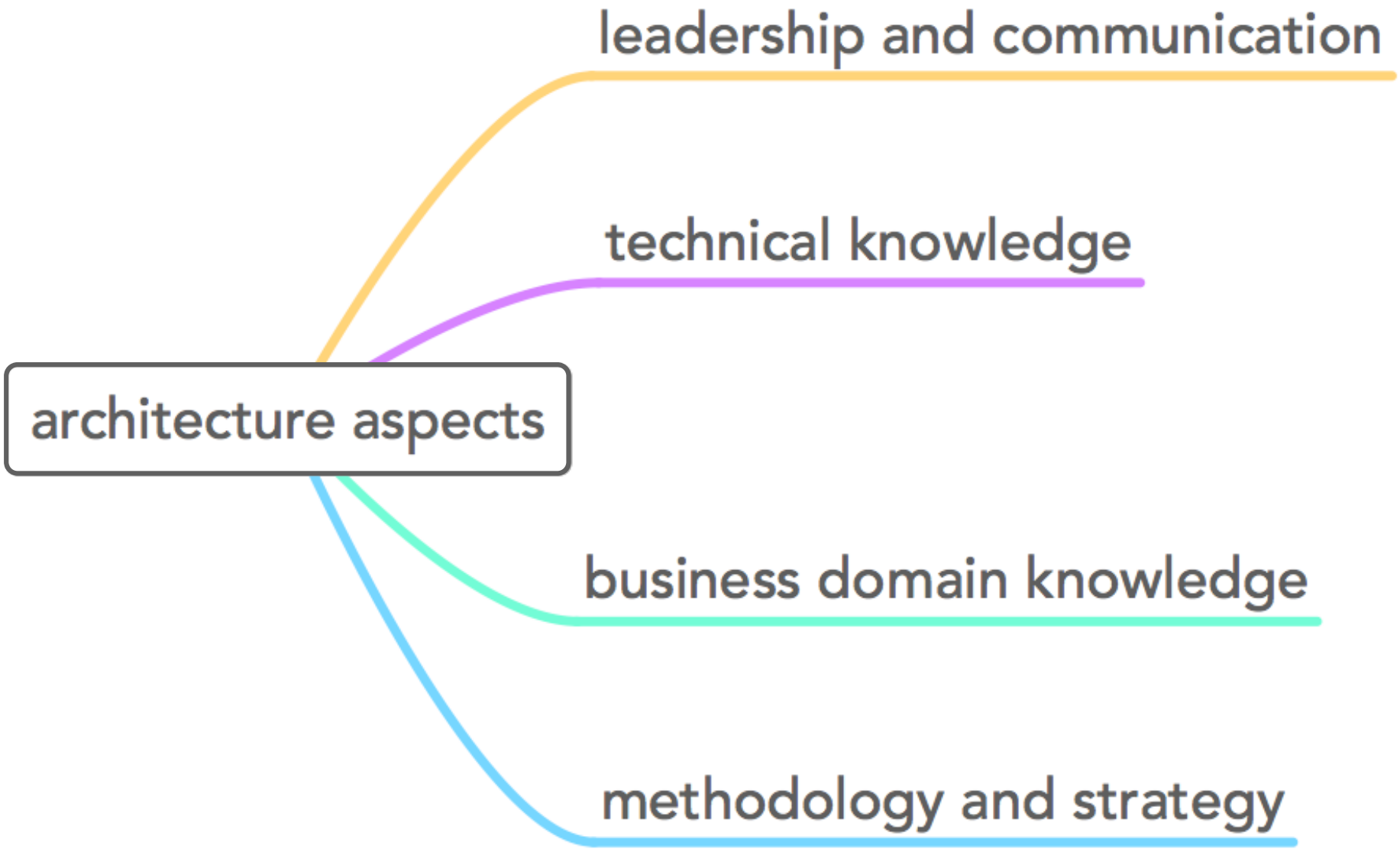
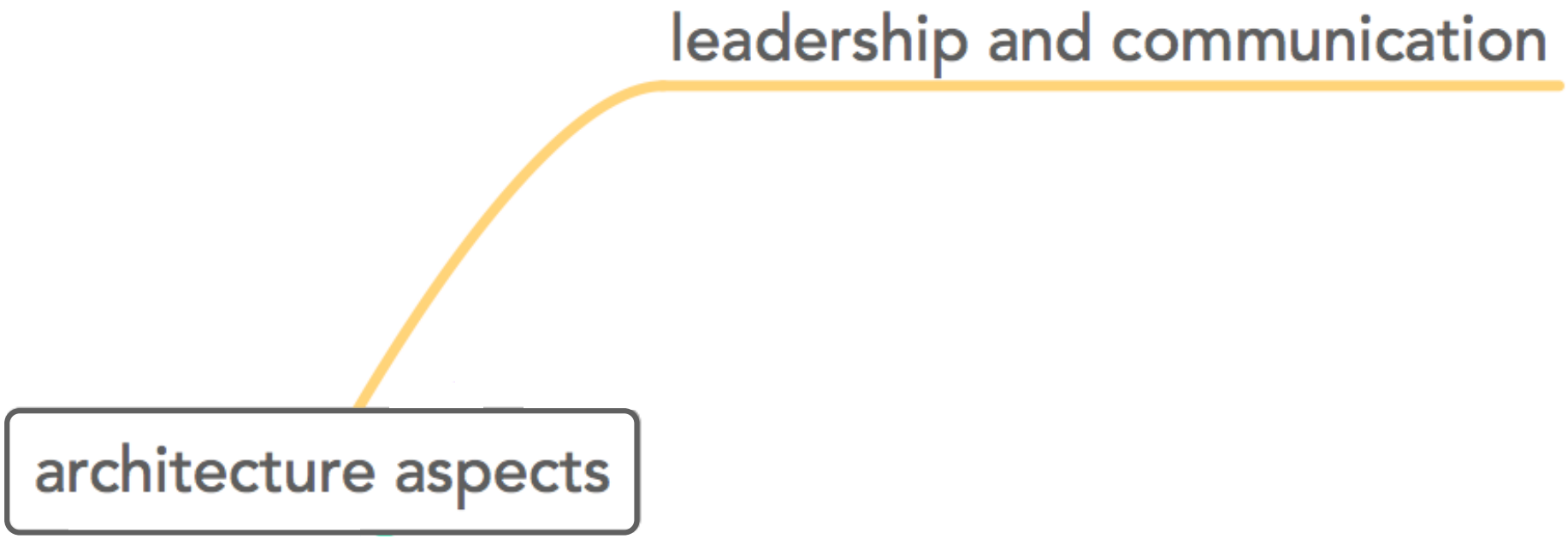
Architecture Soft Skills Part 2

architecture soft skills



leadership and communication



leadership and communication

three c's of architecture

leadership and communication

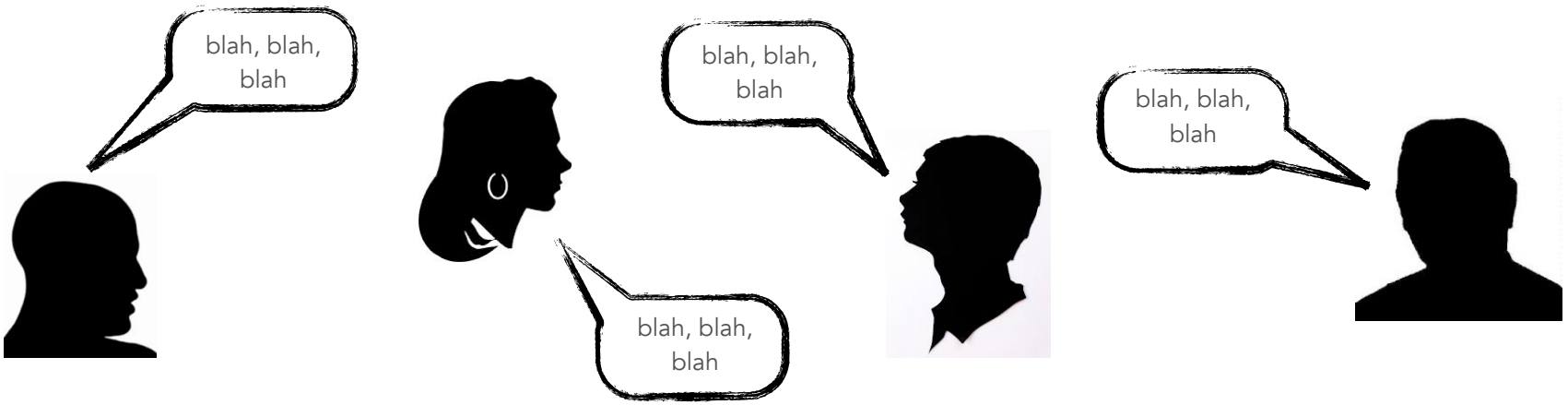
communication

effectively communicate ideas, concepts, issues, and solutions to stakeholders

leadership and communication

collaboration

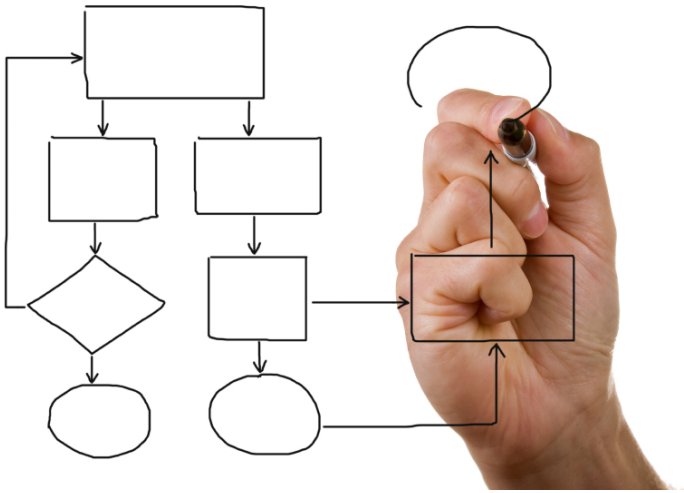
get stakeholders involved in the architecture process and solicit ideas and feedback early and often



leadership and communication

clarity

articulate the architecture solution in clear and concise terms as appropriate to each stakeholder



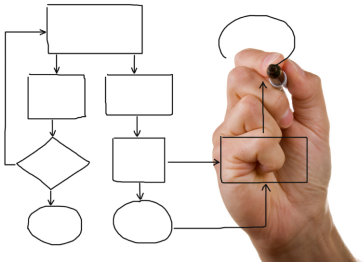
leadership and communication

translation skills

leadership and communication

translation skills

"our business is constantly changing to meet new demands of the marketplace"

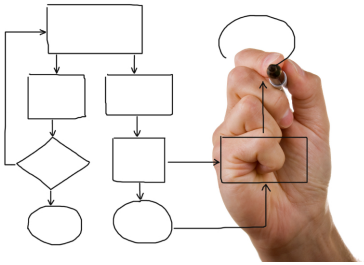


extensibility, maintainability, agility

leadership and communication

translation skills

"due to new regulatory requirements, it is imperative that we complete end-of-day processing in time"

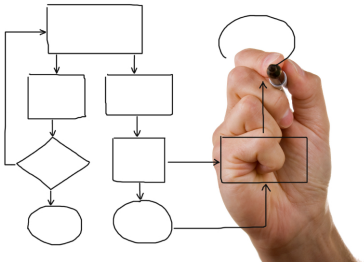


performance, scalability

leadership and communication

translation skills

"we need faster time to market to remain competitive"

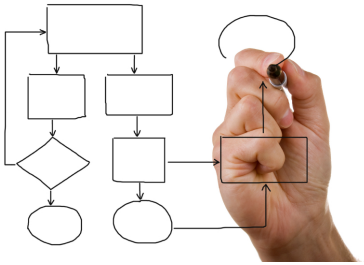


maintainability, agility

leadership and communication

translation skills

"our plan is to engage heavily in mergers and acquisitions in the next three years"

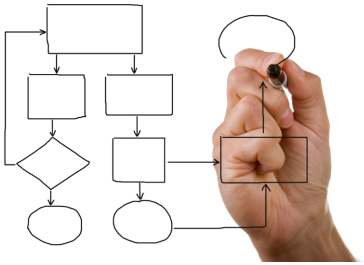


scalability, extensibility, openness, standards-based, agility

leadership and communication

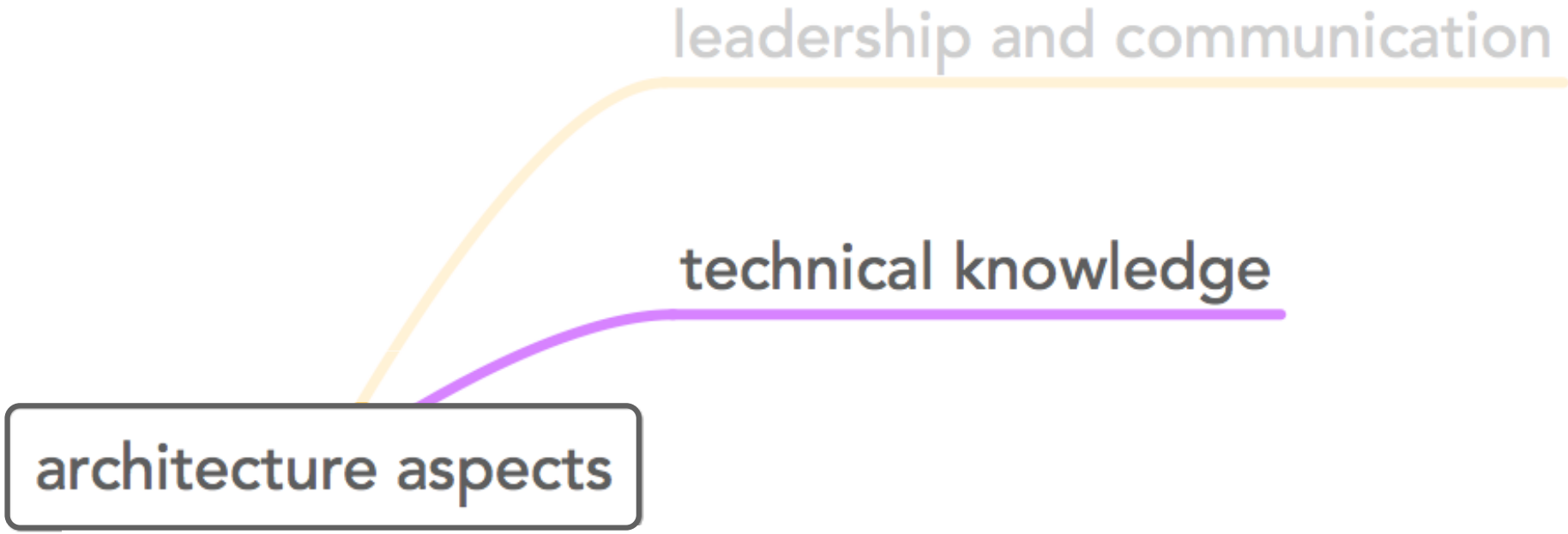
translation skills

"we have a very tight timeframe and budget for this project"

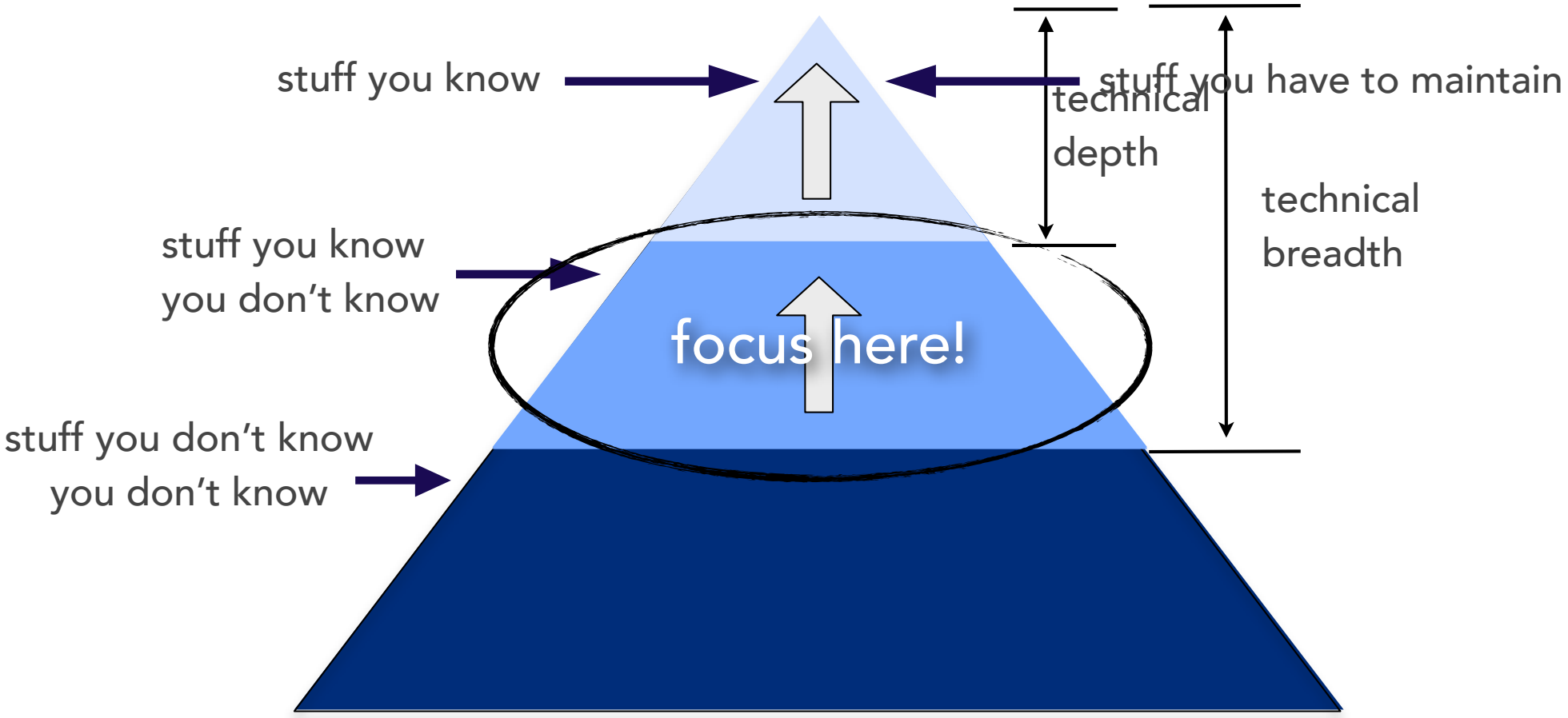


feasibility

technical knowledge



technical knowledge



technical knowledge

multi-platform knowledge

Java

as a … every solution

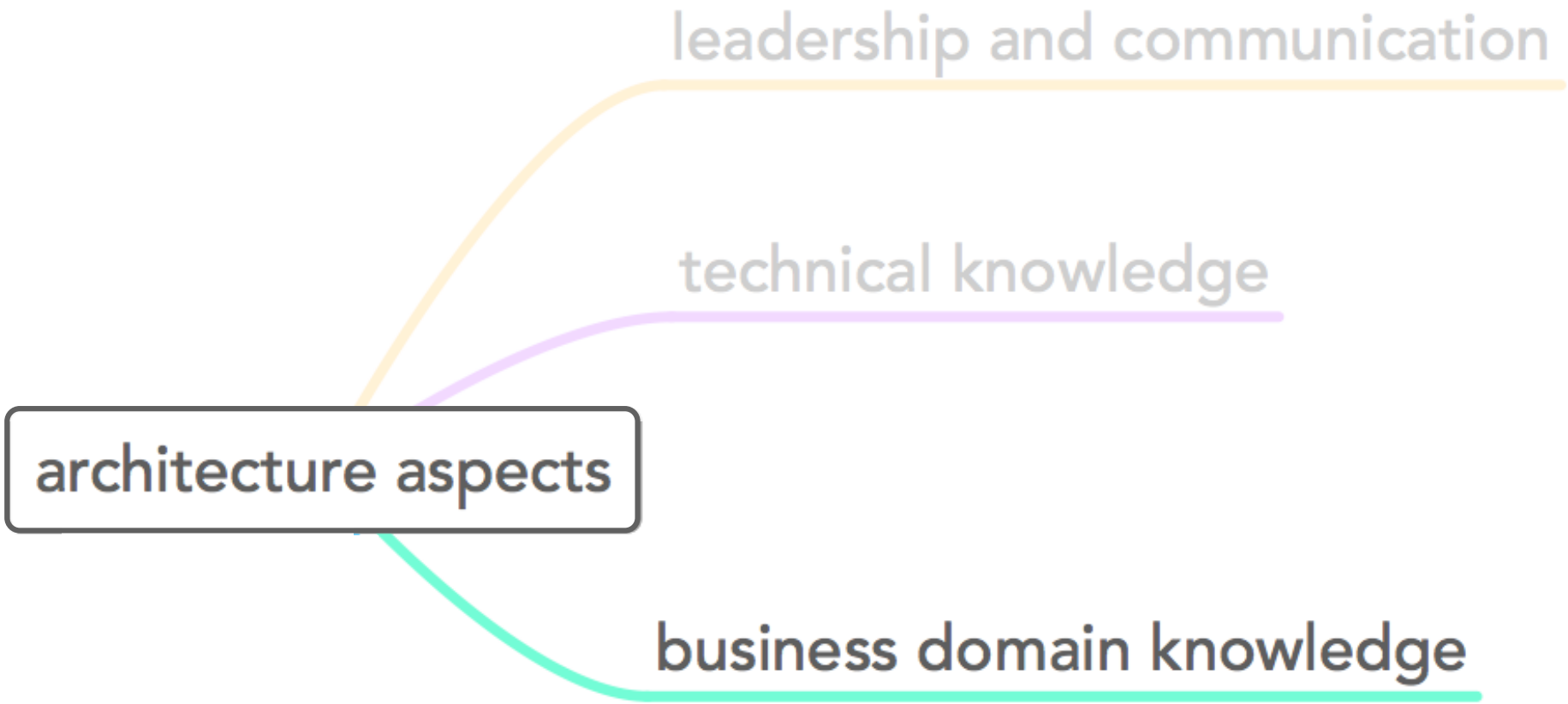
you … ution

Microsoft .net

as a … ery solution

you … on

business domain knowledge



business domain knowledge

how important is it that an architect understand the business?

business domain knowledge

derivative

EBT

voir dire

rates rally

swaps

average directional index

captives

non-priority debt

market cap

c-share variable annuities

binder

aleatory contract

business domain knowledge

why knowing the business is critical

communicate better with the business

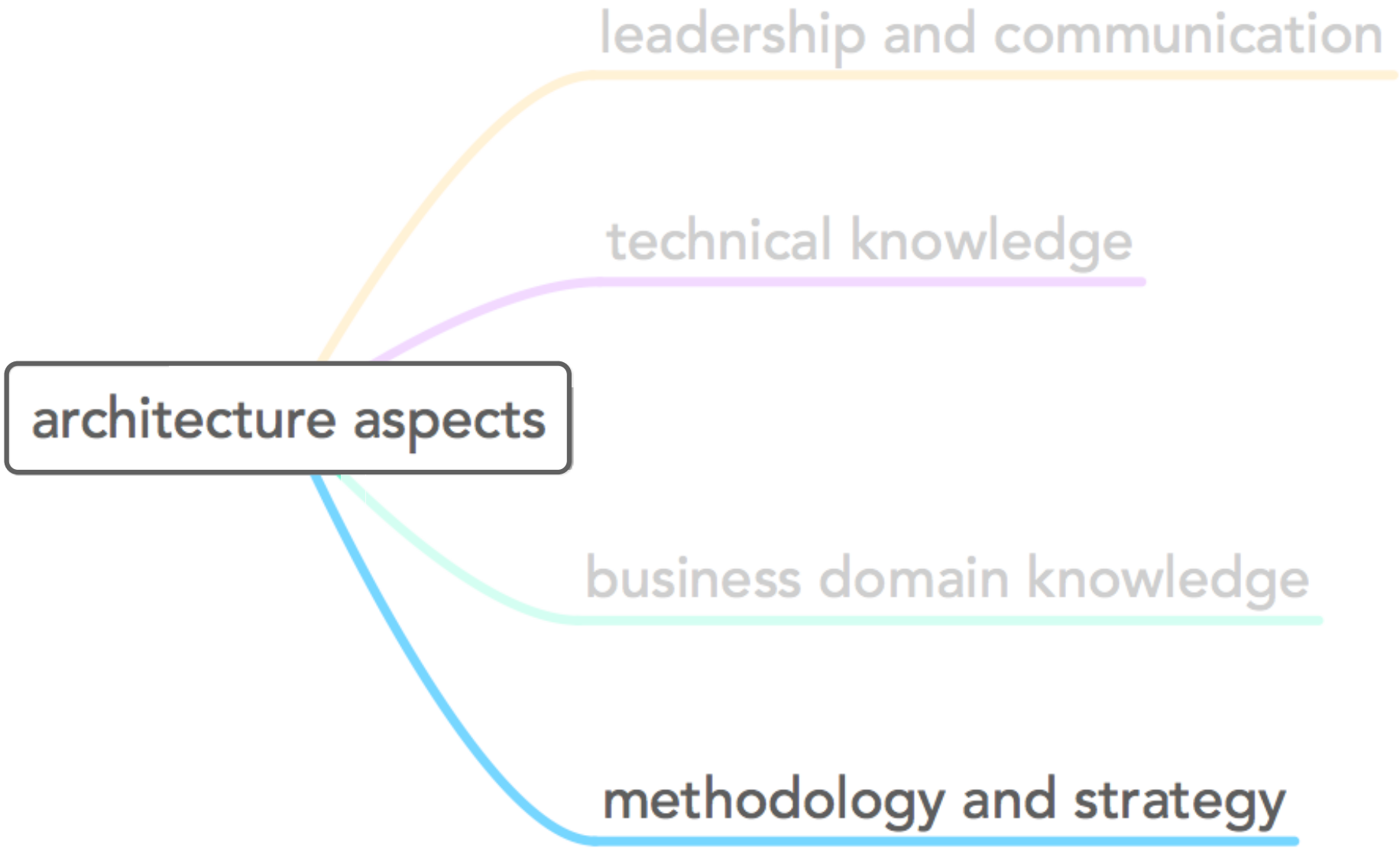
better understand business goals, issues, and trends

gain trust by speaking the business language

design the system to better handle future changes

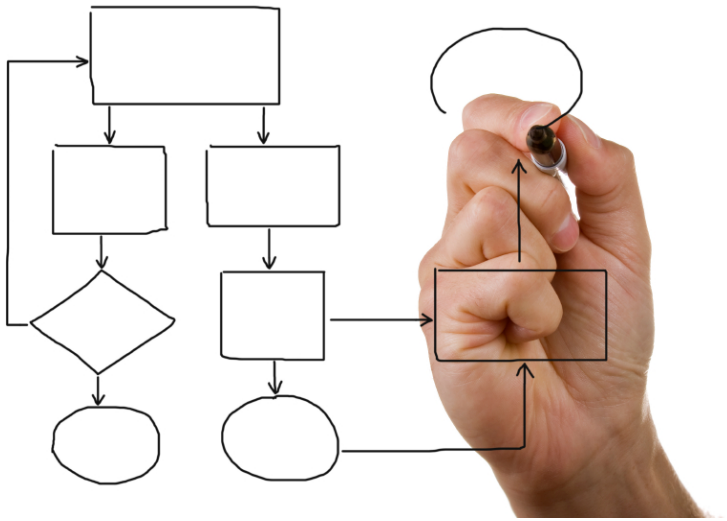
better determine the correct architecture pattern

methodology and strategy

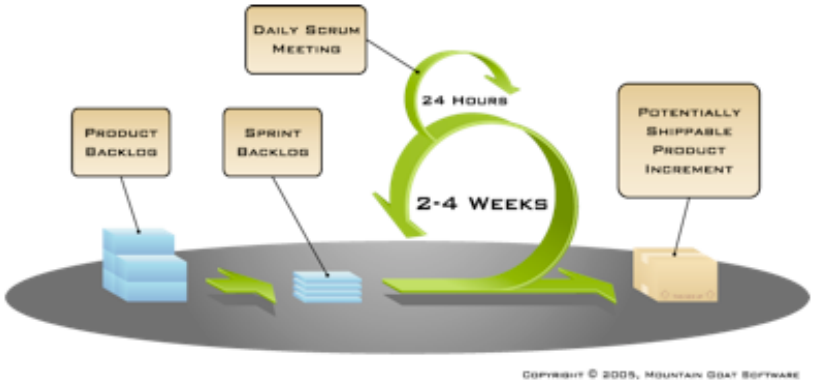


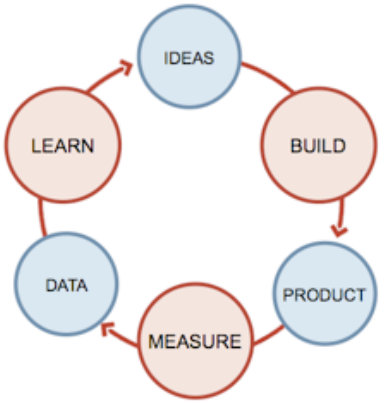
methodology and strategy

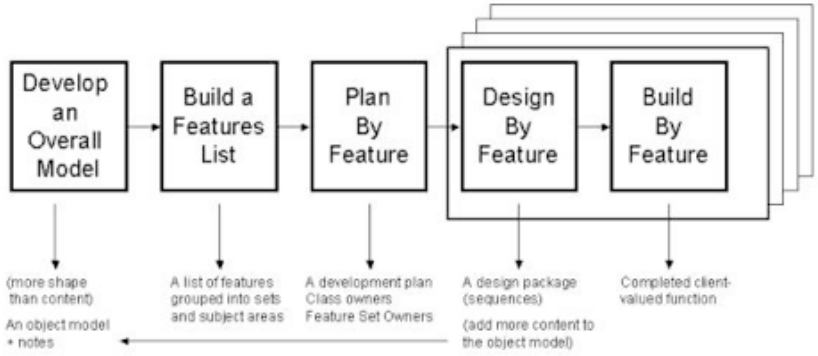
once you know *where* to go,
how do you get there?

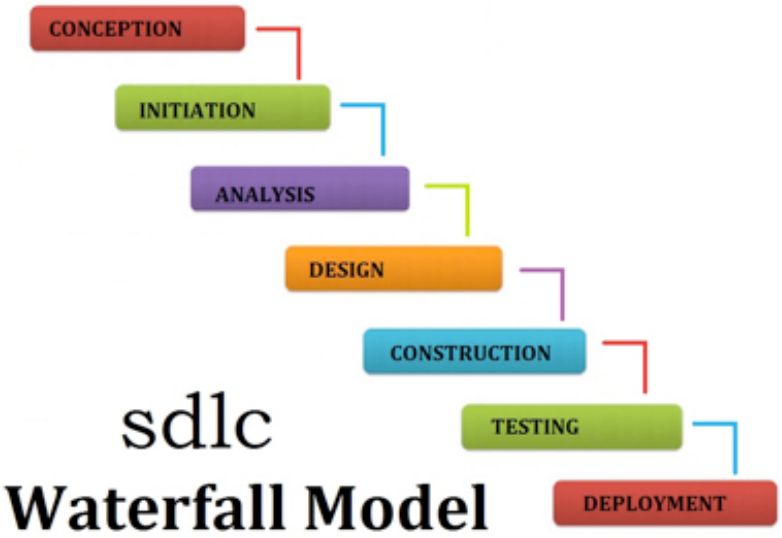


methodology and strategy







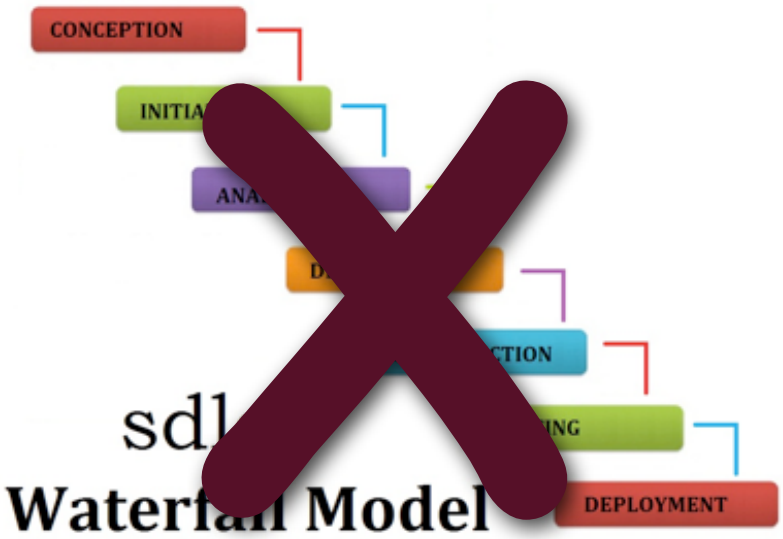


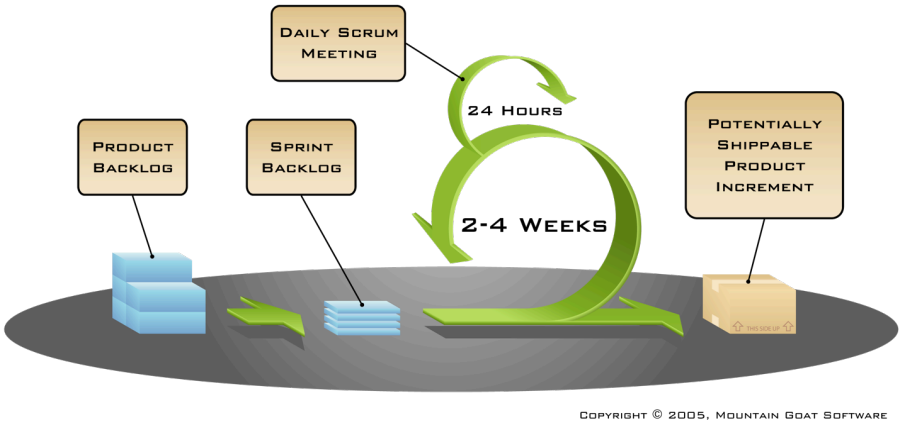
methodology and strategy

incomplete requirements

you expect a lot of change

tight budget and timeframe



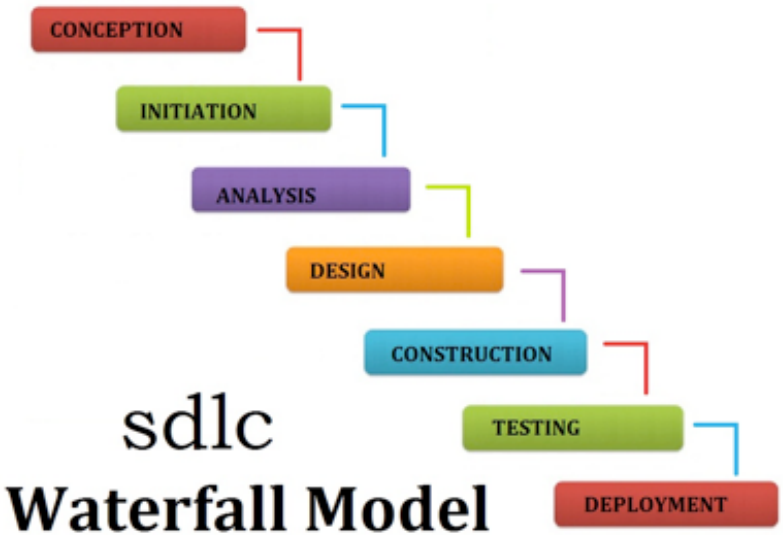


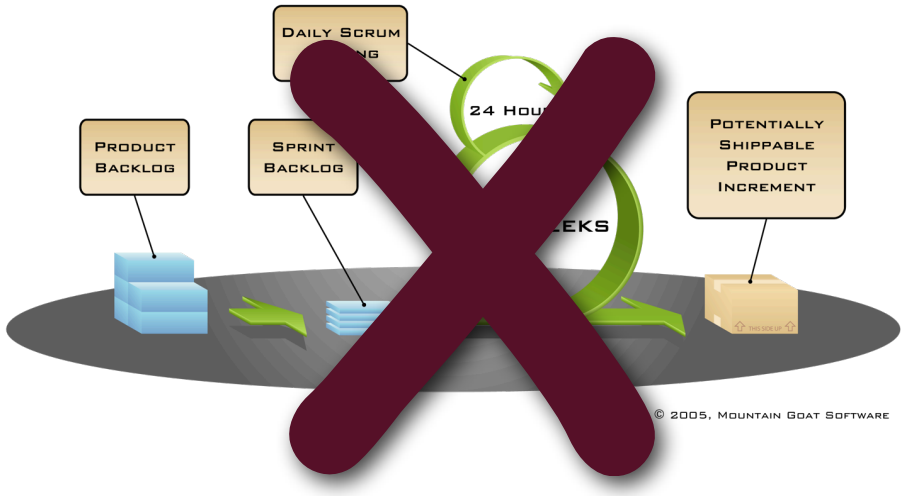
methodology and strategy

large and complex project

multiple remote teams

integrated maintenance

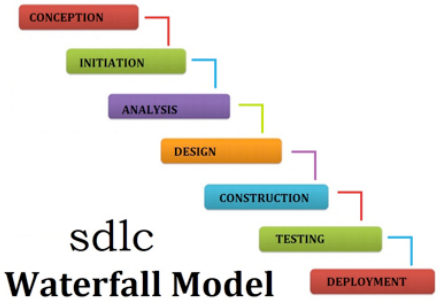


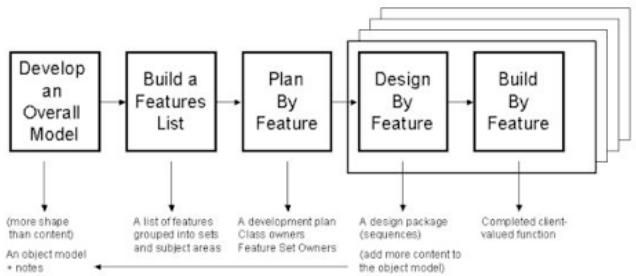


methodology and strategy

try to create a hybrid to
strike the right balance

FDW
Feature-driven
Waterfall

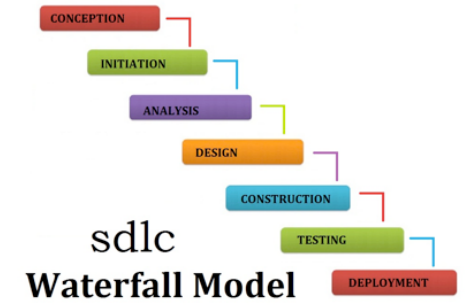


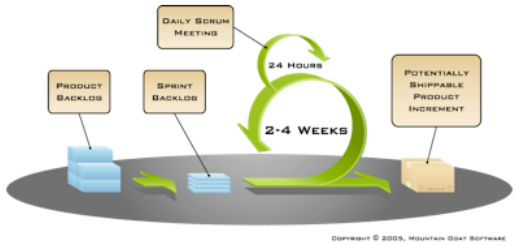


methodology and strategy

try to create a hybrid to
strike the right balance

WaterScrum

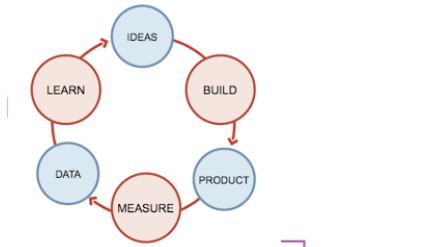


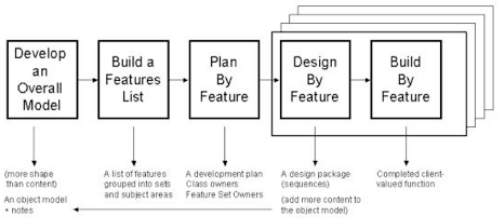


methodology and strategy

try to create a hybrid to
strike the right balance

Lean-driven
WaterScrum

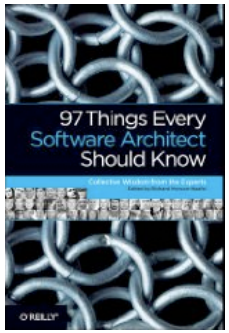




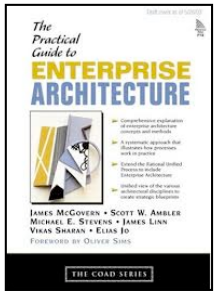
methodology and strategy

regardless of what you do,
as an architect you have to
make it work!

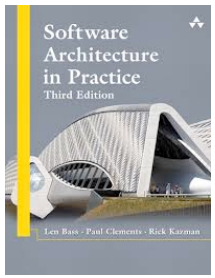
for more information



97 Things Every Software Architect Should Know,
Monson-Haefel et.al, O'Reilly



A Practical Guide to Enterprise Architecture,
McGovern et.al, PTR



Software Architecture in Practice 3rd Edition,
Bass et.al, Addison Wesley

?’s

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