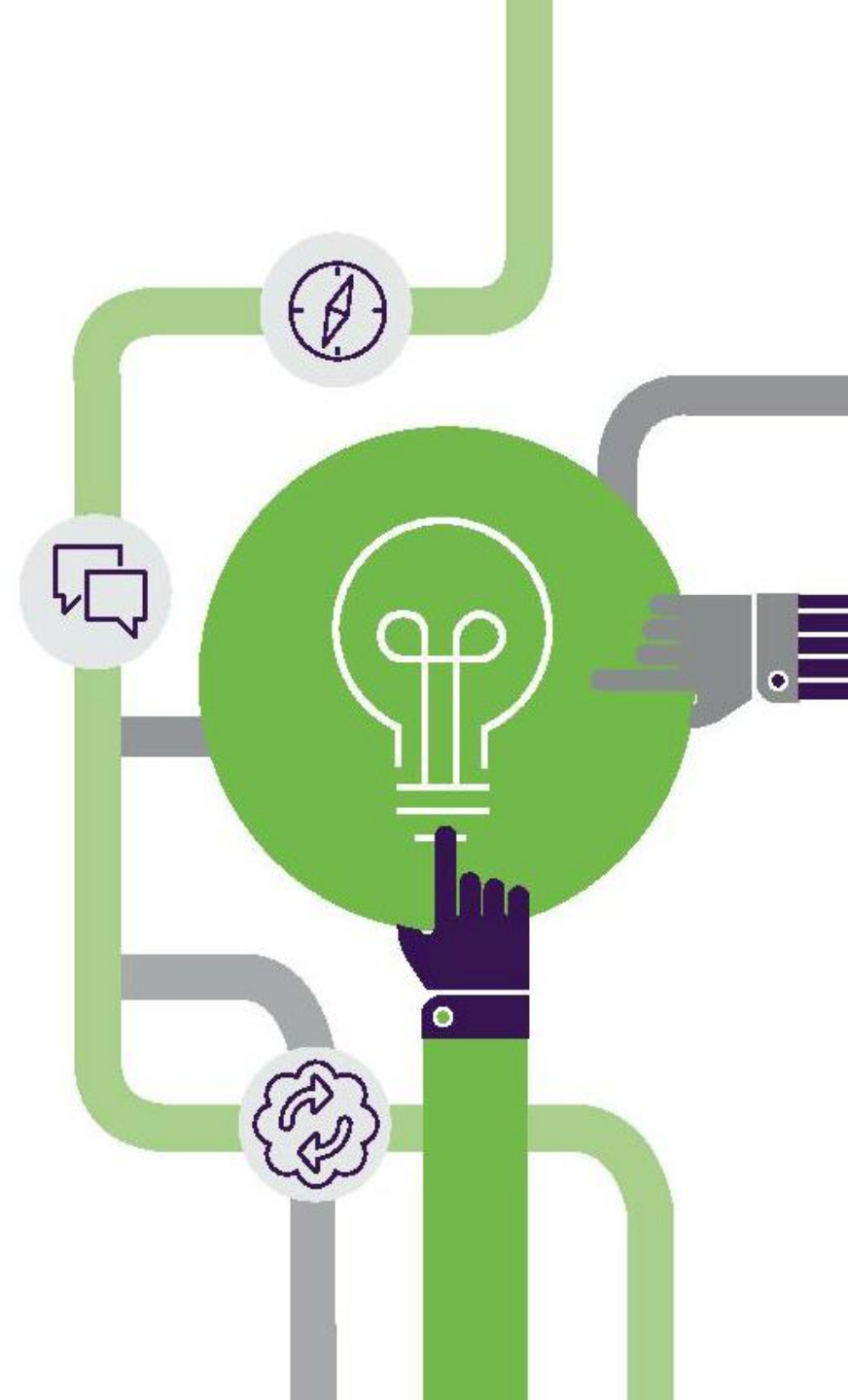




The Perfect Marriage of Design Thinking and Lean Agile





Take what you think you know
and then blow it up before trying
to narrow it back down again so
you can ensure you see the whole
picture and understand how what
you are working on will provide
value.

How design thinking mixed
with lean and agile practices
can help produce better
outcomes for everyone...

Hello!

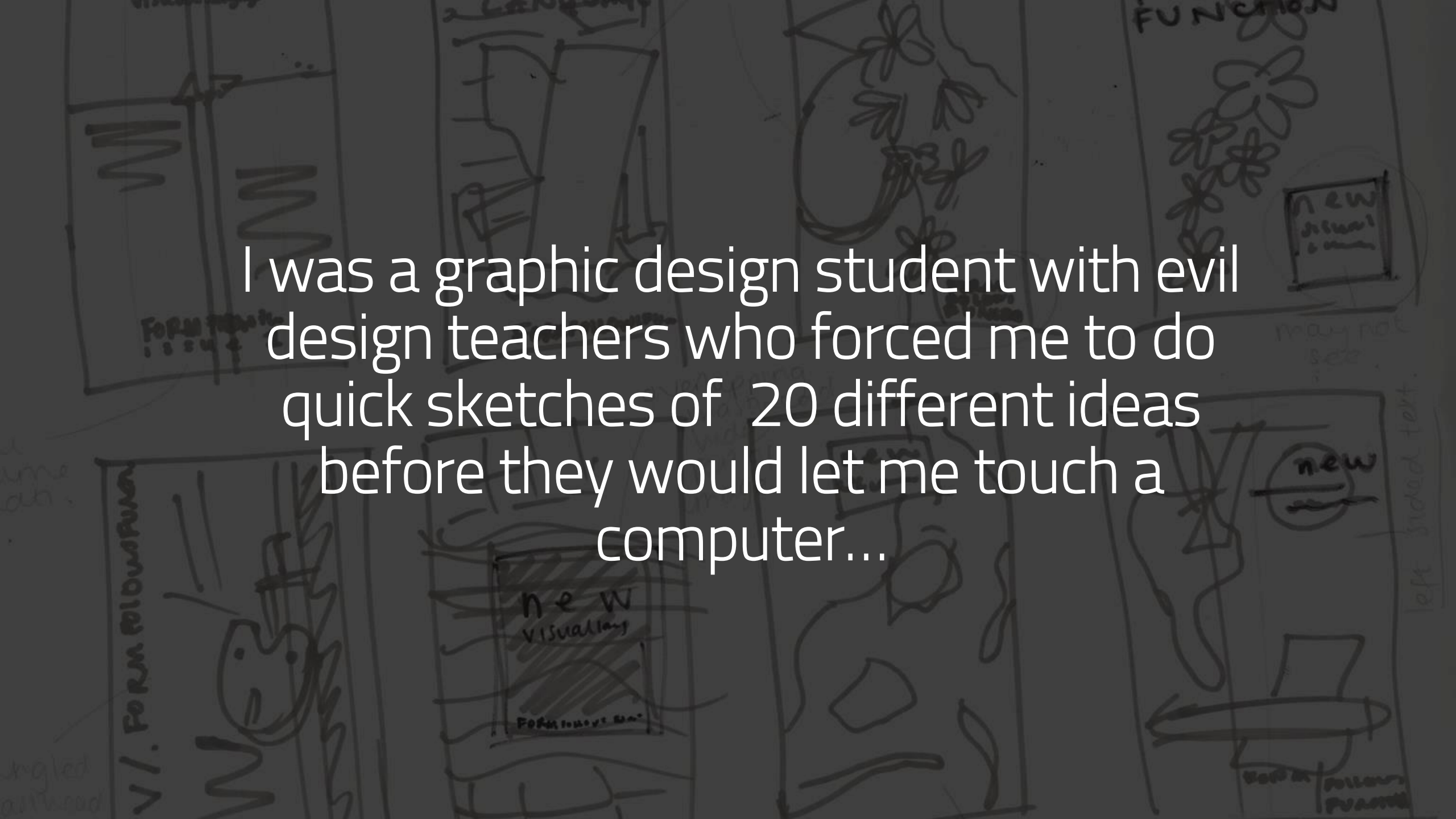


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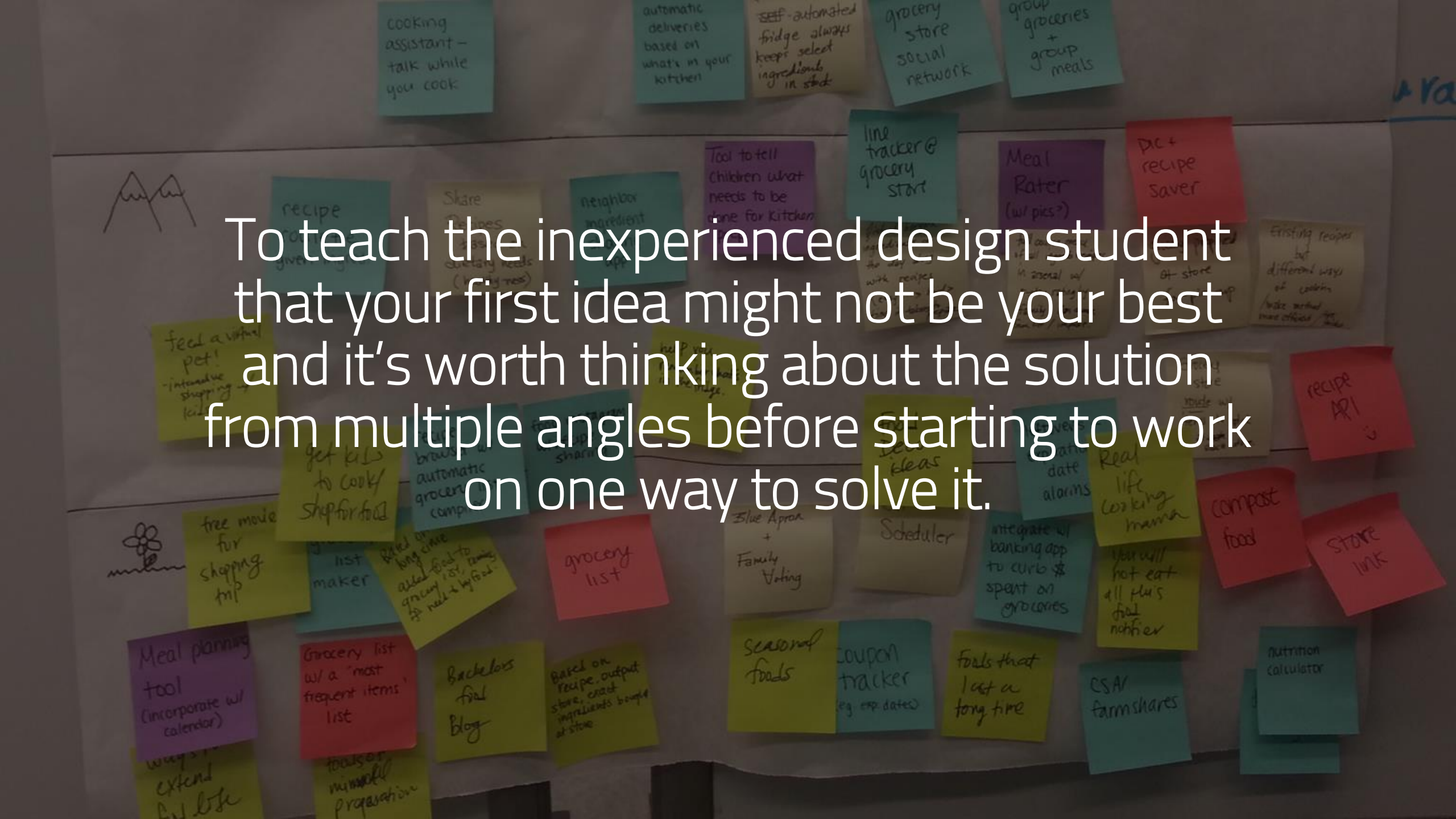
A scenic view of the Golden Gate Bridge in San Francisco, California, during sunset. The bridge's iconic orange-red towers and suspension cables are silhouetted against a soft, orange-hued sky. The bridge spans the water, with its reflection visible on the calm surface. In the foreground, a rocky beach with dark, jagged rocks is partially submerged by gentle waves with white foam. The right side of the image shows a steep, grassy hillside. The overall atmosphere is peaceful and picturesque.

Once upon a time in a land
far far away...(aka California)



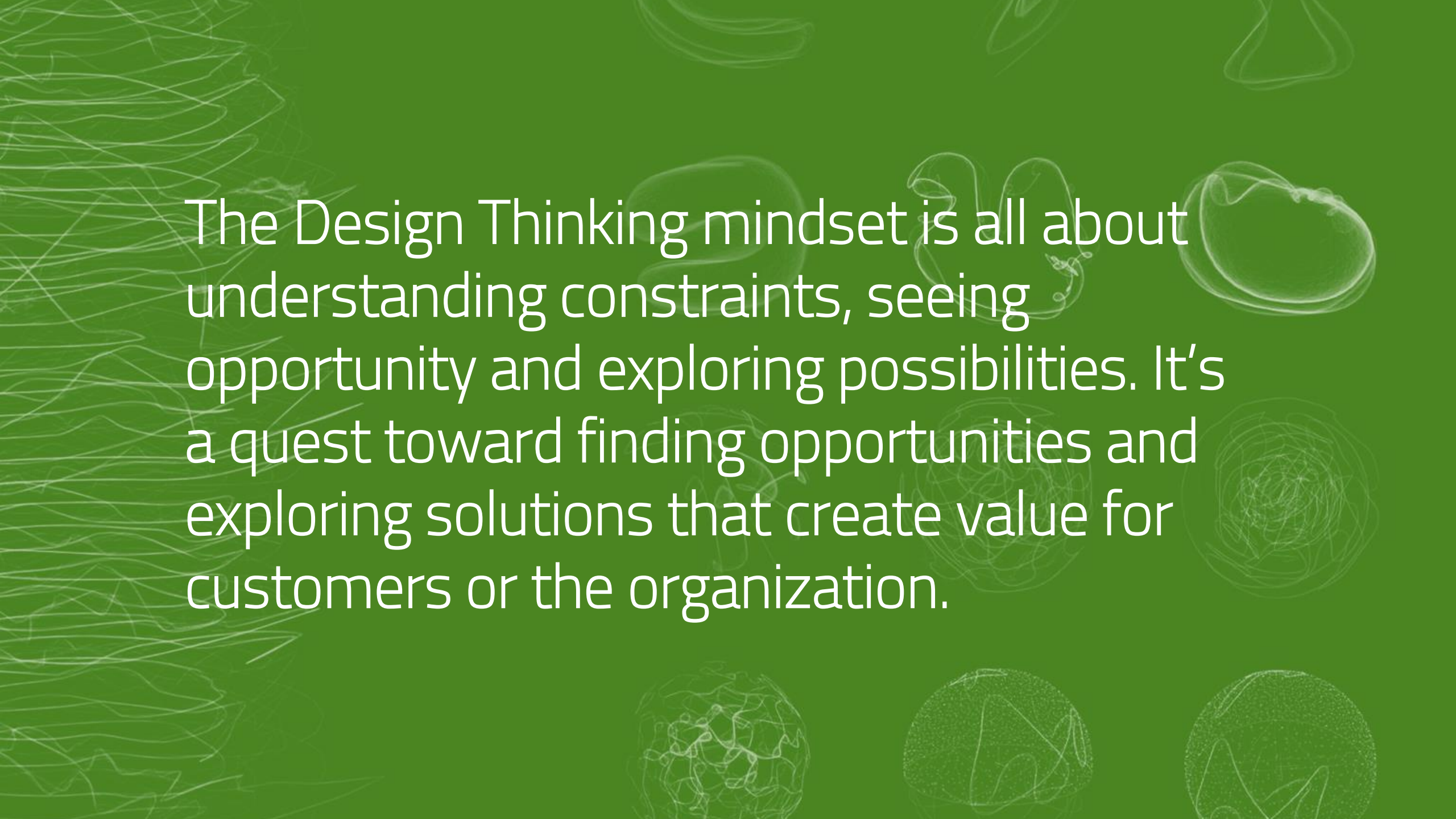
I was a graphic design student with evil
design teachers who forced me to do
quick sketches of 20 different ideas
before they would let me touch a
computer...

Why?

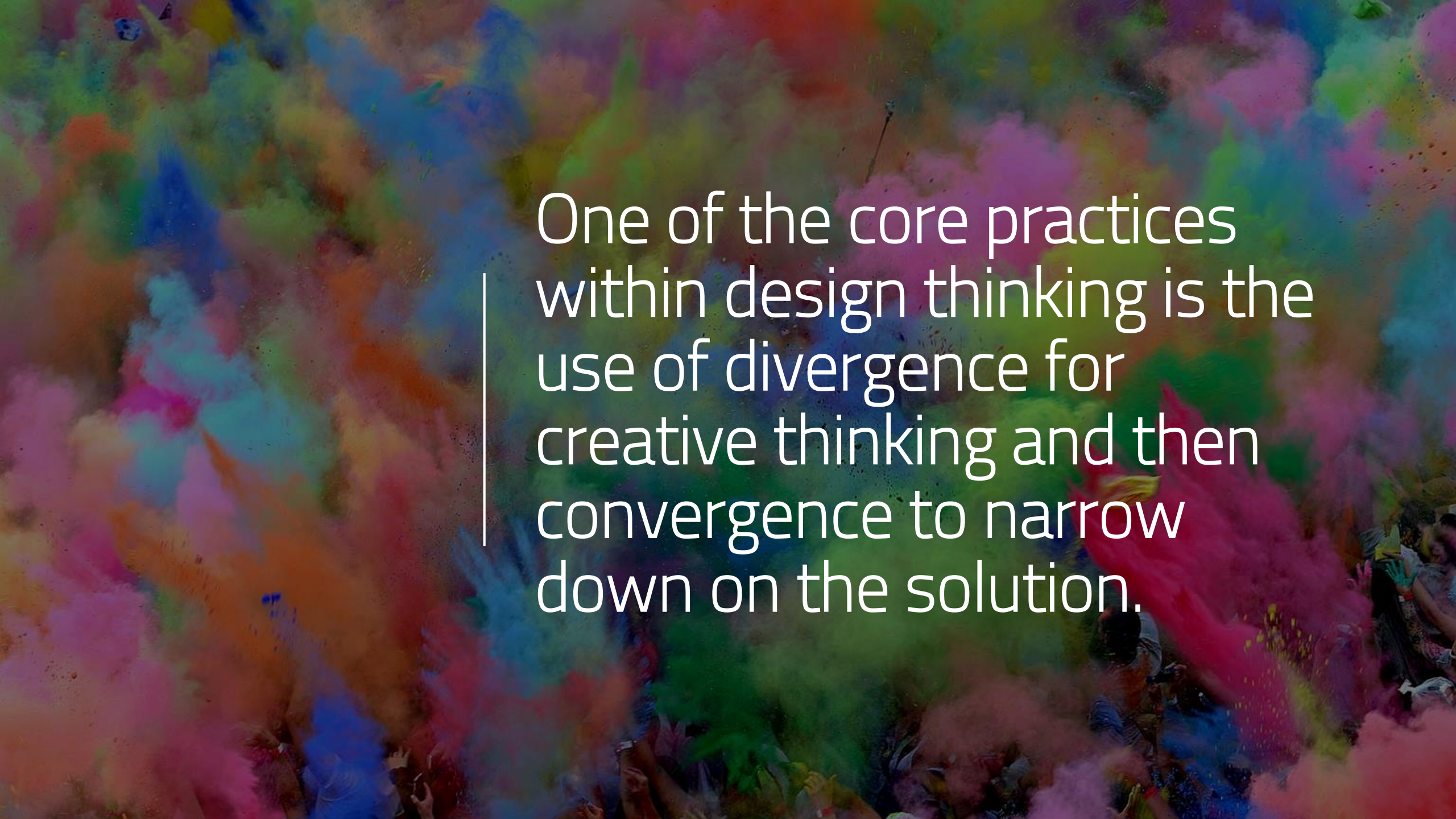


To teach the inexperienced design student
that your first idea might not be your best
and it's worth thinking about the solution
from multiple angles before starting to work
on one way to solve it.

Design Thinking

The background is a solid green color with various white and light green abstract sketches. On the left side, there are dense, chaotic scribbles. On the right side, there are several circular sketches, some resembling orbits or paths, and some resembling tangled lines. The text is centered and written in a white, sans-serif font.

The Design Thinking mindset is all about understanding constraints, seeing opportunity and exploring possibilities. It's a quest toward finding opportunities and exploring solutions that create value for customers or the organization.



One of the core practices within design thinking is the use of divergence for creative thinking and then convergence to narrow down on the solution.

Discover

insight into the problem

Define

the area to focus upon

Develop

potential solutions

Deliver

solutions that work

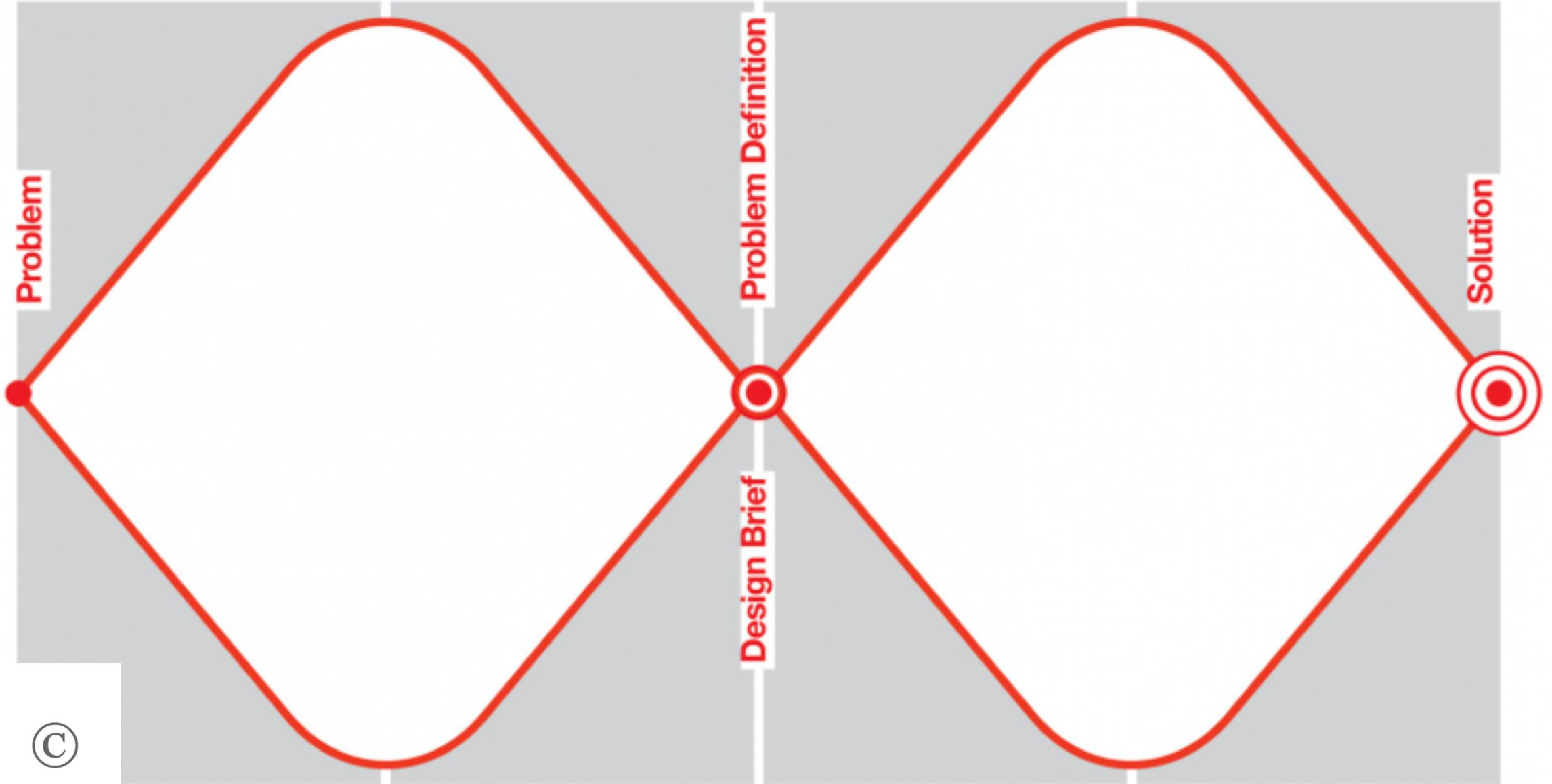
Problem

Problem Definition

Design Brief

Solution

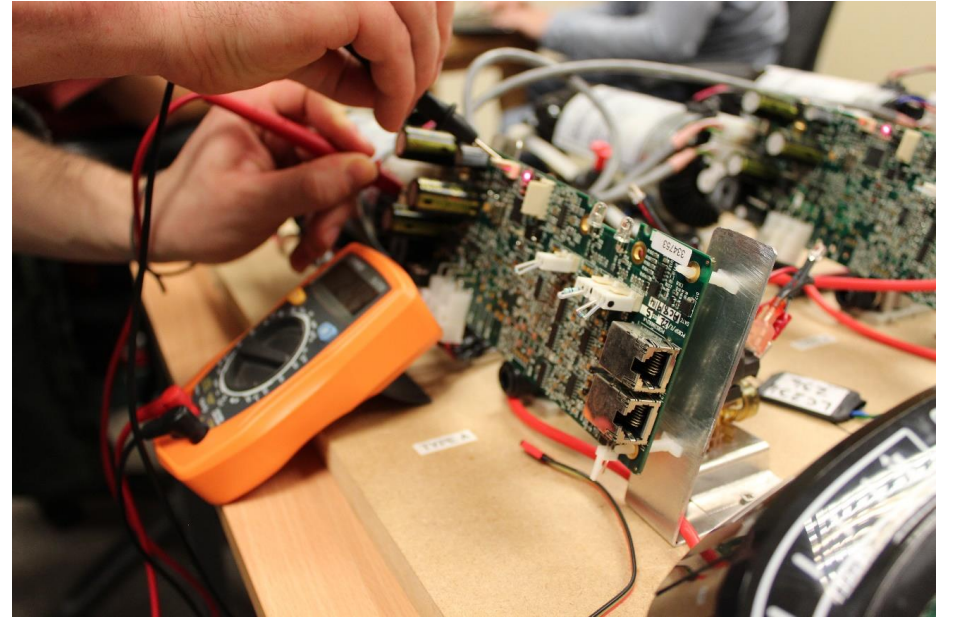
©



Why do we need design
thinking in our lives?



Quality software for
intelligent products



Bluefruit's love of Lean Agile:

We work in small iterations (sprints) with clients to try to solve their problems in a way that allows for natural product and project evolution, while also empowering our engineers to respond effectively to emergent knowledge or unknown challenges.

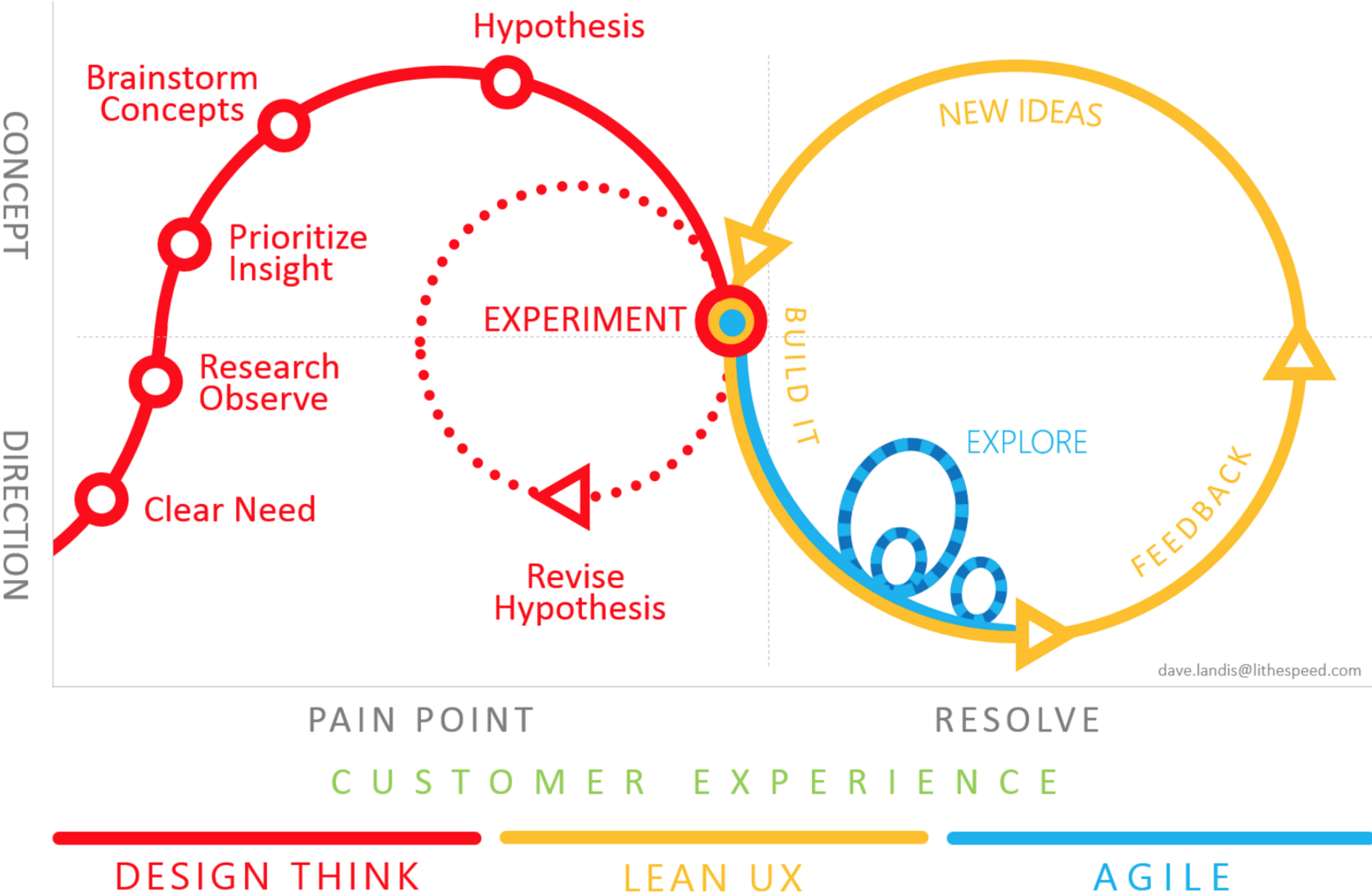
Lean agile processes are great for solving the problem, but they don't always address the source of it, which could limit the solutions we offer to clients.

Although agile practices can help understand the problem that needs to be solved, we rely on a single source of information for requirements gathering process defined by a single Product Owner (PO) who might represent the view of different project stakeholders but not necessarily the end-users needs, desires and aspirations. Under these conditions, the developer team implements a limited solution for the problem described at the Product Backlog

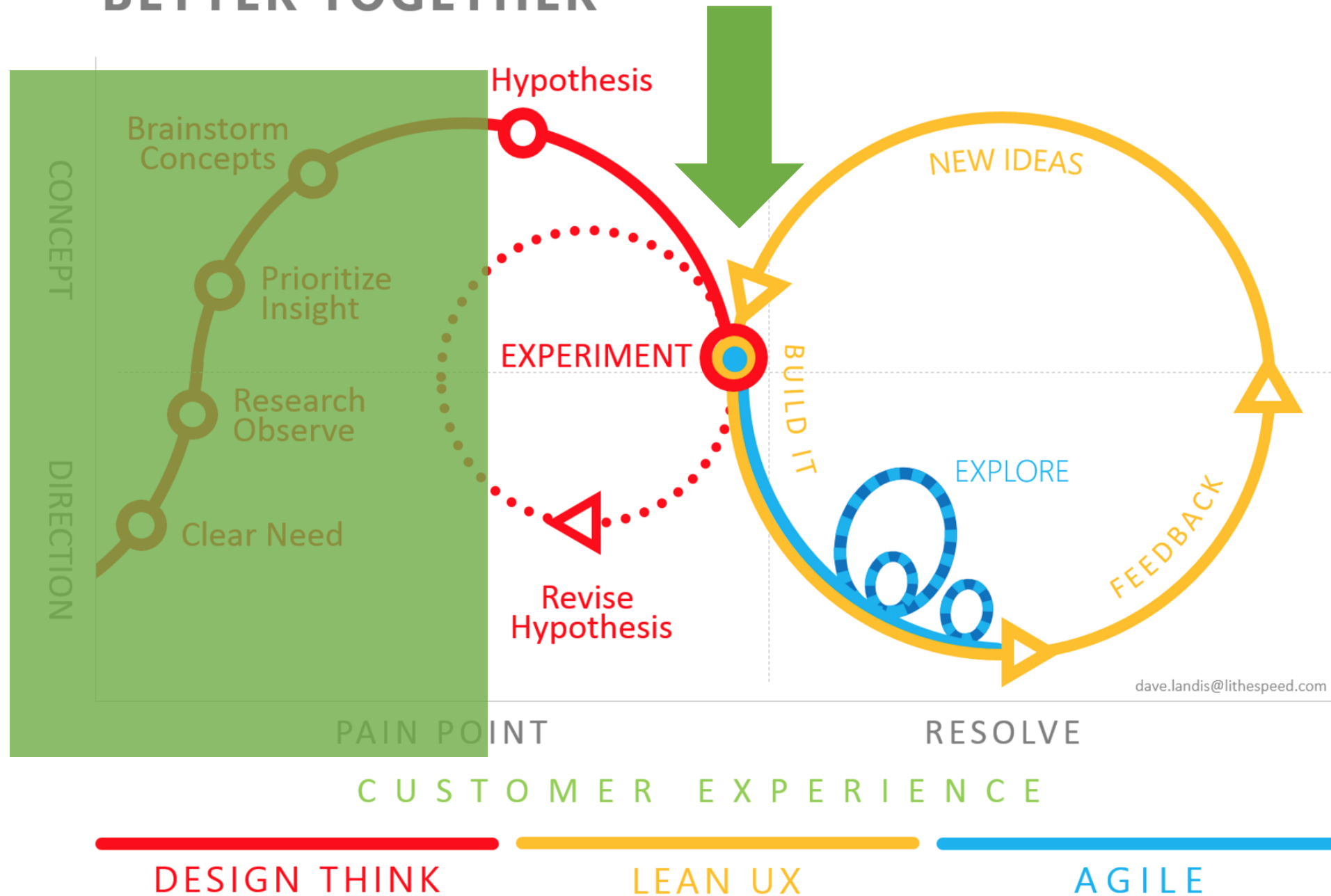
IBM Design Thinking Software Development Framework (PDF Free Download). Available from:
https://www.researchgate.net/publication/308995849_IBM_Design_Thinking_Software_Development_Framework



BETTER TOGETHER



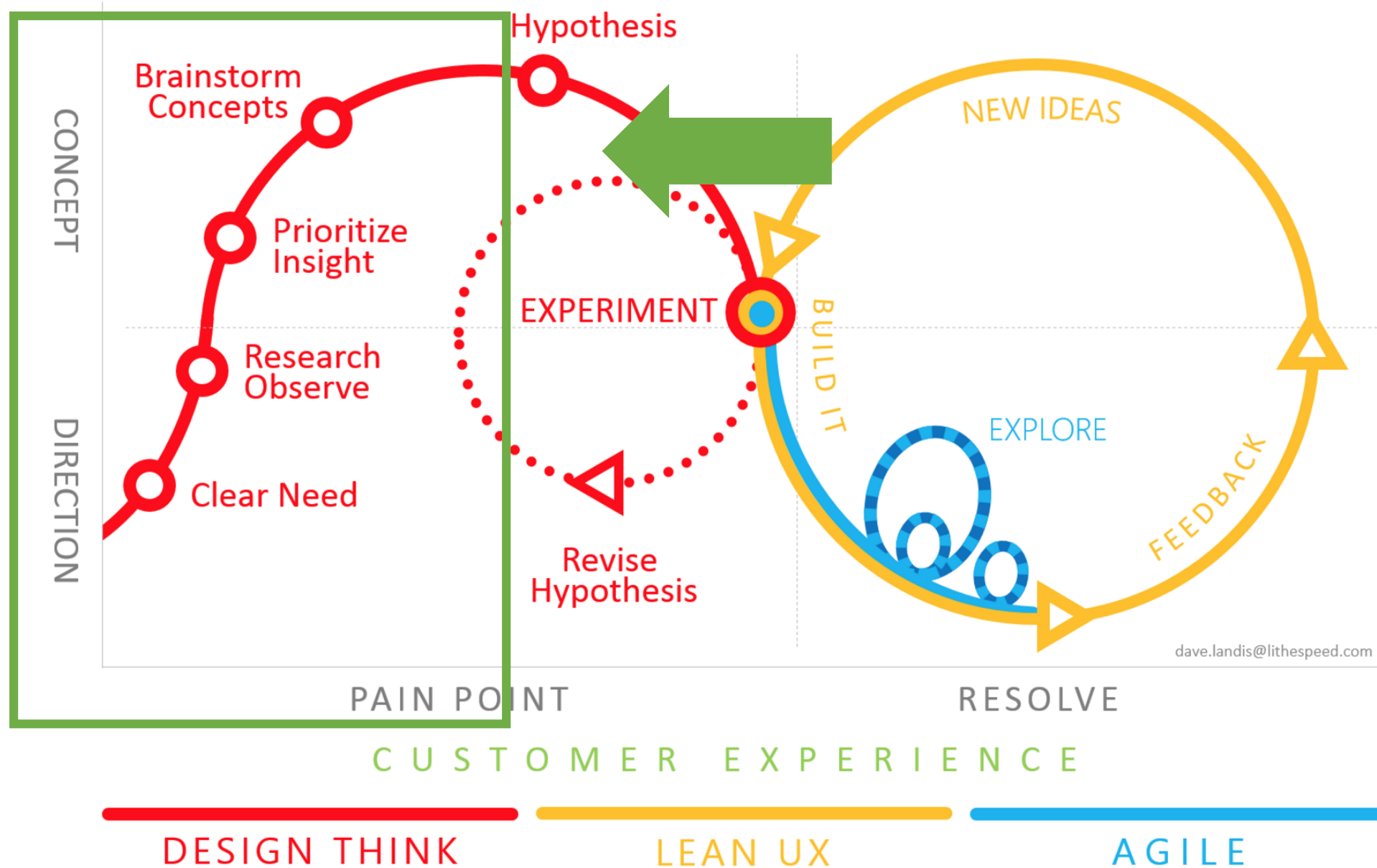
BETTER TOGETHER



1 Design Thinking tactic to try

Discovery: What problem are
we trying to solve?

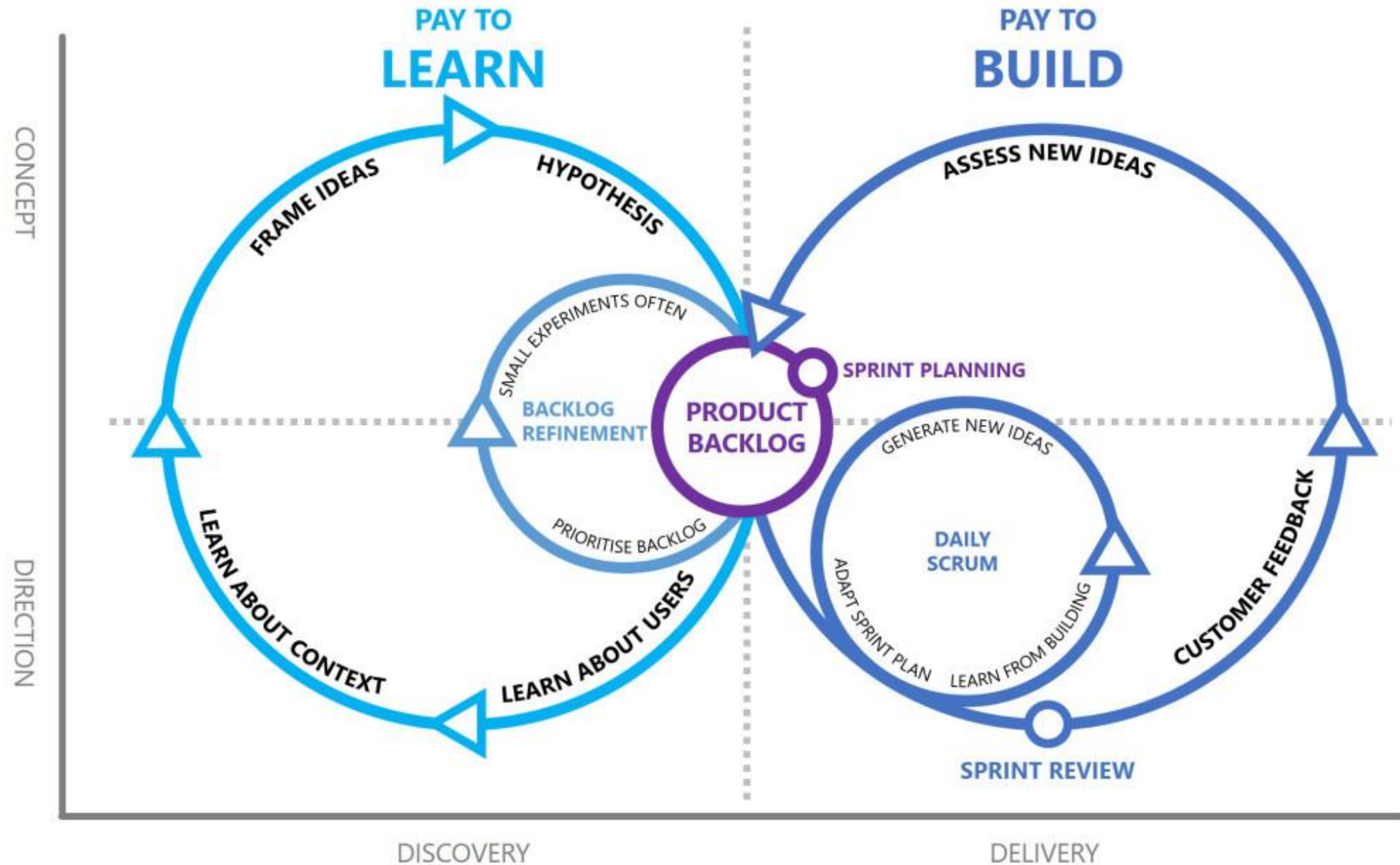
BETTER TOGETHER



No, really, what is the actual problem?

1. Where did the problem come from?
2. Who cares about it?
3. Why does it matter?
4. What is the impact of solving this problem?

AGILE PRODUCT DEVELOPMENT



A top-down view of several open white takeout containers filled with various Asian dishes. The containers are scattered on a dark surface. Visible dishes include stir-fried vegetables and meat, noodles with sauce, and dumplings. A hand holding chopsticks is visible in the lower right, interacting with one of the containers. The text "Takeaway Time" is overlaid in the center in a white, sans-serif font.

Takeaway Time

Before you start solving the problem, take a little bit of time to ensure you understand it.

- Ask Questions
- Explode the idea
- Converge back onto a solution

Hello!



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