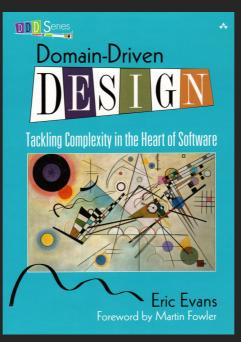
An introduction to Domain Driven Design

REP



It started with a book





Tackling Complexity in the Heart of Software



DDD provides for the Strategic and Tactical



Strategic Design

55

Domains & Models





Piccadilly line Anne Coldision Anne Coldesoil Anne Southyste Anne Southyste journey times in shart in - West Dier For timetable information. Insiela including first and last train times: Download the TfL Go app • Visit tfl.gov.uk/timetables Scan the OR code below hins run every 3-5 minutes If minutes in outer area by most of the day" "Libridge branch trains run at up to 21 minute intervals THE R Early morning and late night trains may run less frequently. Net N

THE CONTRACT

Holborn station

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

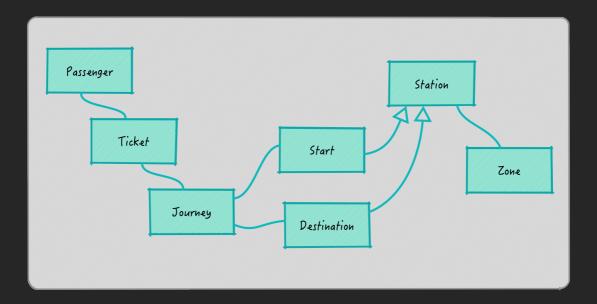


A Domain Model is

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





Event Storming





User Story Mapping



By Dai Fujihara - CC BY-SA 2.0

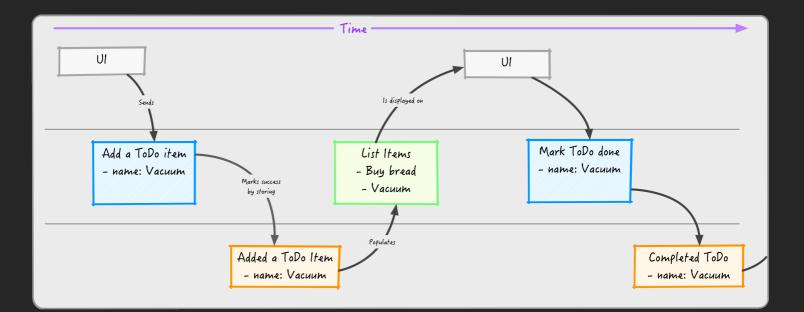
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States

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

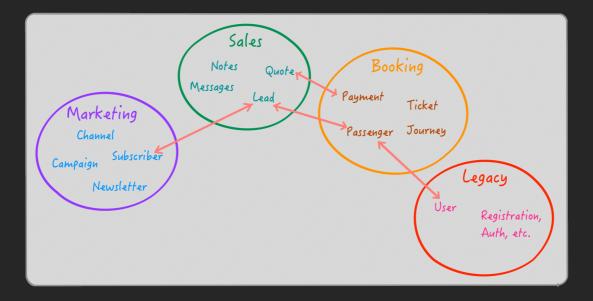


Bounded Contexts

are composed into an application



Context maps



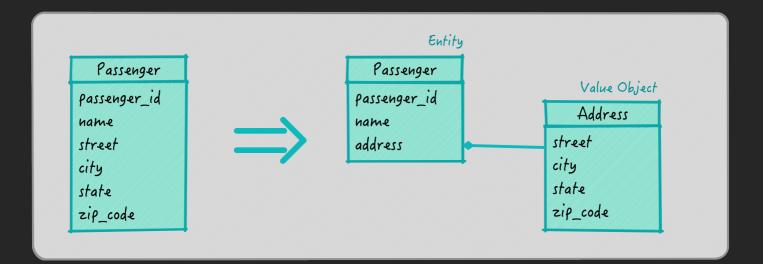




Entities, Value Objects & Aggregates



Entities & Value Objects





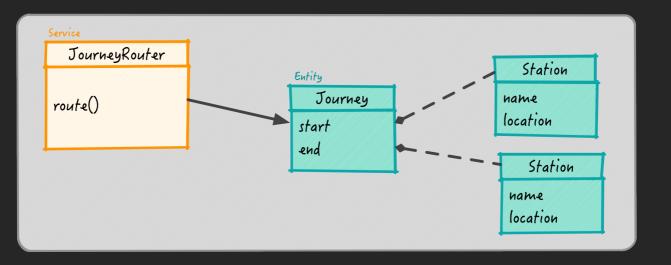
Storing State







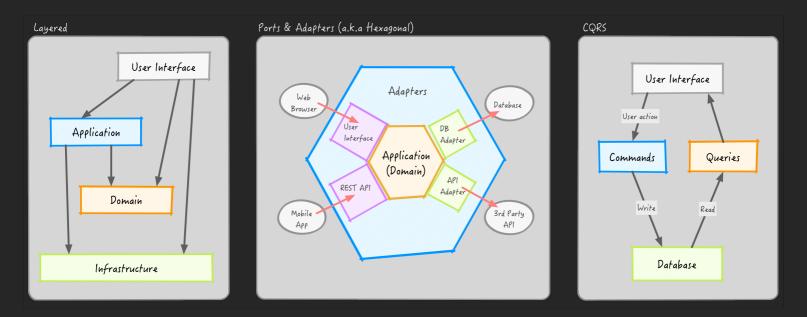
Services



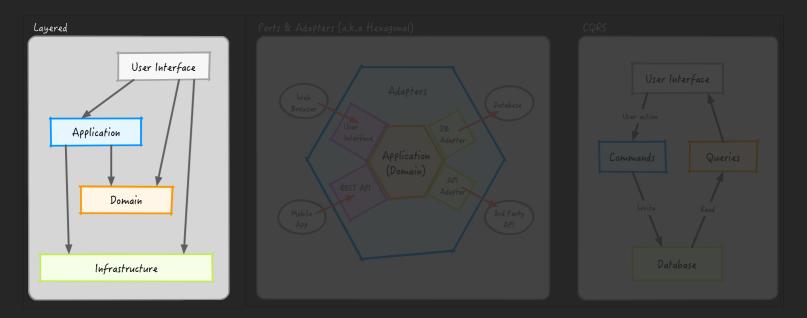


Architecture

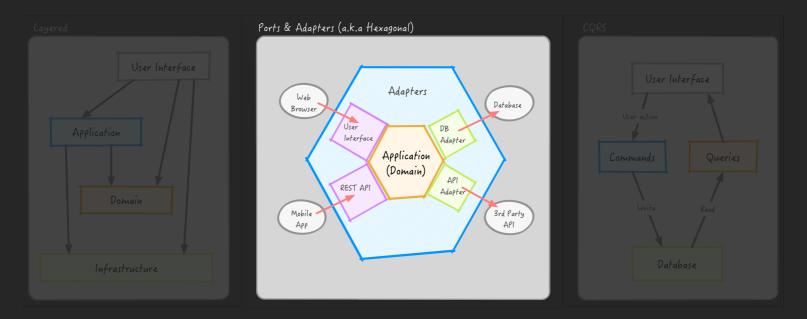


















To sum up



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



Thank you!

Rob Allen | @akrabat | social.akrabat.com/@rob

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