Sustainability

- Lowest possible maintenance &

Expansion costs

Effect of rechnical Debt

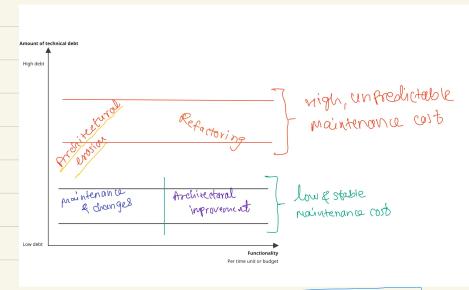
-> Types of feehnical debt

-> Architectural exosion

> Increasing Mointenance cost

- Retactoring

The system is a big ball of mud



Relactoring is key

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•	Solve problem	,					
•	Write code &	<u> </u>					
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	coupling		al levels		consistent		
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Layering as an architectural si	tyle					
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with modularity against technical de bt						
Modulani to						
Modelan ty						
-> righ cohesion + loose coupling						
-> Separation of concerns						
-> Single responsibility pri	nciples					
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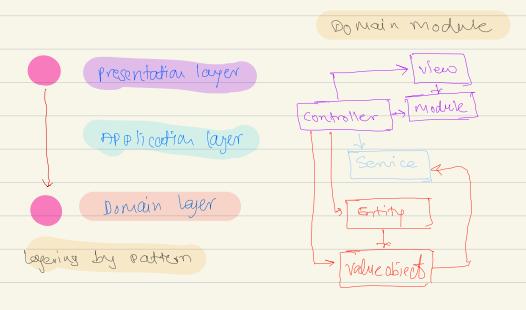
Design patterns

tactory pattern is mean to create entities of value objects.

Business object design

Entities Value object

Layering by patterns



cycles create Jechnical Debt

> Helper Methods are considered as utility, - Helper is a very fuzzy design pattern of the name Sounds so Warmkels-

Architecture Periews

Status Refermination

- -comprehensive reviews or audits of
 - 3/W systems, detabases & interfaces - Development Grocesees

 - orani sation
 - Borald search
 - Intervious with involved stake holders

- structure & processes of the ST

- metocs & analysis tooks

modularity materity Index (MMD)

