

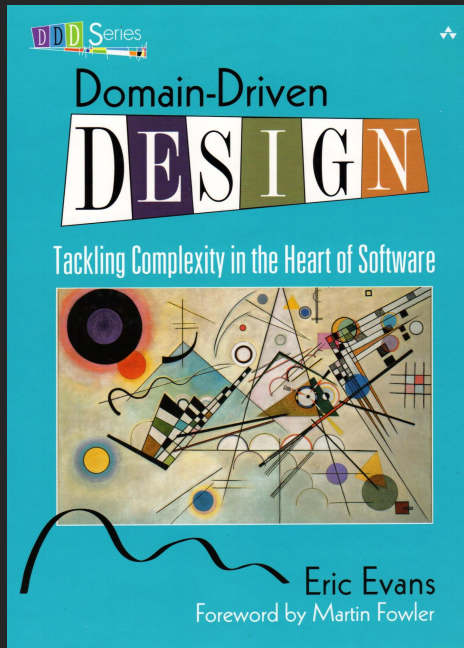
# DDD Strategic Concepts



Rob Allen, June 2024



# It started with a book



# Tackling Complexity in the Heart of Software



# DDD provides for the Strategic and Tactical





A board game map with Arabic text and colored pieces. The map features various regions in yellow, orange, and red, with black outlines. Arabic text is visible, including "الولايات المتحدة" (United States), "شرق" (East), "غرب" (West), and "البحر الأحمر" (Red Sea). Numerous plastic game pieces in blue, red, yellow, and green are placed on the map. A compass rose is located in the bottom left corner.

# Strategic Design

# Domains & Models



London's Rail & Tube services



Holborn station

### Piccadilly line journey times

For timetable information,  
including first and last train times:

- Download the TfL Go app
- Visit [tfl.gov.uk/timetables](https://tfl.gov.uk/timetables)
- Scan the QR code below



Trains run every 3-5 minutes in central areas and 5-10 minutes in outer areas for most of the day\*

\*Lisbridge branch trains run at up to 20 minute intervals.

Early morning and late night trains may run less frequently.



Operates on Friday and Saturday nights  
to Gatwick and Heathrow

Between Cockfield and  
London Heathrow Terminal 4

Trains run approximately every 15 minutes.

*A Domain is*

*something in the real-world*



*A Domain is*

*the subject of our project*



*A Domain is*

*understood by experts in the space*



*A Domain Model is*

*a representation of the Domain*





*A Domain Model is*

*an abstraction of reality*

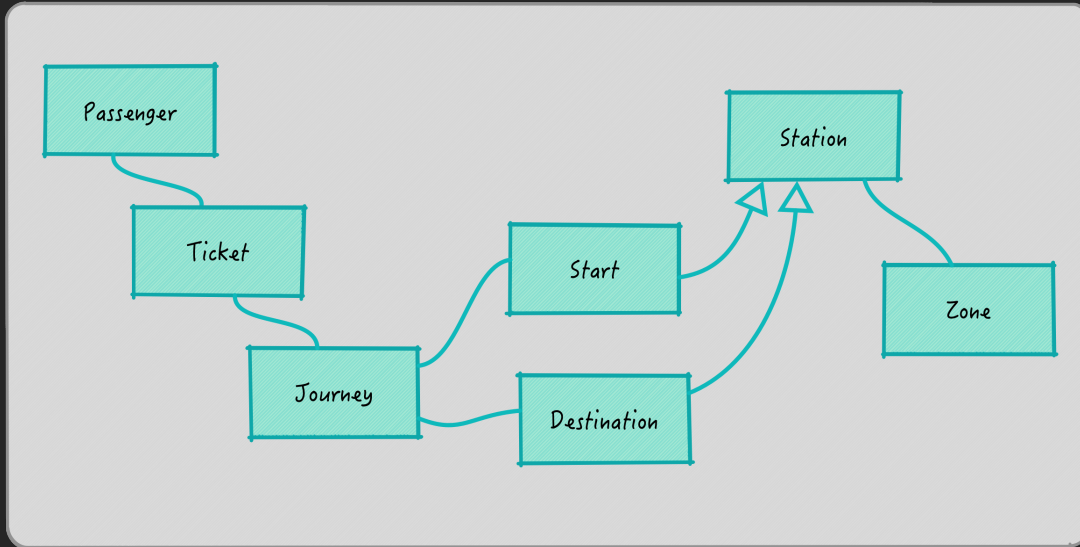


*A Domain Model is*

*expressed as diagrams, words, code*



# Expressed as a diagram



# Building domain knowledge

*"We have really everything in common  
with America nowadays except, of  
course, language"*

Oscar Wilde



# Ubiquitous Language



*Ubiquitous Language is*

*The agreed concepts, meanings and  
terms for the project*





*You have to talk!*



*Ubiquitous Language is*

*Foundational to implementing  
Domain Driven Design*



*In Domain-Driven Design*

*Everything revolves around  
Ubiquitous Language*



# Observations about creating a domain model



Focus effort  
where it matters



# Knowledge Crunching



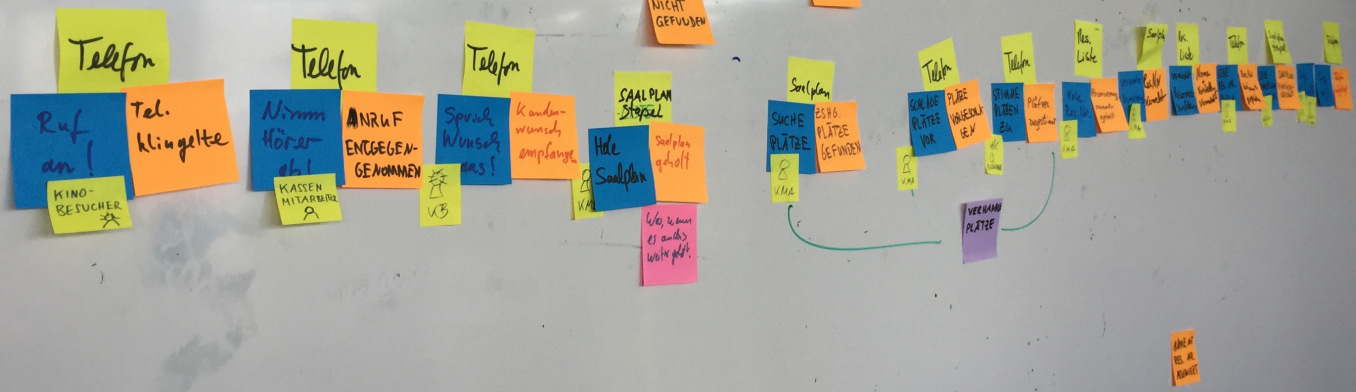
*Knowledge Crunching*

# Event Storming





Fun!



Sonderfällen?

*Knowledge Crunching*

# User Story Mapping





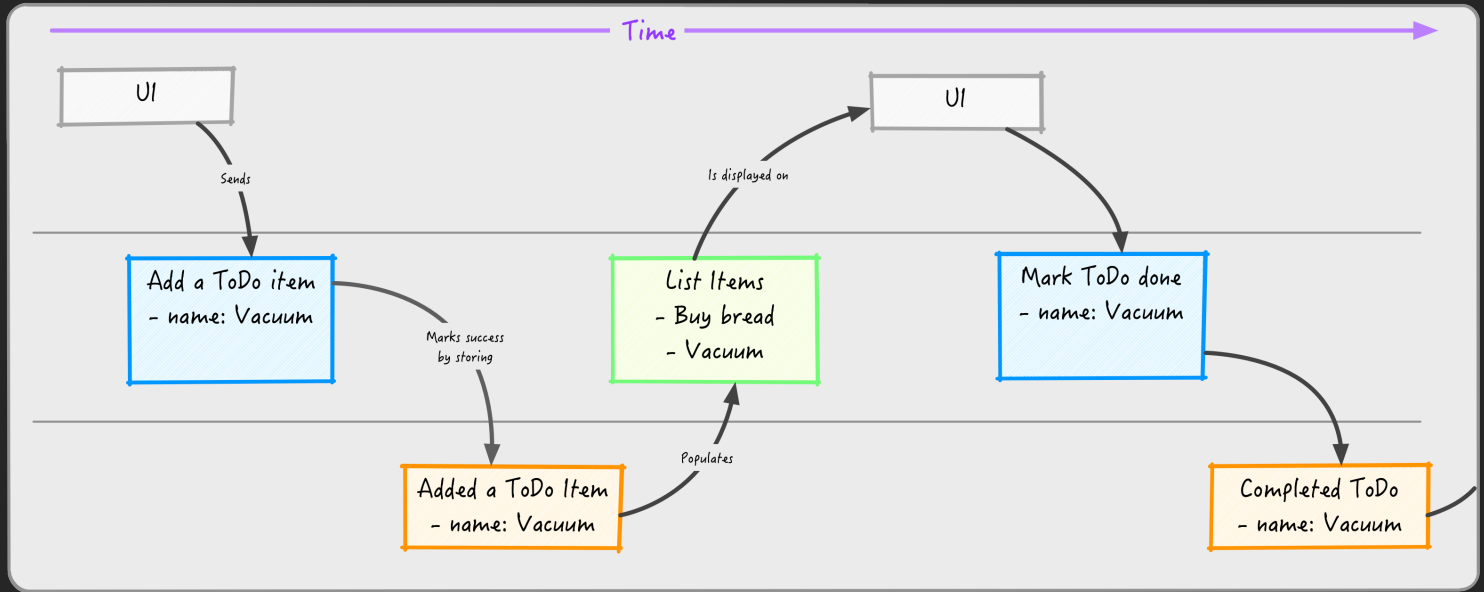


*Knowledge Crunching*

# Event Modelling



# Model change over time



# Managing Domain Complexity



# Bounded Contexts

*define the boundary for a model*





# Bounded Contexts

*protect the domain model from  
dilution*

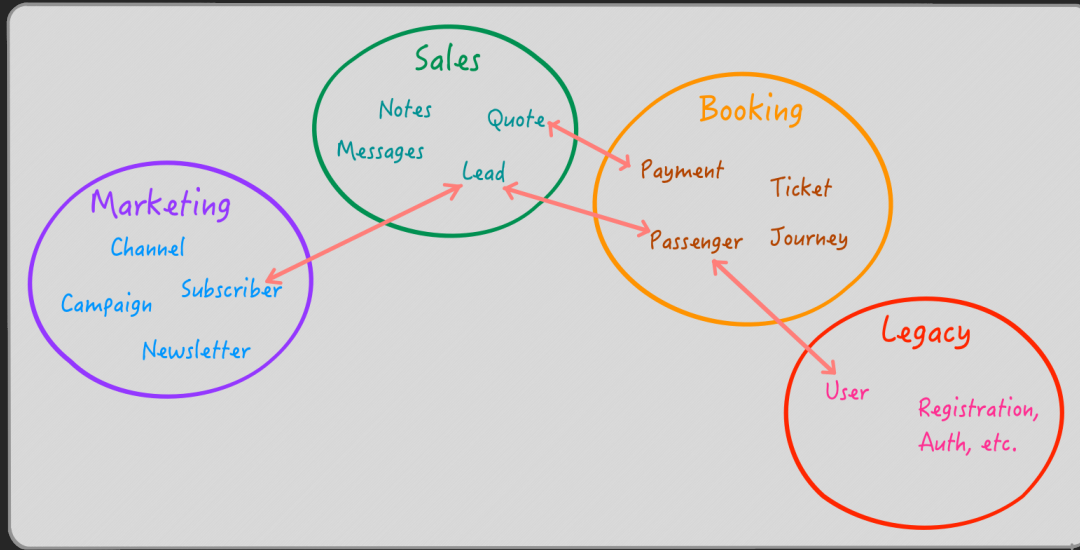


*Bounded Contexts*

*are composed into an application*



# Context maps



# To sum up



# To sum up



*"Domain-Driven Design is about creating shared understanding of the problem space that is reinforced ubiquitously via conversations, code and diagrams."*

Nick Tune



A scenic view of a lake, likely Lake Geneva, with several sailboats in the foreground and a city skyline in the background. The sky is clear and blue. The text "Thank you!" is overlaid in the center in a yellow, sans-serif font.

# Thank you!

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