

Functional Organization



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Overview



Screaming Architecture

Functional vs. Categorical

Pros and Cons

Demo



“The architecture should scream
the intent of the system!”

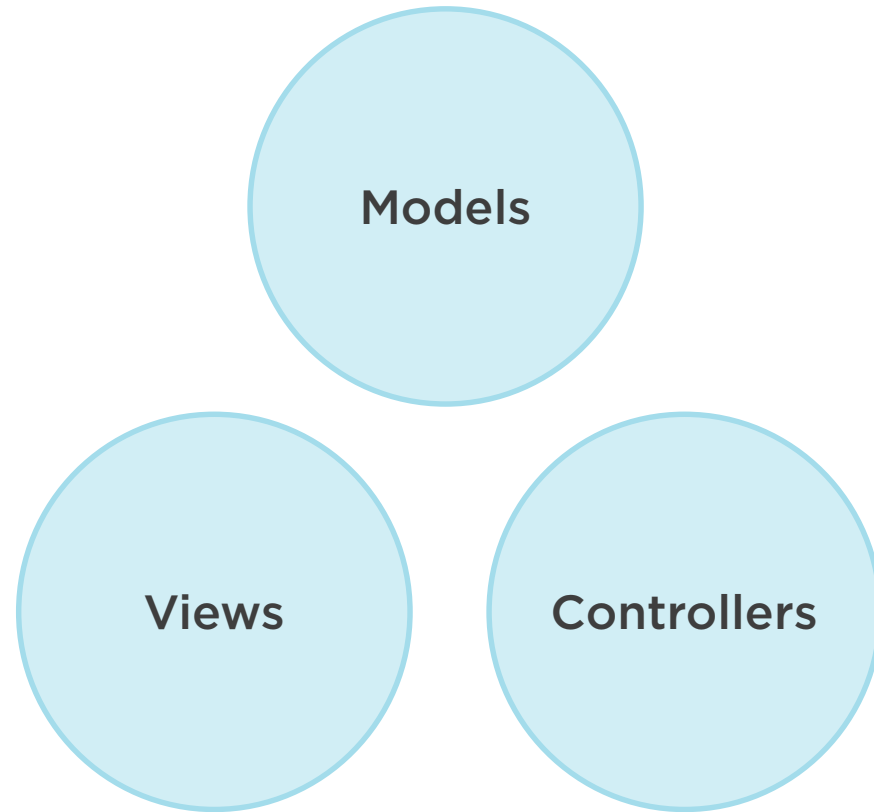
– Uncle Bob



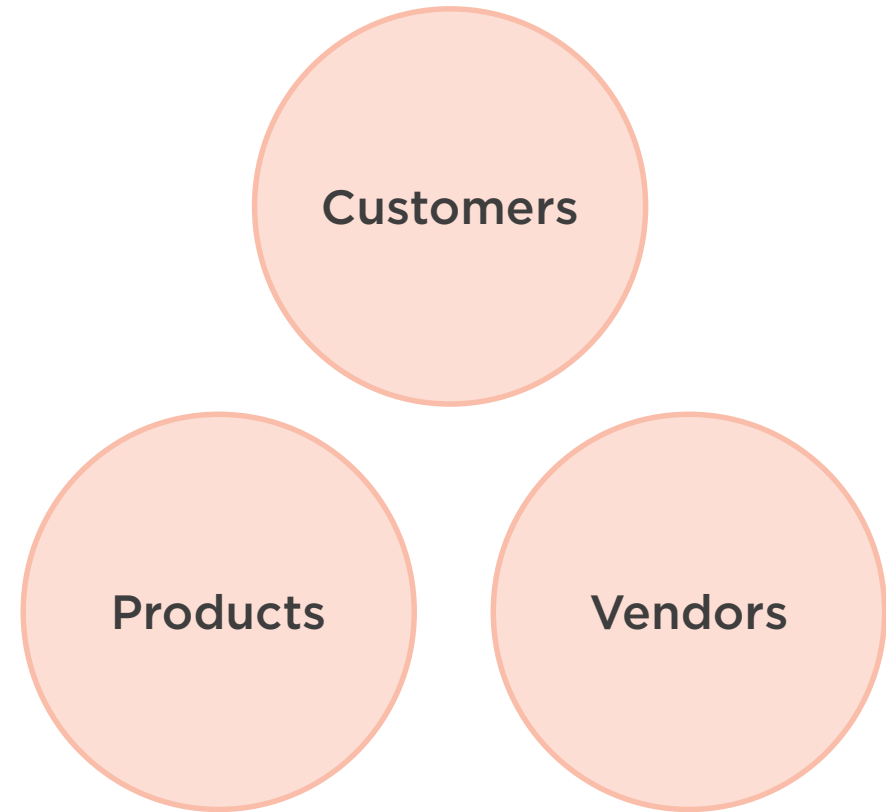


Material	Quantity	Cost
Appliances	5	\$5,000
Cabinets	10	\$2,500
Doors	15	\$750
Fixtures	12	\$2,400
Floors	9	\$4,000
Walls	20	\$10,000
Windows	8	\$2,500





VS





Content



Controllers



Models



Scripts



Views

vs



Customers



Employees



Products



Sales



Vendors



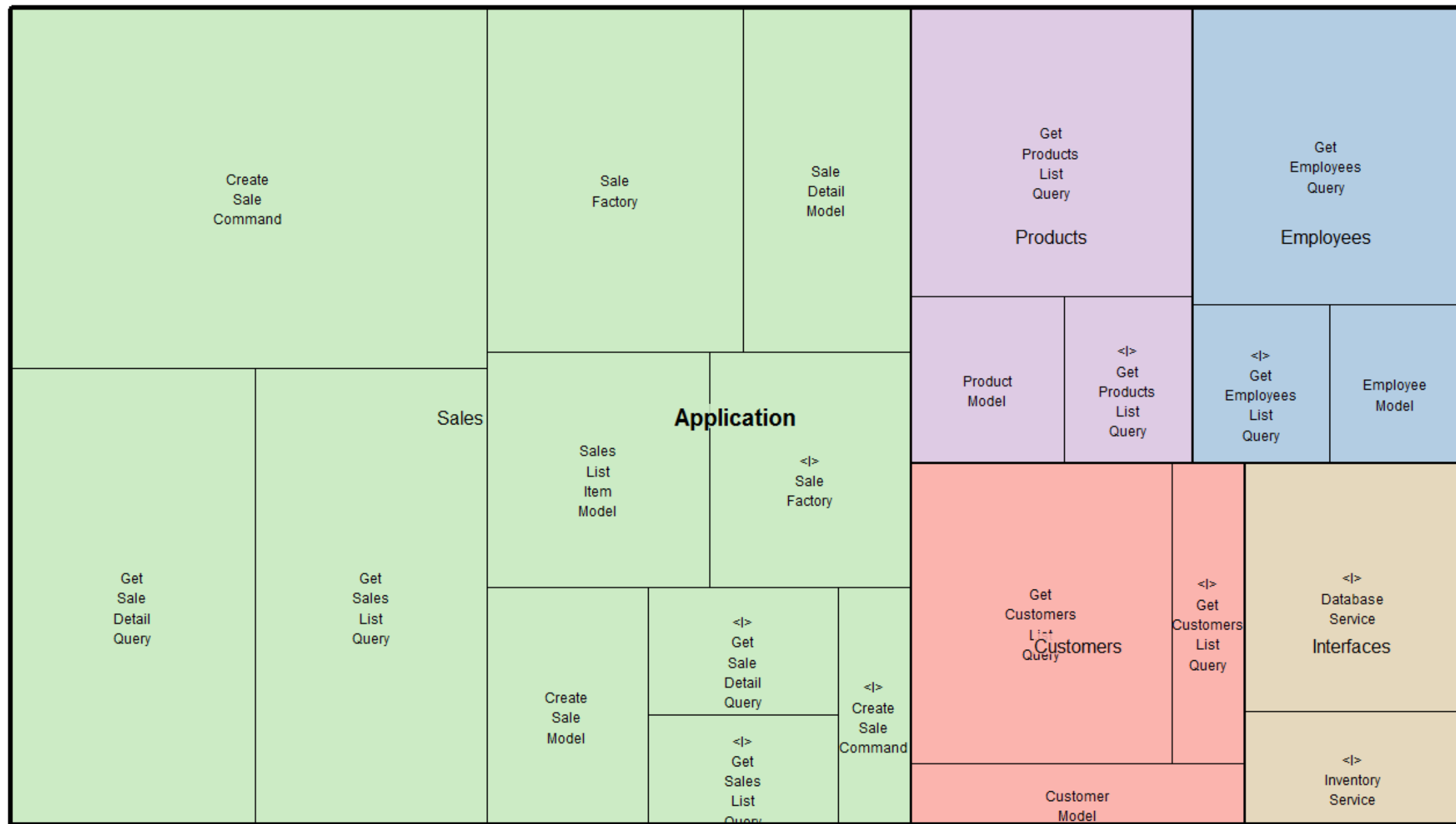
So what?

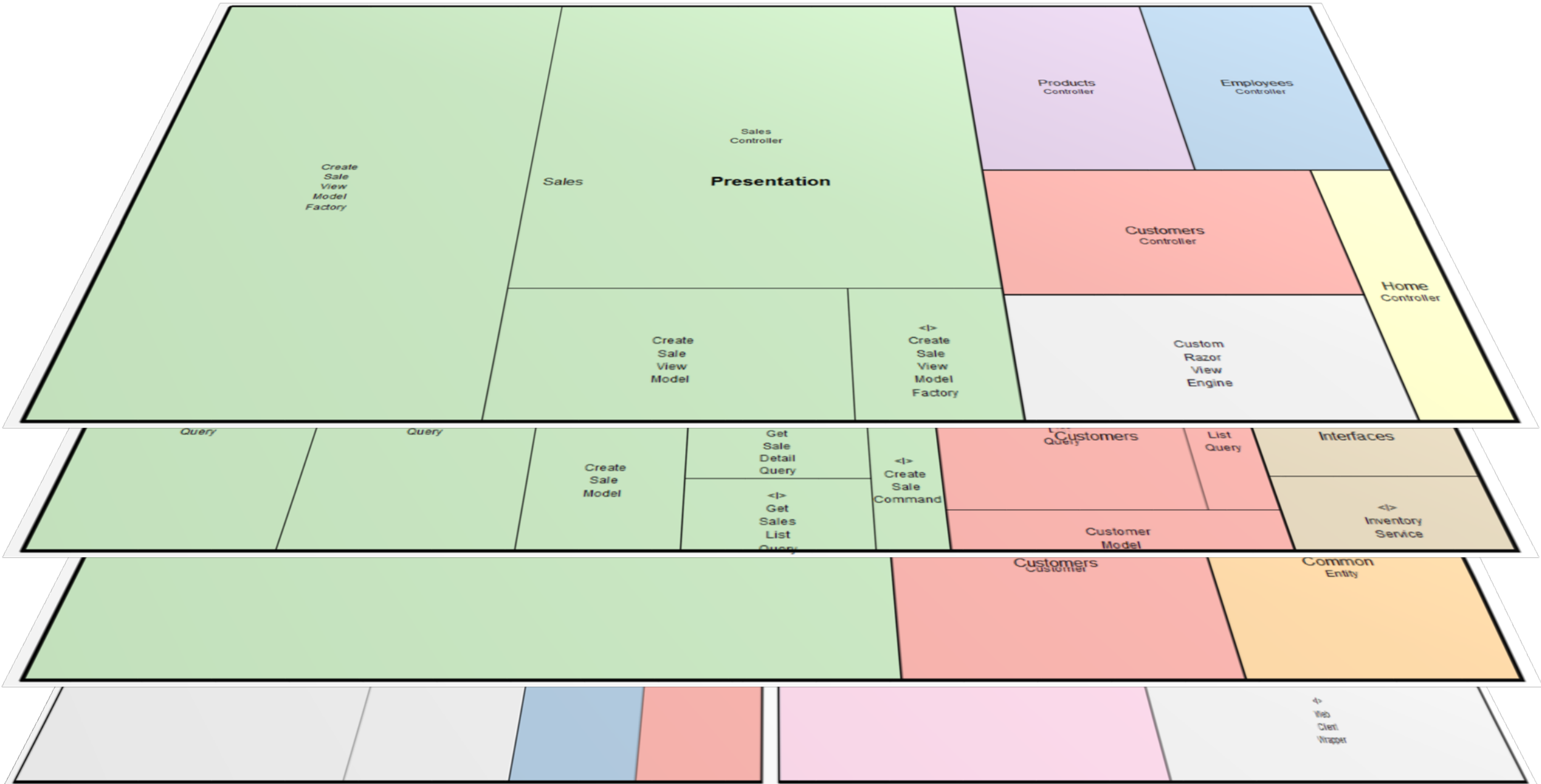




VS







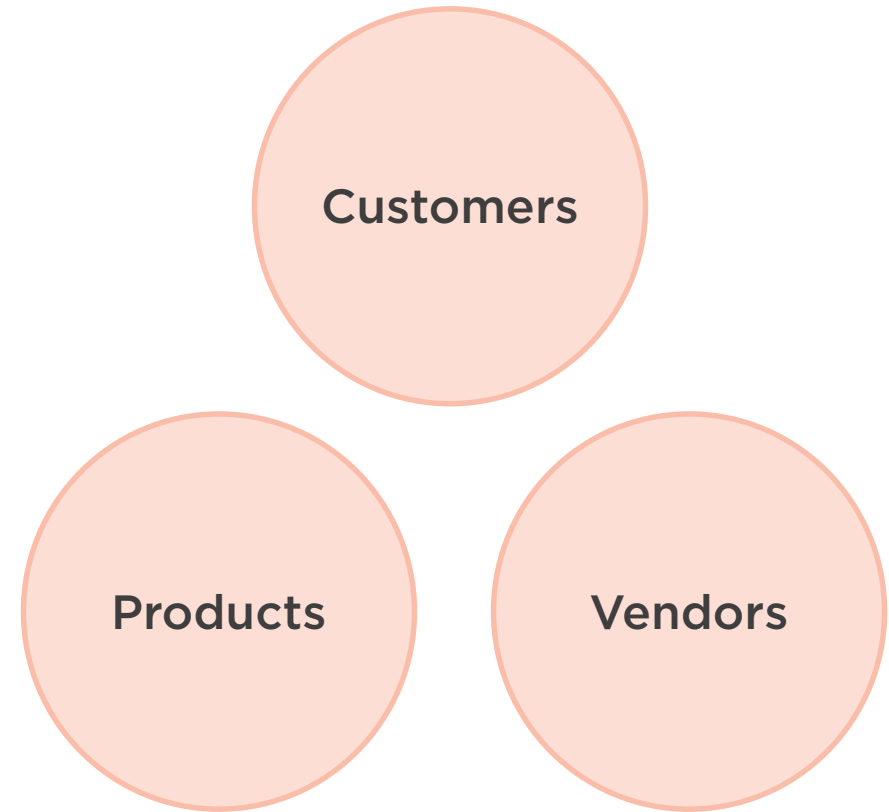
Why Use Functional Organization?

Pros

Spatial locality

Easy to navigate

Avoid vendor lock-in



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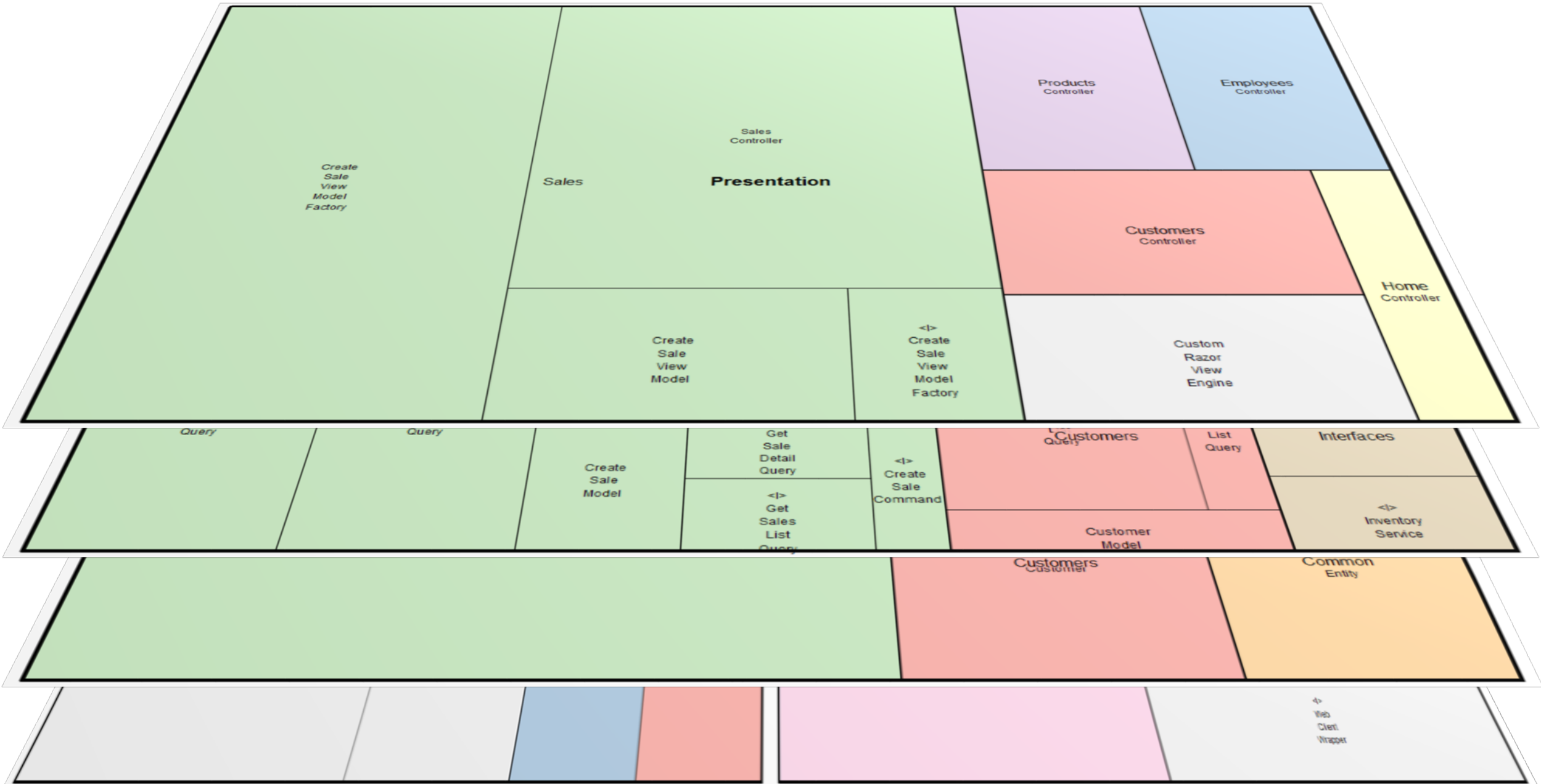
Cons

Lose framework conventions

Lose automatic scaffolding

Categorical is easier at first





Mock
Mocks
Set
Extensions

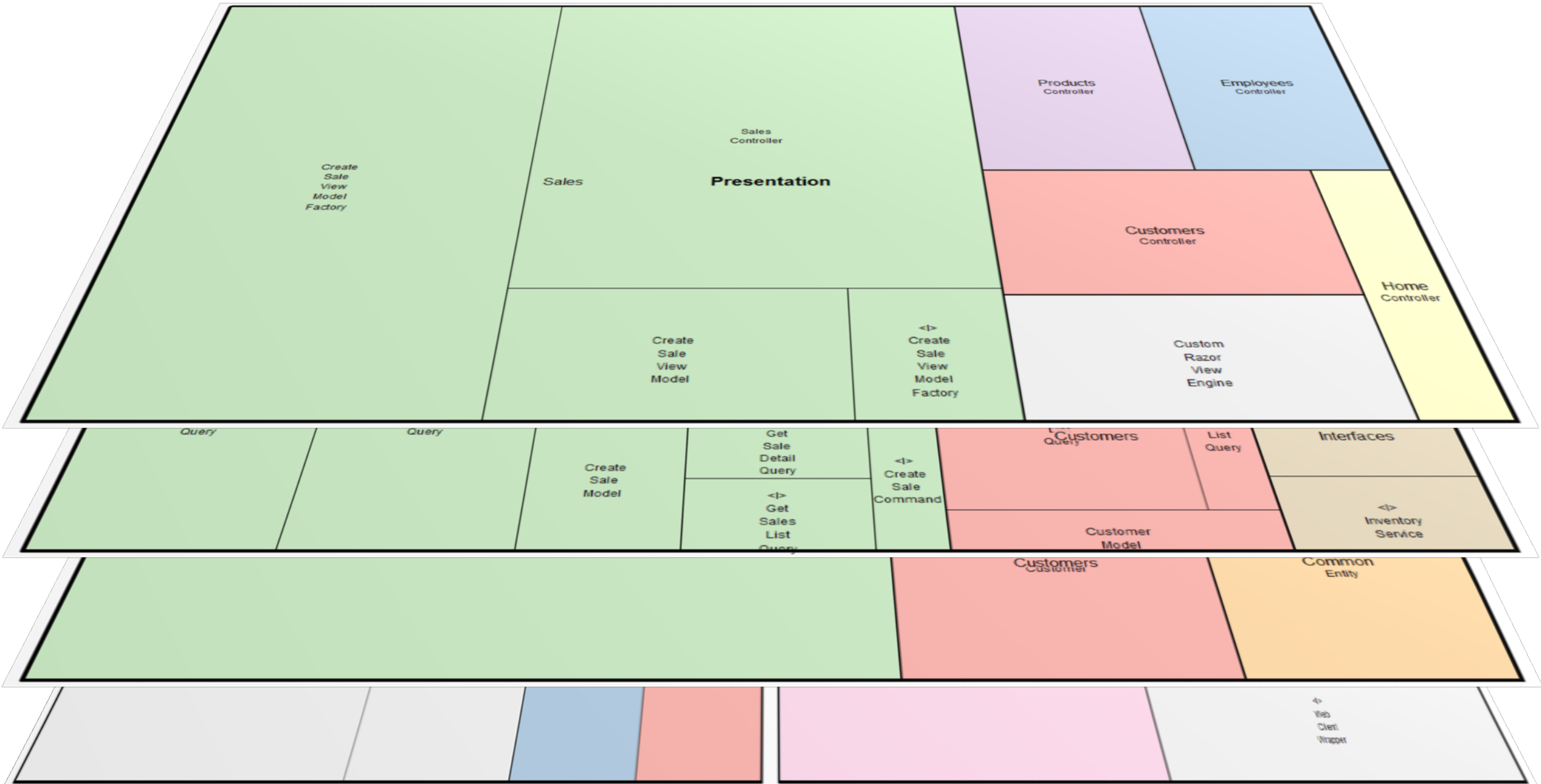
Common

Date
Service

Dates

<|>
Date
Service





Show Presentation Project



Show Application Project



Show Domain Project



Show Persistence Project



Show Infrastructure Project

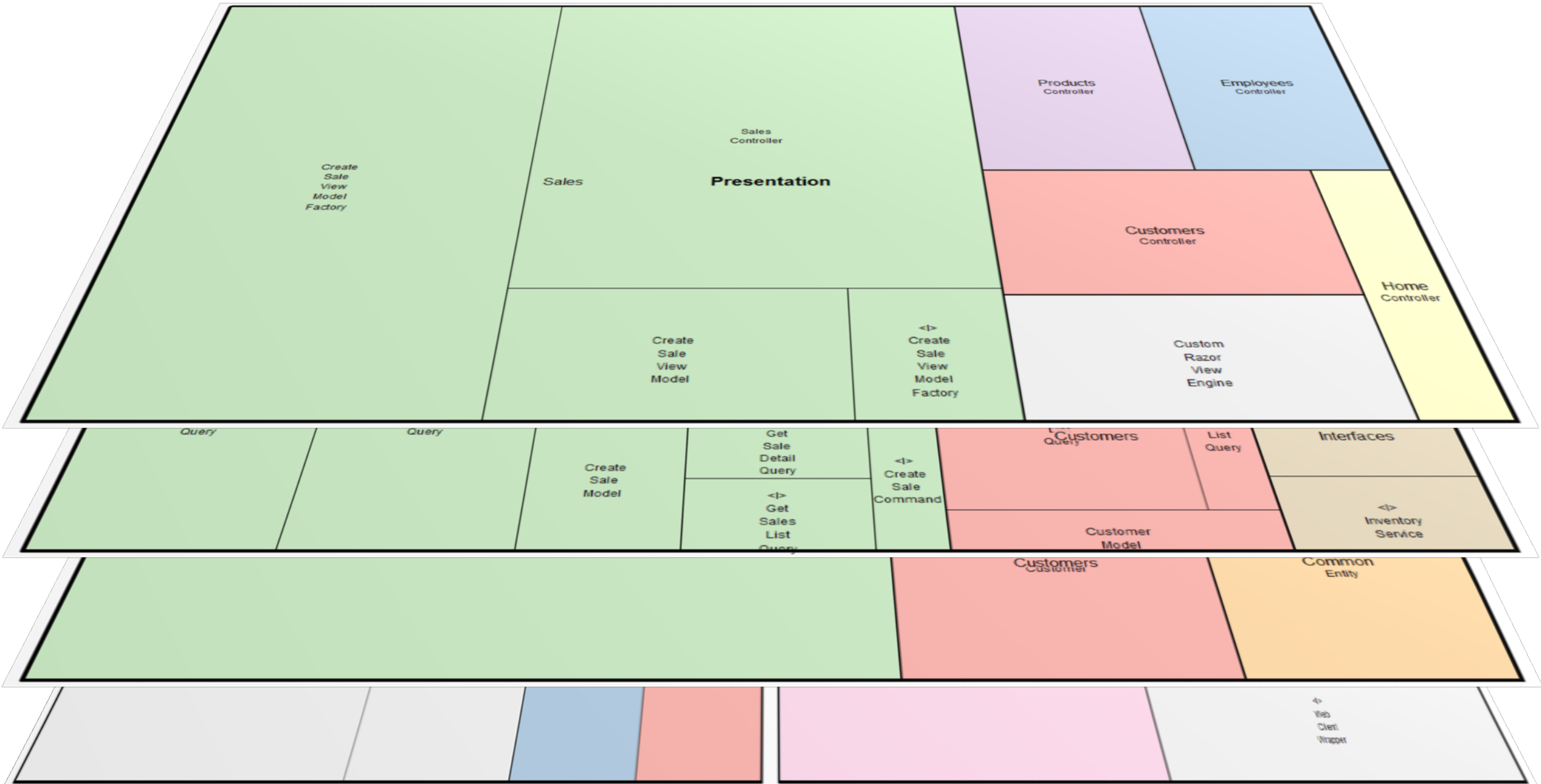


Show Cross-Cutting Concerns



Specifications





Summary



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