, and
other new
paradigms

Solve complex
business
problems by
understanding
users better,
finding the

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right problem to solve, and building lean event-driven systems to give your customers what they really want Key Features Apply DDD principles using modern tools such as EventStorming, Event Sourcing,

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and CQRS Learn
how DDD applies
directly to
various

architectural
styles such as
REST, reactive
systems, and
microservices
Empower teams to
work flexibly
with improved
services and
decoupled

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interactions

Book Description

Design With C
Developers

Problem Design
across the world

Solution
are rapidly

adopting DDD

principles to

deliver powerful

results when

writing software

that deals with

complex business

requirements.

This book will

Page 57/120

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guide you in
involving
business
stakeholders
when choosing
the software you
are planning to
build for them.
By figuring out
the temporal
nature of
behavior-driven
domain models,
you will be able

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to build leaner,
more agile, and
modular systems.

You'll begin by
uncovering

domain

complexity and

learn how to

capture the

behavioral

aspects of the

domain language.

You will then

learn about

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EventStorming
and advance to
creating a new
project in .NET
Core 2.1; you'll
also and write
some code to
transfer your
events from
sticky notes to
C#. The book
will show you
how to use
aggregates to

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handle commands
and produce
events. As you
progress, you'll
get to grips
with Bounded
Contexts,
Context Map,
Event Sourcing,
and CQRS. After
translating
domain models
into executable
C# code, you

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will create a frontend for your application using Vue.js. In addition to this, you'll learn how to refactor your code and cover event versioning and migration essentials. By the end of this DDD book, you

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will have gained

the confidence

to implement the

DDD approach in

your

organization and

be able to

explore new

techniques that

complement what

you've learned

from the book.

What you will

learn Discover

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and resolve

domain

complexity

together with

business

stakeholders

Avoid common

pitfalls when

creating the

domain model

Study the

concept of

Bounded Context

and aggregate

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Design and build
temporal models
based on
behavior and not
only data

Explore benefits
and drawbacks of
Event Sourcing
Get acquainted
with CQRS and to-
the-point read
models with
projections
Practice

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building one-way
flow UI with
Vue.js

Understand how a
task-based UI

conforms to DDD
principles Who

this book is for
This book is for

.NET developers
who have an

intermediate
level

understanding of

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C#, and for those who seek to deliver value, not just write code.

Intermediate level of competence in JavaScript will be helpful to follow the UI chapters.

Methods for

Page 67/120

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managing complex
software
Design With C
construction
Problem Design
following the
practices,
principles and
patterns of
Domain-Driven
Design with code
examples in C#
This book
presents the
philosophy of
Domain-Driven

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Design (DDD) in
a down-to-earth
and practical
manner for
experienced
developers
building
applications for
complex domains.
A focus is
placed on the
principles and
practices of
decomposing a

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complex problem
space as well as
the
implementation
patterns and
best practices
for shaping a
maintainable
solution space.
You will learn
how to build
effective domain
models through
the use of

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tactical Driven
patterns and how
to retain their
integrity by
applying the
strategic
patterns of DDD.
Full end-to-end
coding examples
demonstrate
techniques for
integrating a
decomposed and
distributed

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Domain Driven
while coding
Design With C
best practices
Problem Design
and patterns
Solution
advise you on
how to architect
applications for
maintenance and
scale. Offers a
thorough
introduction to
the philosophy
of DDD for
professional

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Domain Driven

Includes masses
of code and
examples of

concept in

action that

other books have
only covered

theoretically

Covers the

patterns of

CQRS, Messaging,

REST, Event

Sourcing and

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Event-Driven

Architectures

Also ideal for

Java developers

who want to

better

understand the

implementation

of DDD

As the first

technical book

of its kind,

this unique

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resource walks
you through the
process of
building a real-
world

application
using Domain-
Driven Design
implemented in
C#. Based on a
real application
for an existing
company, each
chapter is

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broken down into specific modules so that you can identify the problem, decide what solution will provide the best results, and then execute that design to solve the problem. With each chapter, you'll build a

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complete project
from beginning
to end.

Problem Design

“For software
developers of
all experience
levels looking
to improve their
results, and
design and
implement domain-
driven
enterprise

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applications driven
consistently
with the best
current state of
professional
practice,
Implementing
Domain-Driven
Design will
impart a
treasure trove
of knowledge
hard won within
the DDD and

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enterprise
application
architecture
communities over
the last couple
decades.” -Randy
Stafford,
Architect At-
Large, Oracle
Coherence
Product
Development

“This book is a
must-read for

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anybody looking
to put DDD into
practice.” -Udi
Dahan, Founder
of NServiceBus
Implementing
Domain-Driven
Design presents
a top-down
approach to
understanding
domain-driven
design (DDD) in
a way that

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fluently Driven
connects
strategic
patterns to
fundamental
tactical
programming
tools. Vaughn
Vernon couples
guided
approaches to
implementation
with modern
architectures,

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highlighting the importance and value of focusing on the business domain while balancing technical considerations. Building on Eric Evans' seminal book, Domain-Driven Design, the author presents

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practical DDD
techniques
through examples
from familiar
domains. Each
principle is
backed up by
realistic Java
examples—all
applicable to C#
developers—and
all content is
tied together by
a single case

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study: the delivery of a large-scale Scrum-based SaaS system for a multitenant environment. The author takes you far beyond “DDD-lite” approaches that embrace DDD solely as a technical toolset, and

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shows you how to fully leverage DDD's "strategic design patterns" using Bounded Context, Context Maps, and the Ubiquitous Language. Using these techniques and examples, you can reduce time to market and improve

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quality, as you build software that is more flexible, more scalable, and more tightly aligned to business goals. Coverage includes Getting started the right way with DDD, so you can rapidly gain

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value from it
Using DDD within
diverse
architectures,
including
Hexagonal, SOA,
REST, CQRS,
Event-Driven,
and Fabric/Grid-
Based
Appropriately
designing and
applying
Entities-and

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Learning when to
use Value
Objects instead
Mastering DDD's
powerful new
Domain Events
technique
Designing
Repositories for
ORM, NoSQL, and
other databases

Methods for
managing complex

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construction
following the
practices,

principles and
patterns of
Domain-Driven
Design with code
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This book
presents the
philosophy of
Domain-Driven
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a down-to-earth
and practical
manner for
experienced
developers
building
applications for
complex domains.
A focus is
placed on the
principles and
practices of
decomposing a
complex problem

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space as well as the implementation patterns and best practices for shaping a maintainable solution space. You will learn how to build effective domain models through the use of tactical

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patterns and how
to retain their
integrity by
applying the
strategic

patterns of DDD.

Full end-to-end
coding examples
demonstrate

techniques for
integrating a
decomposed and
distributed
solution space

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while coding
best practices
and patterns
advise you on
how to architect
applications for
maintenance and
scale. Offers a
thorough
introduction to
the philosophy
of DDD for
professional
developers

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of code and
examples of
concept in
action that

other books have
only covered
theoretically

Covers the
patterns of
CQRS, Messaging,
REST, Event
Sourcing and
Event-Driven

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Architectures

Also ideal for
Java developers
who want to

better

understand the
implementation
of DDD

You want
increased
customer
satisfaction,
faster

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development cycles, and less wasted work. Domain-driven design (DDD) combined with functional programming is the innovative combo that will get you there. In this pragmatic, down-to-earth guide,

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you'll see how
applying the
core principles
of functional
programming can
result in
software designs
that model real-
world
requirements
both elegantly
and concisely -
often more so
than an object-

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oriented Driven

approach.

Design With C

Practical

Problem Design

examples in the

open-source F#

functional

language, and

examples from

familiar

business

domains, show

you how to apply

these techniques

to build

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software that is
business-
focused,
flexible, and
high quality.

Domain-driven
design is a well-
established
approach to
designing
software that
ensures that
domain experts
and developers

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work together
effectively to
create high-
quality
software. This
book is the
first to combine
DDD with
techniques from
statically typed
functional
programming.
This book is
perfect for

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newcomers to DDD

or functional
programming -

all the

techniques you

need will be

introduced and

explained. Model

a complex domain

accurately using

the F# type

system, creating

compilable code

that is also

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readable documentation--ensuring that the code and design never get out of sync. Encode business rules in the design so that you have "compile-time unit tests," and eliminate many potential bugs by making

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illegal states
unrepresentable.
Assemble a
series of small,
testable
functions into a
complete use
case, and
compose these
individual
scenarios into a
large-scale
design. Discover
why the

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combination of
functional
Design With C
programming and
Problem Design
DDD leads
Solution
naturally to
service-oriented
and hexagonal
architectures.
Finally, create
a functional
domain model
that works with
traditional
databases,

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NoSQL, and event stores, and safely expose your domain via a website or API. Solve real problems by focusing on real-world requirements for your software.

What You Need:

The code in this book is designed

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to be run interactively on Windows, Mac and Linux. You will need a recent version of F# (4.0 or greater), and the appropriate .NET runtime for your platform. Full installation instructions for

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all platforms at
fsharp.org.

JavaScript backs
some of the most
advanced

applications. It
is time to adapt
modern software
development
practices from
JavaScript to
model complex
business needs.

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JavaScript
Domain-Driven
Design With C
Problem Design
Solution
JavaScript
skills to create
advanced
applications.
You'll start
with learning
domain-driven
concepts and
working with UML
diagrams. You'll

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Follow this up with how to set up your projects and utilize the TDD tools.

Different objects and prototypes will help you create model for your business process and see how DDD develops common language for

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Developers and domain experts. Context map will help you manage interactions in a system. By the end of the book, you will learn to use other design patterns such as DSLs to extend DDD with object-oriented design base, and

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then get an insight into how to select the right scenarios to implement DDD.

Domain-Driven Design (DDD) is an approach to software development for complex businesses and

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other domains.
DDD tackles that complexity by focusing the team's attention on knowledge of the domain, picking apart the most tricky, intricate problems with models, and shaping the software around

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those models.
Easier said than
done! The
techniques of
DDD help us
approach this
systematically.
This reference
gives a quick
and
authoritative
summary of the
key concepts of
DDD. It is not

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meant as a
learning
introduction to
the subject.

Eric Evans'
original book
and a handful of
others explain
DDD in depth
from different
perspectives. On
the other hand,
we often need to
scan a topic

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quickly or get
the gist of a
particular
pattern. That is
the purpose of
this reference.
It is
complementary to
the more
discursive
books. The
starting point
of this text was
a set of

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excerpts from
the original
book by Eric
Evans, Domain-
Driven-Design:
Tackling
Complexity in
the Heart of
Software, 2004 -
in particular,
the pattern
summaries, which
were placed in
the Creative

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Commons by Evans

and the
Design With C

publisher,
Problem Design
Pearson

Solution. In
Education. In
this reference,
those original
summaries have
been updated and
expanded with
new content. The
practice and
understanding of
DDD has not

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stood still over

the past decade,

and Evans has

taken this

chance to

document some

important

refinements.

Some of the

patterns and

definitions have

been edited or

rewritten by

Evans to clarify

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the original
intent. Three
patterns have
been added,
describing
concepts whose
usefulness and
importance has
emerged in the
intervening
years. Also, the
sequence and
grouping of the
topics has been

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changed Domain Driven Design significantly to better emphasize the core Problem Design Solution principles. This is an up-to-date, quick reference to DDD.

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