

Use Case Driven Story Development

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Agenda

- The Problem we need to solve
- The Scenario we'll work with
- Analysis as a Group
- Q&A
- Retrospective

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Main Problems in Software

- According to the Standish Group, the following Table represents the primary success/failure criteria for Software Projects

SUCCESS CRITERIA	POINTS
1. User Involvement	19
2. Executive Management Support	16
3. Clear Statement of Requirements	15
4. Proper Planning	11
5. Realistic Expectations	10
6. Smaller Project Milestones	9
7. Competent Staff	8
8. Ownership	6
9. Clear Vision & Objectives	3
10. Hard-Working, Focused Staff	3
TOTAL	100

- Most of these are ProductOwner and CustomerTeam issues

The Scrum Team's Problem

- Build the “right system” the “right way”
- The ProductOwner controls the “right system” part
- The Team controls the “right way” part

Product Owner Responsibilities

- Understands the Stakeholder's needs and manages the ROI
- Drives the Development Team at a Sustainable Pace
- Determines Acceptability and Releasability of the System

WIBNI

- **Wouldn't It Be Nice If**
 - The developers understood the domain well enough to just “get it right”
 - The ProductOwner actually knew what the Stakeholders need/want
 - The ProductOwner understood the technical domain well enough to get “down in the weeds” with the developers
 - We had full-time access to Subject Matter Experts (SMEs) so that we could just “bang it out”
 - Etc...
- Well, that's why we need the analysts on our cross-functional team, idnit...
 - XP's OnsiteCustomer role... discuss...

Analyst Role in all this...

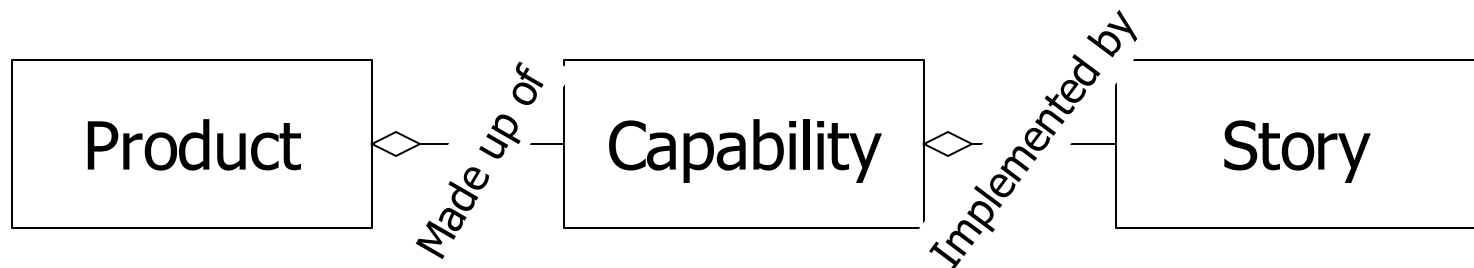
- Communicate with ProductOwner and Business Stakeholders
 - Describe what's being built
 - 10-50,000 foot view
- Produce and Explain Stories for DevelopmentTeam
 - Ground-level to 5,000 foot view
 - Work with Coders, Designers, Testers, Etc
 - “Promise for a Conversation” - Ron Jeffries

These “Candidate” Stories

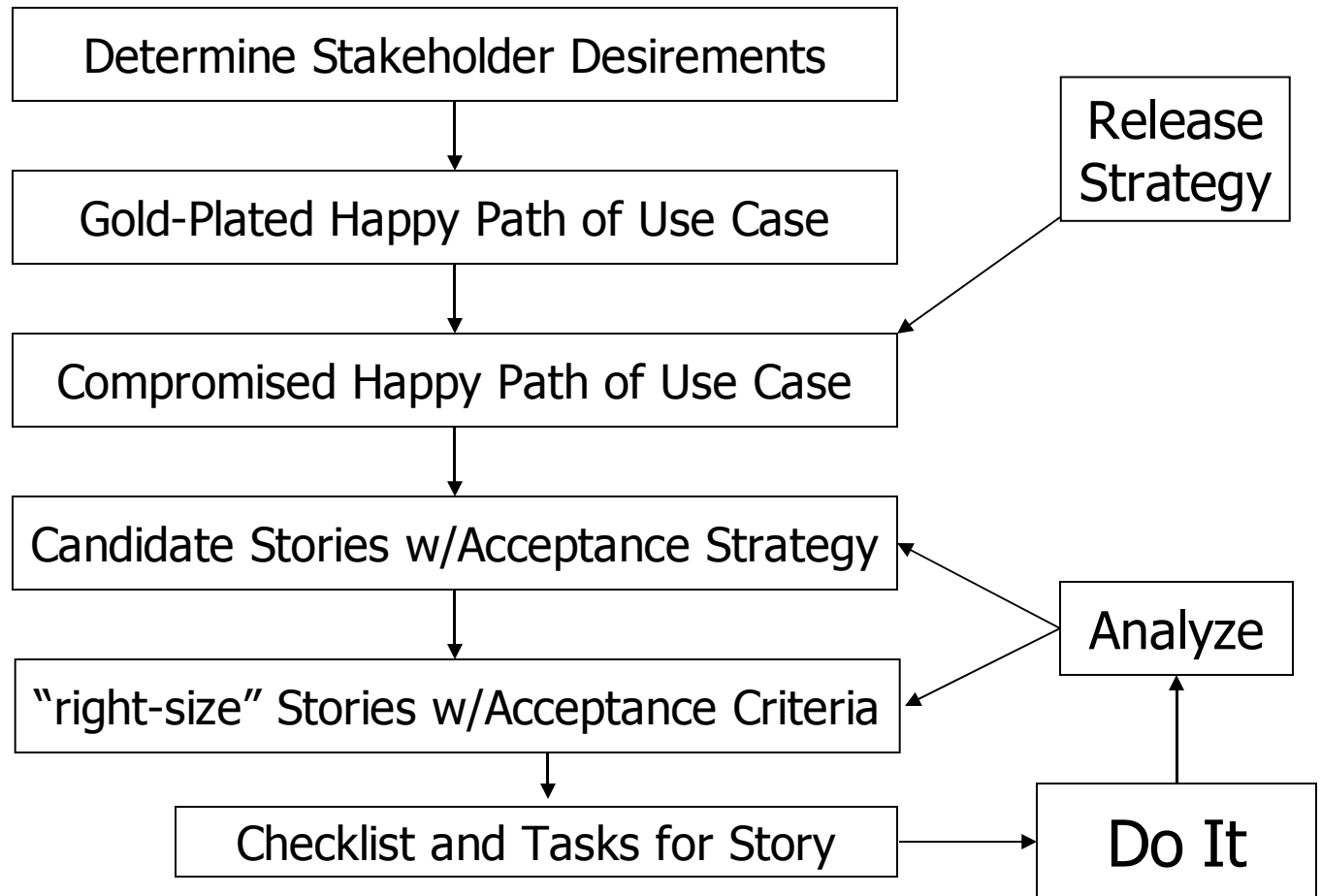
- Are put on the ProductBacklog
- May not be the right size for developers, yet...
- This is a different problem than the one we’re looking at now
 - We want to make sure we have the “right” stories,
 - Not that the stories are “right”
- Then, we’ll use these stories as a “promise for a conversation”, and start digging into them and making them work for us...

Analysis: Product → Capability → Story

- Analysis is primarily about Decomposition
 - Our Product decomposes into Capabilities
 - Capabilities are implemented by doing stories
 - But not all stories are capability-driven
 - Our Project's work can be seen as a collection of Stories
 - But we're only going to focus on the capability-driven ones
- Incremental Analysis is (basically):
 - Find the Capabilities, validate them, then
 - Find the Stories, and validate them
- Then we use the stories to drive development...



Concept for Delivering a Use Case

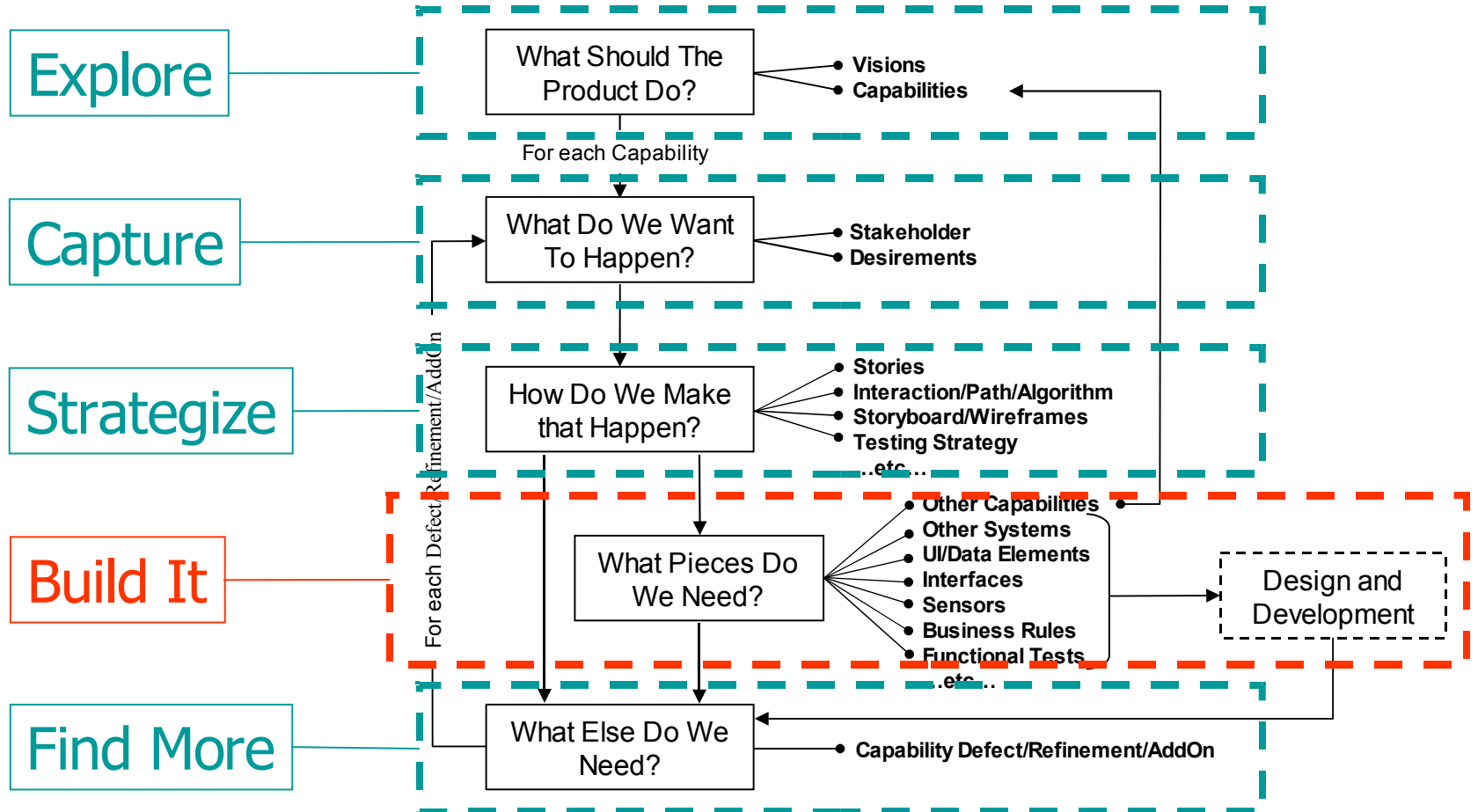


Storyotypes

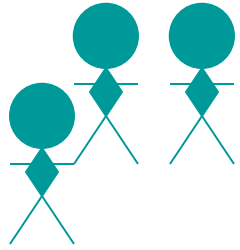
- There are many different types of stories (storyotypes), but there are two obvious ones
- Development stories
 - Produce product
- Analysis stories
 - Provide understanding, usually produce Development Stories

Capability-Based Development

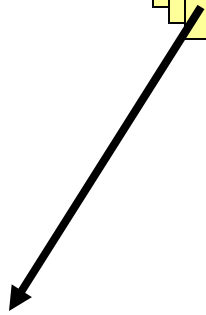
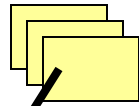
- Here's a diagram of Capability-Based Development, with associated Storytypes...



PO/Stakeholders



Team Swarm



Analysts



Testers



To the Backlog



Coders



To The Product



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ScrumTrainers, Inc

- Client Management
 - Billing
 - Selling
- Training
 - Scheduling
- Coaching
 - Scheduling

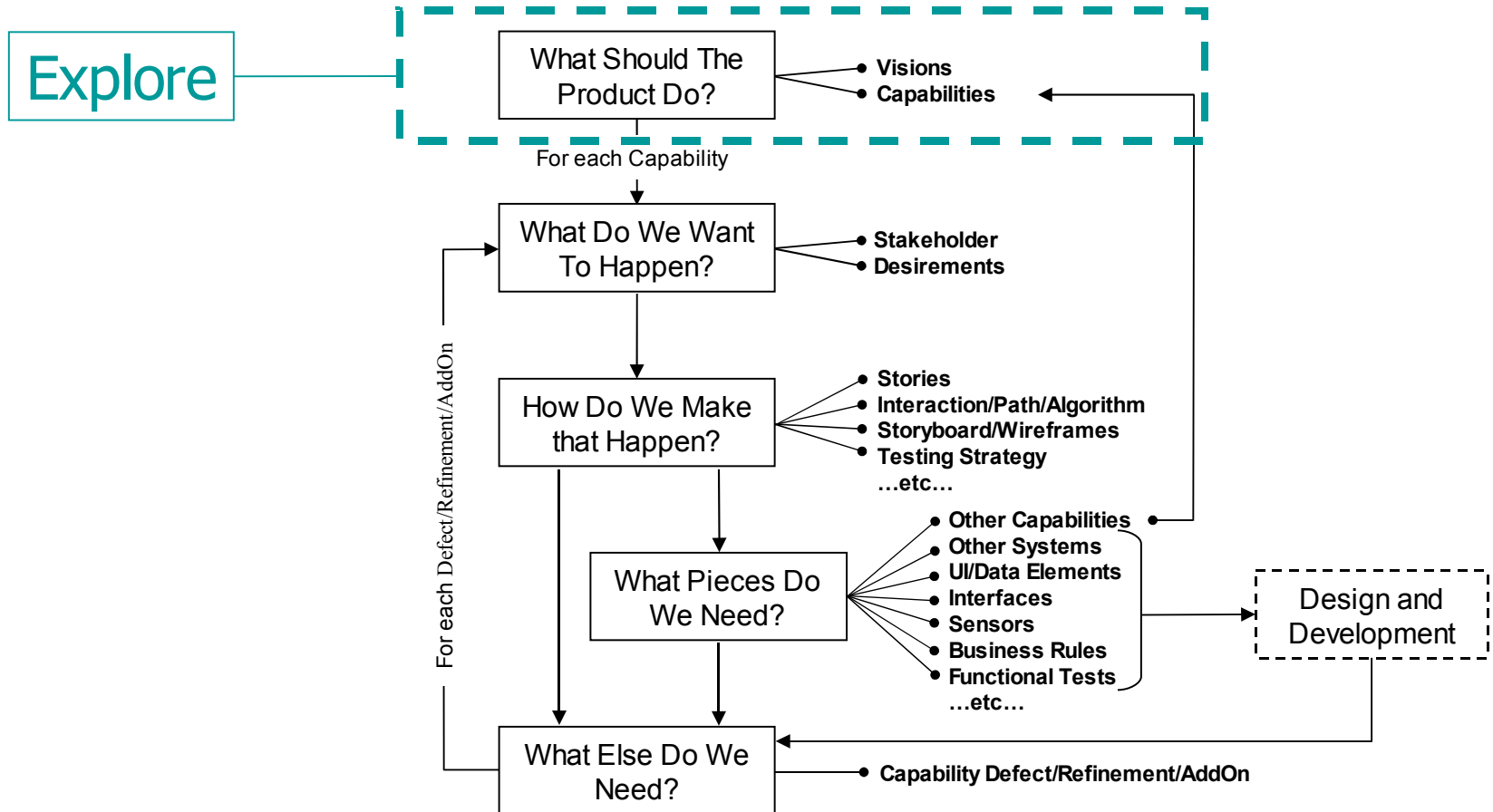
Biggest Problems

- Scheduling Trainers
 - Want to keep individual trainers busy, but not overworked
 - Currently using Google Calendar
- Integration Problems
 - Want data from scheduling (client, #students, etc) to be in data so that we can directly feed the CRM and billing tools

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Vision and Use Cases

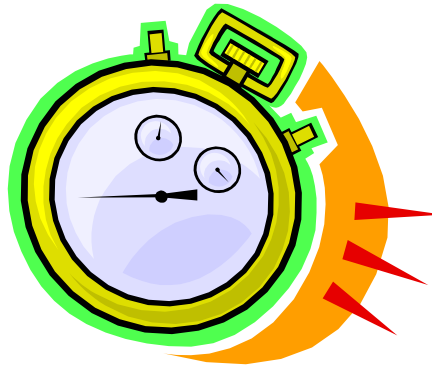


Vision

- Owned by ProductOwner
- Probably obtained by ProductOwner from BusinessOwner
- For our purposes, assume:
 - Business Vision: If I had a Calendaring tool that fed client information directly into my CRM/Billing tool, I could save a lot of time and get accurate data
 - Product Vision: We will build a web-based calendaring tool that captures data about training and coaching engagements as part of scheduling

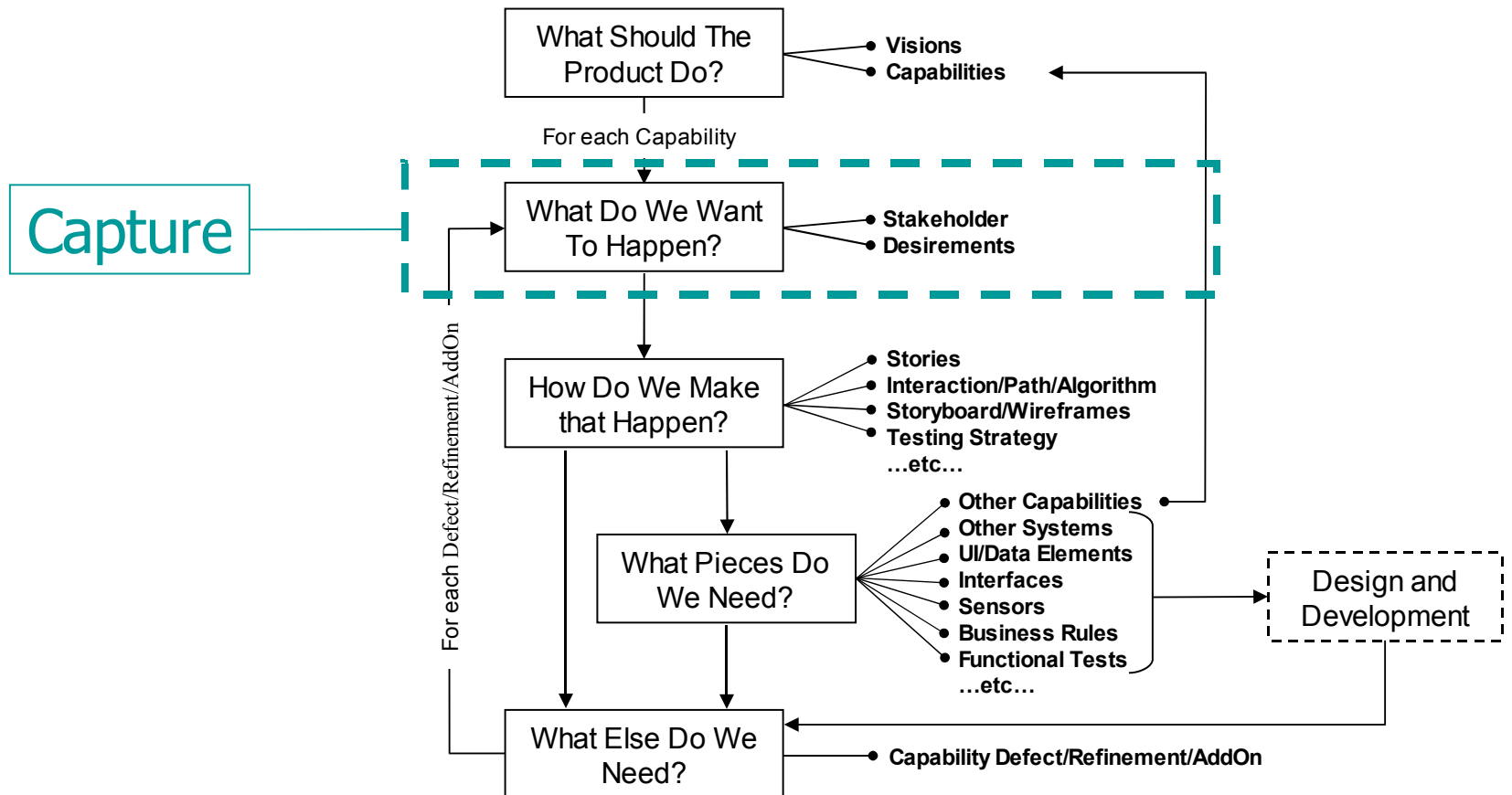
Use Cases

- What are some of the use cases we need for such a Calendaring tool?
- Work in groups of 4-5, and make a list
- 10 minutes...



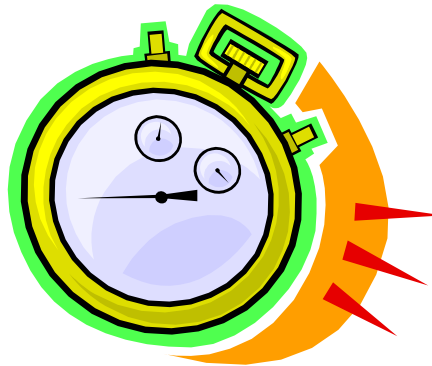
- Let's discuss and write something down...

Desirements



Let's work on a use case

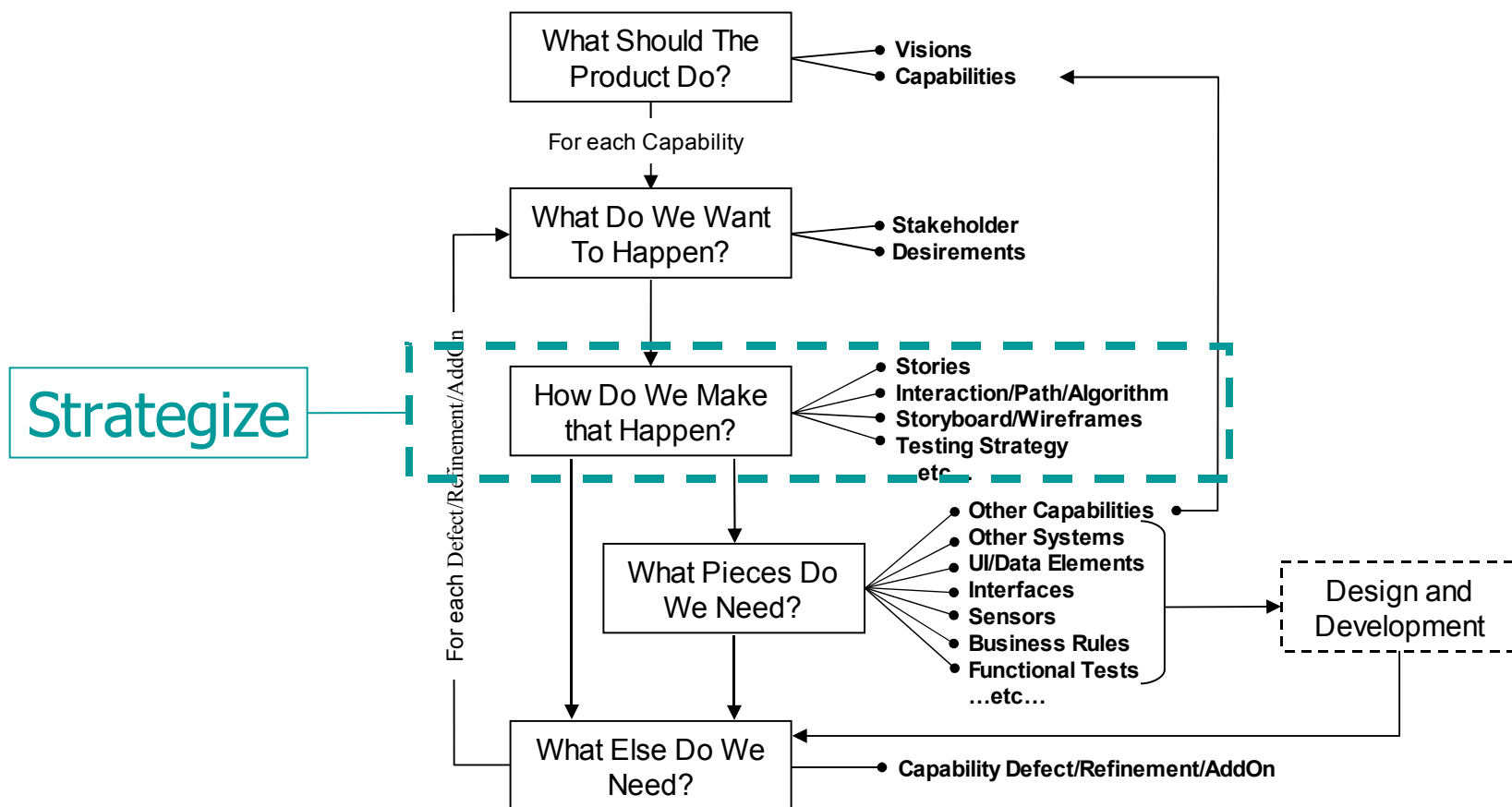
- What is our most important use case?
- What do our Stakeholder's desire about this use case?
 - Who are our Stakeholders?
 - What does each desire?
- 10 minutes again...



- Let's discuss and get something documented...

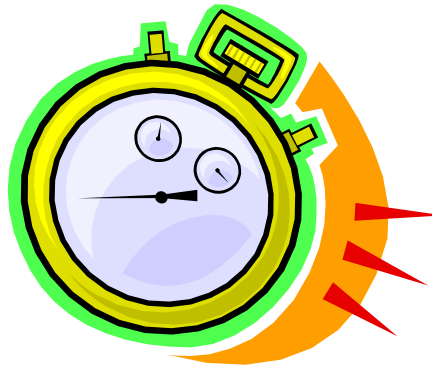
Gold-Plated Happy Path

- One of the “Strategize” stories



Basic Happy Path

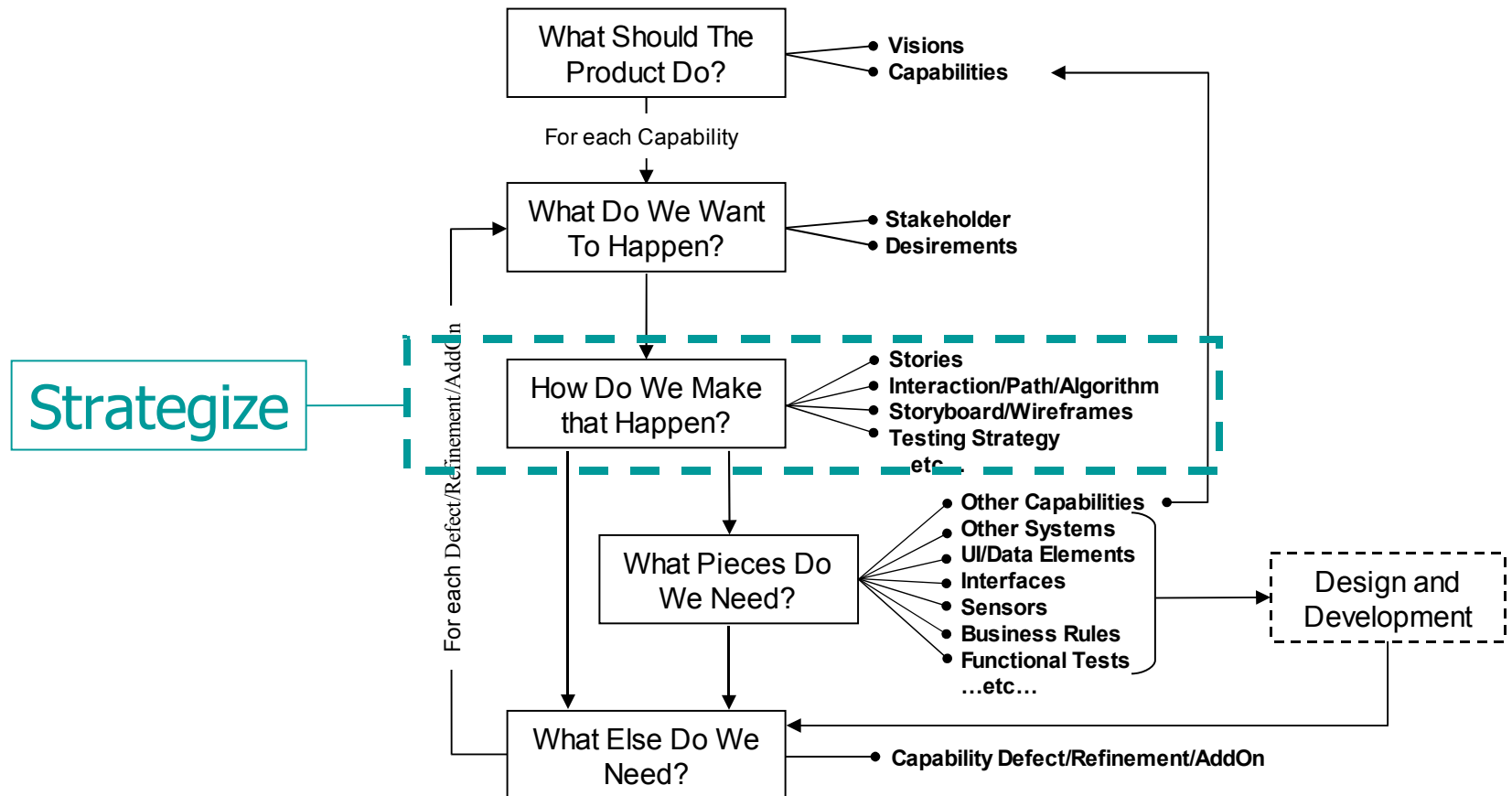
- How do we achieve the desirements?
- Let's write a use case Happy Path that makes "all" the desirements come true.
- 10 minutes again...



- Let's discuss and get something documented...

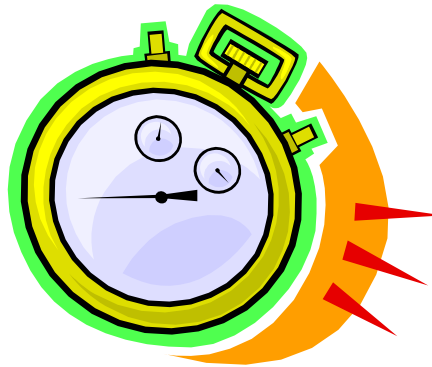
Compromized Happy Path

- One of the “Strategize” stories



Assume

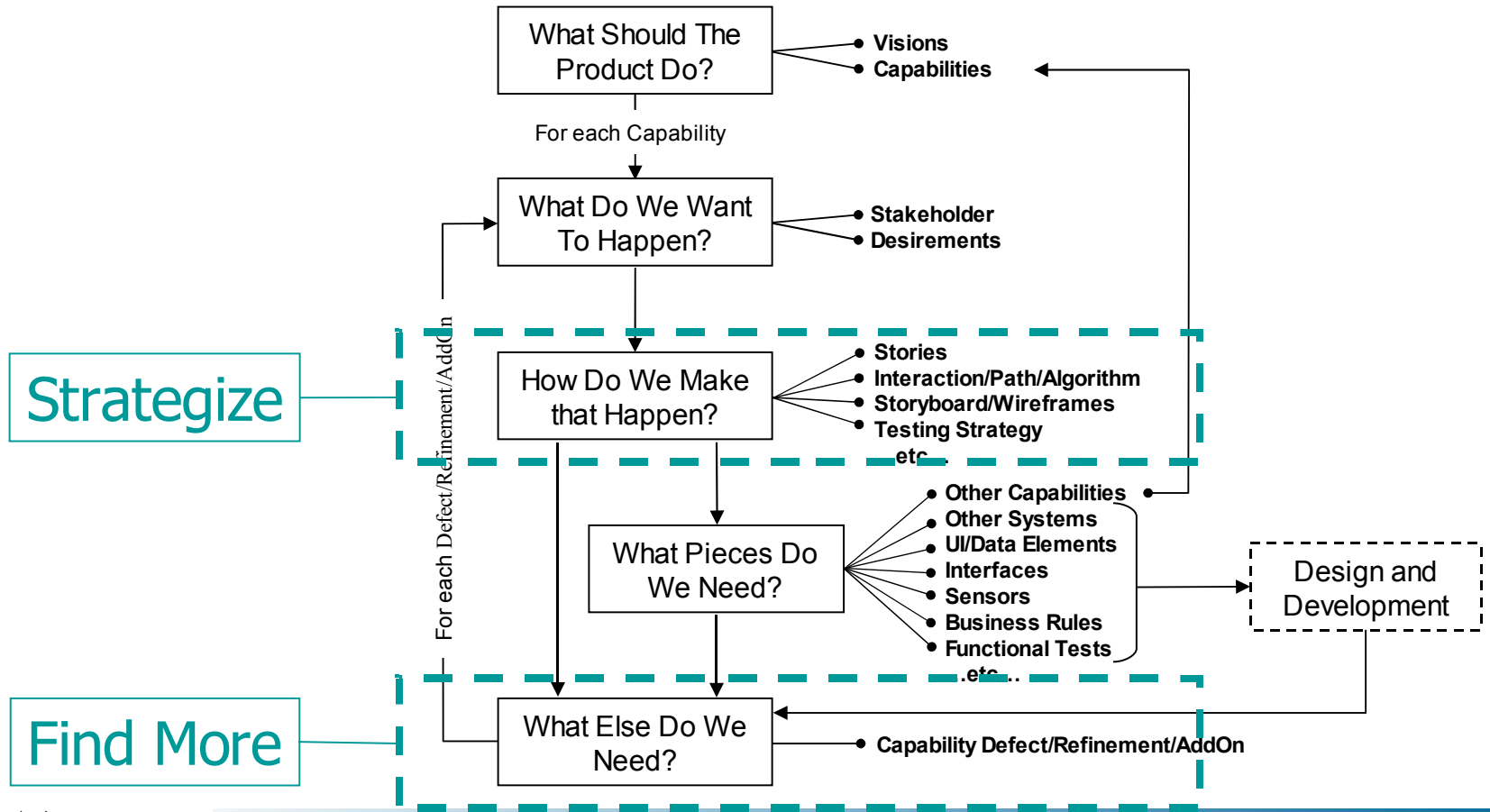
- We are developing this Use Case first
- What can we actually deliver in the first Release?
- This the Compromised Happy Path... let's figure one out...
- 10 minutes again...



- Let's discuss and get something documented...

More Stories – Fleshing out the Use Case

- We need to do more than just the compromised happy path...

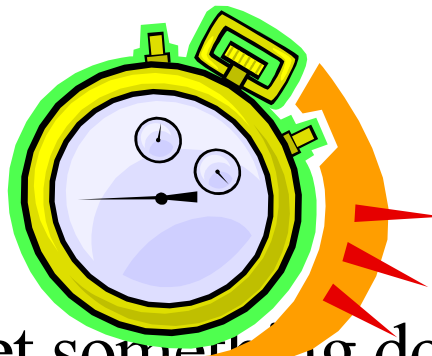


We Need To

- We would like to beef up the compromised Happy Path to the Gold-Plated Happy Path
- We would like to add more alternative paths
 - Alternative happy paths
 - Sad paths
 - Etc
- To do these we add stories to our ProductBacklog

More Stories

- What additional stories could we have for this use case?
- 10 minutes again...



- Let's discuss and get something documented...

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