Domain Driven Development

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Introduction

Domain-Driven Design: Tackling Complexity in the Heart of Software -Eric Evans (2003)

Every software program relates to some activity or interest of its user. The heart of software is its ability to solve domain-related problems for its user. All other features, vital though they may be, support this basic purpose. When the domain is complex, this is a difficult task, calling for the concentrated effort of talented and skilled people. Developers have to steep themselves in the domain to build up knowledge of the business.

Eric Evans

Some of the reasons that software projects end up failing

- ❖ Lack of ubiquitous Language
- ❖ Underestimating the Task
- ❖ Lack of Communication
- ❖ Unclear project boundaries
- ❖ Integration Issues
- ❖ Unrealistic or mismanaged timelines
- ❖ Lack of understanding of client's needs

DDD

❖ Solves the **complexity** of the software development

❖ Is a **top-down** approach

❖ **Understands** the client needs

❖ Makes models easier to understand

Key Points

- ❖ **Domain**
- ❖ **Ubiquitous Language**
- ❖ **Strategic Design**
- ❖ **Bounded Context**
- ❖ **Context Mapping**
  - ➢ **Shared Kernel**
  - ➢ **Customer/Supplier Development Teams**
  - ➢ **Conformist**
  - ➢ **Anti-corruption Layer**
  - ➢ **Seperate Ways**

- ❖ **Entities**
- ❖ **Value Objects**
- ❖ **Aggregates**
- ❖ **Factories**
- ❖ **Domain Events**
- ❖ **Services**
- ❖ **Repositories**

Layered Architecture

- ❖ **Domain Layer**
- ❖ **Application Layer**
- ❖ **Infrastructure Layer**
- ❖ **Presentation Layer**

A document shouldn't try to do what the code already does well.

Eric Evans, Domain-Driven Design: Tackling Complexity in the Heart of Software

Resources

- https://medium.com/@ruxijitianu/summary-of-the-domain-driven-design-concepts-9dd1a6f90091
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- https://medium.com/@ruxijitianu/summary-of-the-domain-driven-design-concepts-9dd1a6f90091
- https://penchev.com/posts/domain-driven-design-essentials/
- https://www.forbes.com/sites/forbestechcouncil/2019/06/05/12-common-software-development-obstacles-and-how-to-tackle-them/?sh=49a638395e01

Teşekkürler!

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