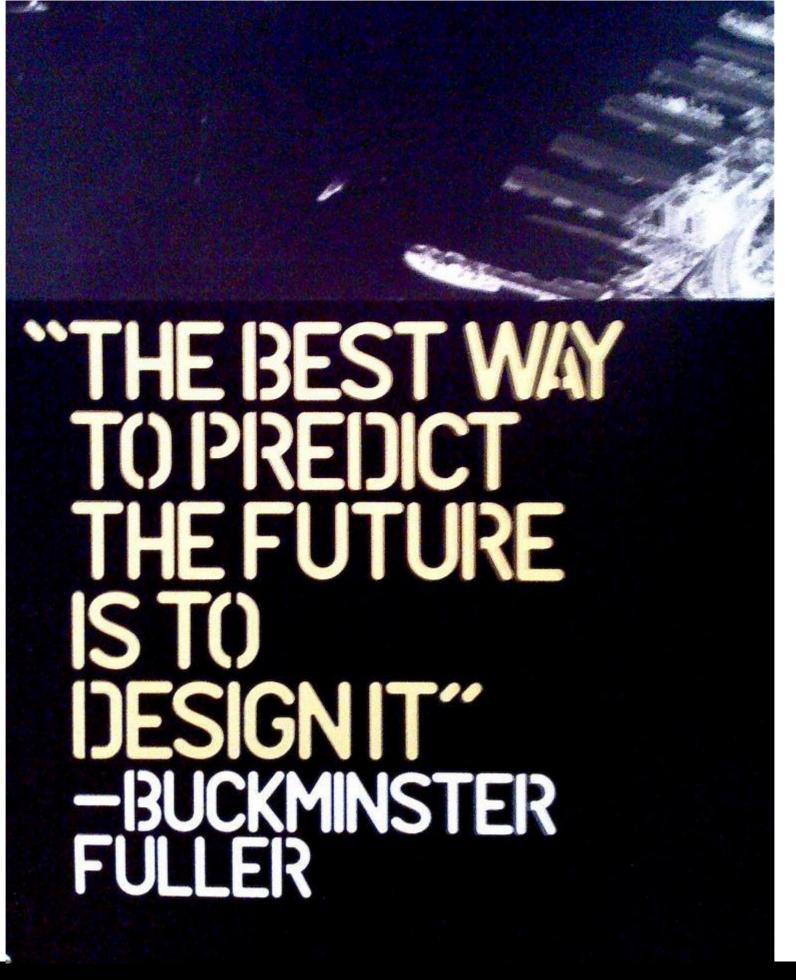
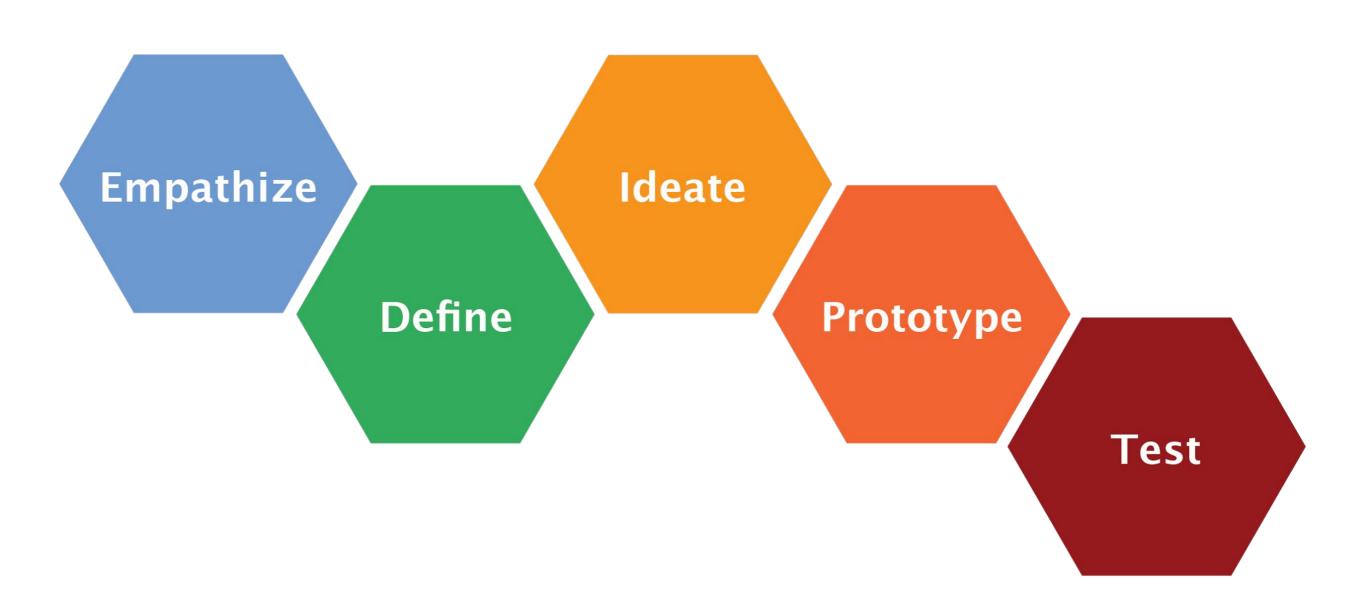
Predict the Future By Designing It An Introduction to Design Thinking

Stanford d.school, April 18-19, 2017









DO IT NOW

REFLECT

DO IT BETTER

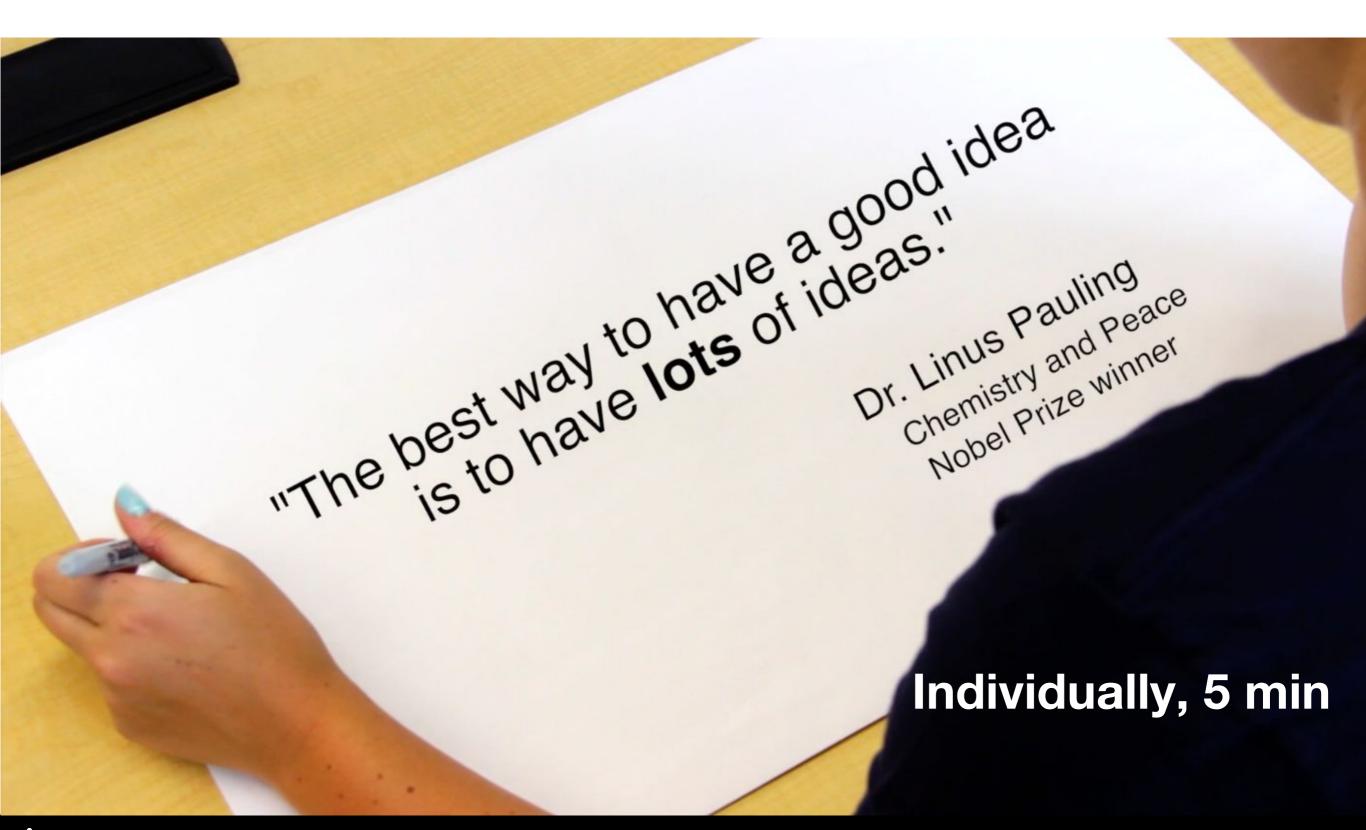




1// Interview your partner (4 min each)



2// Generate ideas



3// Share and get feedback (3 min each)







Project Aristotle (Google)

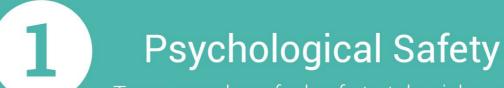
Variables NOT significantly connected w/ team effectiveness

Colocation of teammates (sitting together in the same office)

13

- Consensus-driven decision making
- Extroversion of team members
- Individual performance of team members
- Workload size
- Seniority
- Team size
- **Tenure**

Project Aristotle (Google)



Team members feel safe to take risks and be vulnerable in front of each other.

2 Dependability

> Team members get things done on time and meet Google's high bar for excellence.

3 Structure & Clarity

Team members have clear roles, plans, and goals.

Meaning

Work is personally important to team members.

5 **Impact**

Team members think their work matters and creates change.

re: Work

https://rework.withgoogle.com/

How Might We Align Talent Development in Universities with the Needs of the Tech

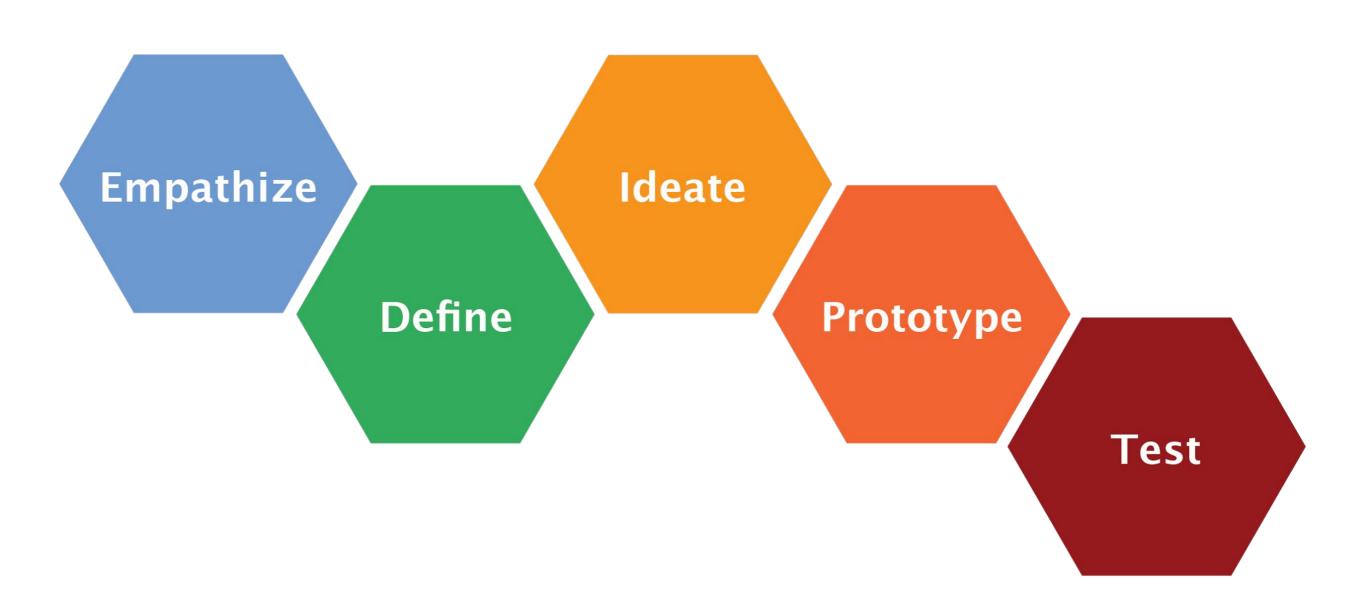


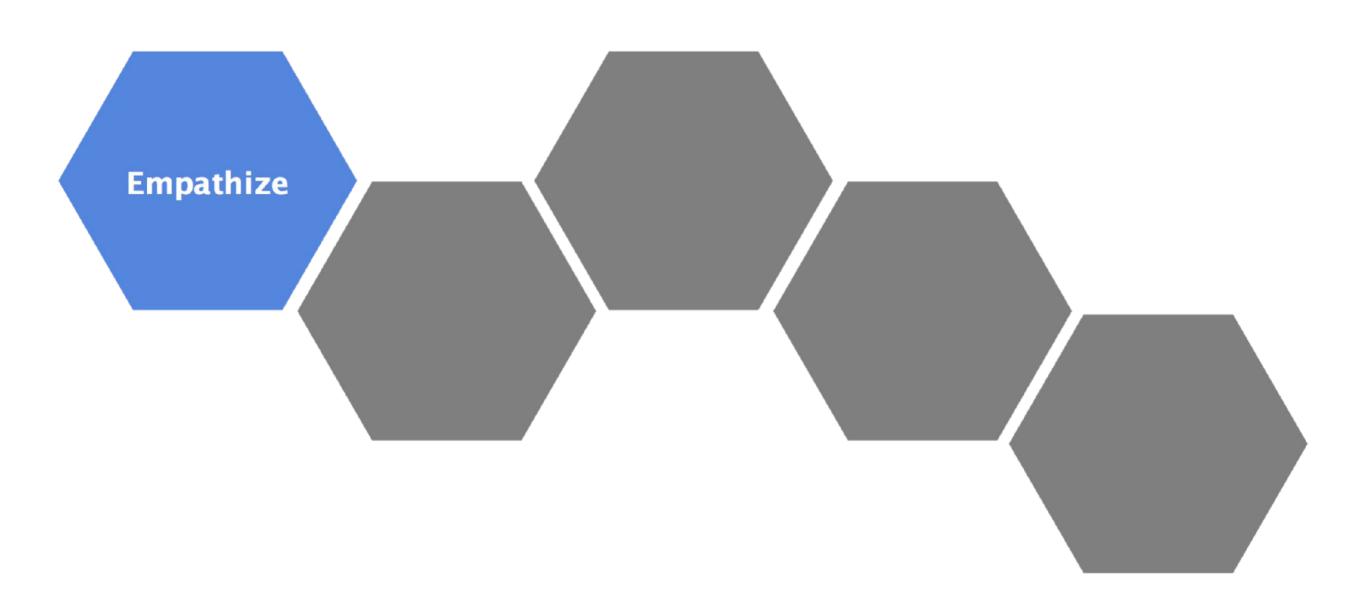
How Might We Align Talent Development in Universities with the Needs of the Tech Industry?

96% chief academic officers said they were doing a good job (Inside Higher Ed survey, 2014)

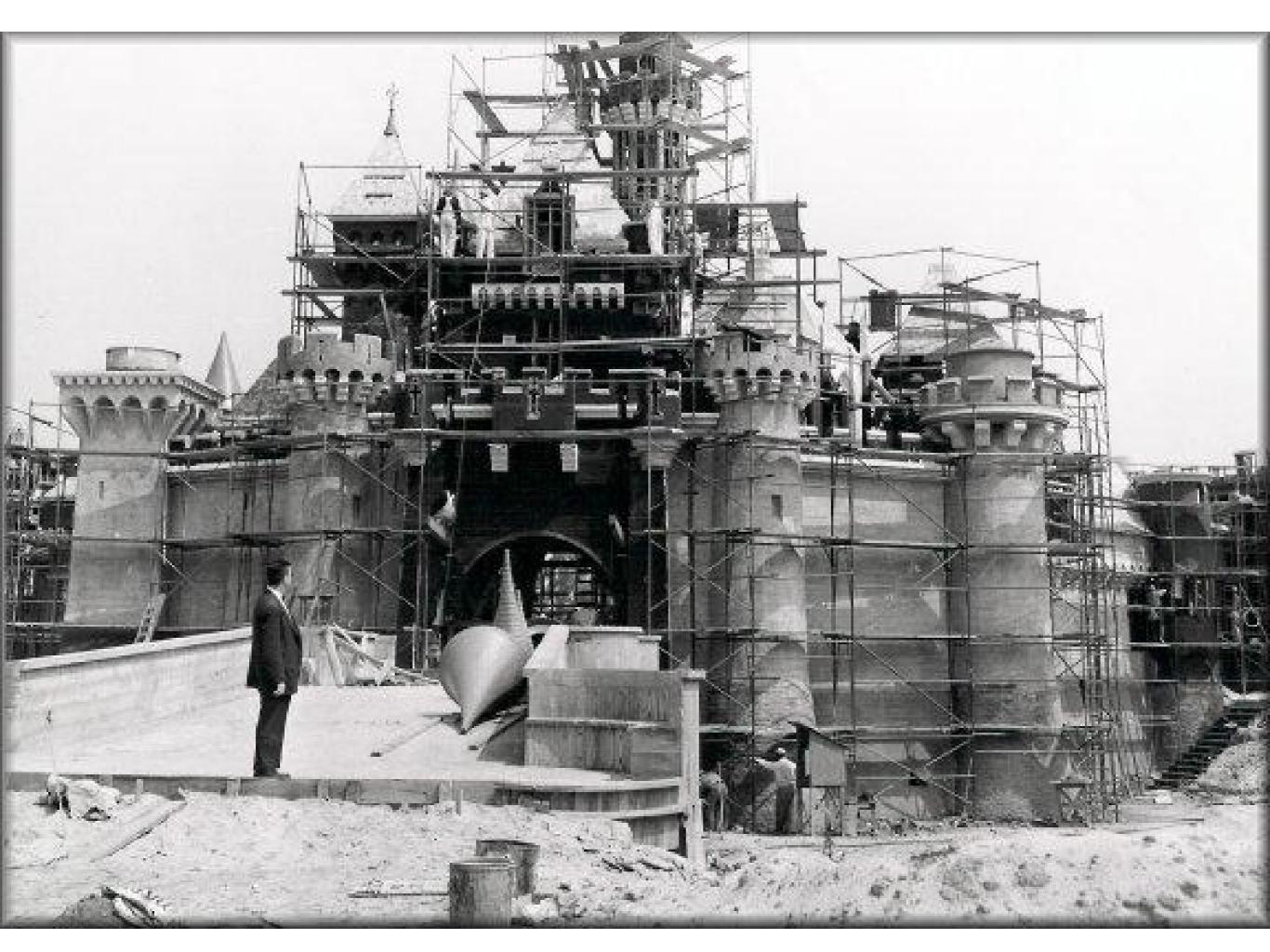
11% of business leaders strongly agreed that graduates have necessary skills and competencies to succeed in the workplace

(Gallup, 2014)





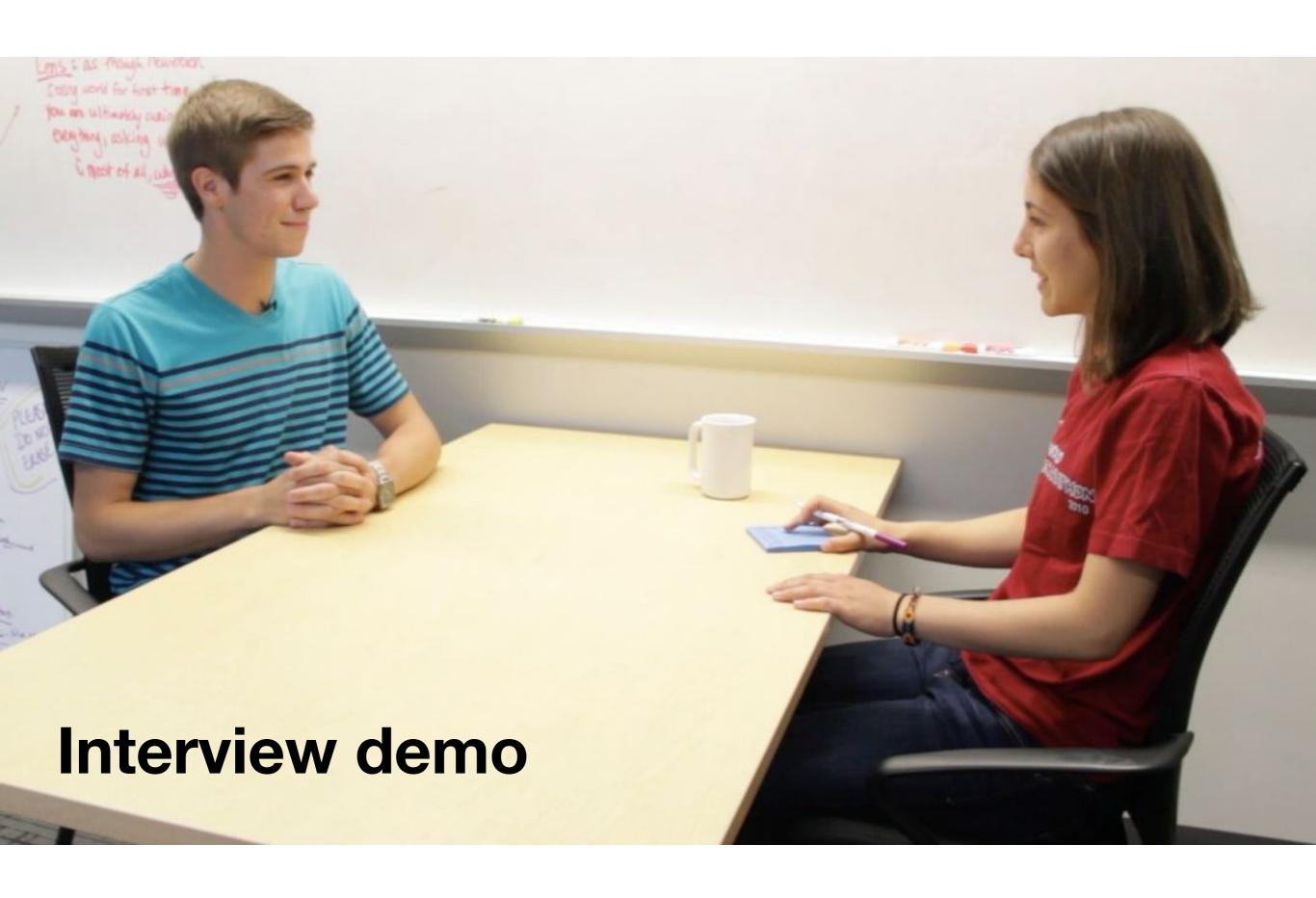












ENGAGE

Ask questions about your partner's experience relevant to the challenge

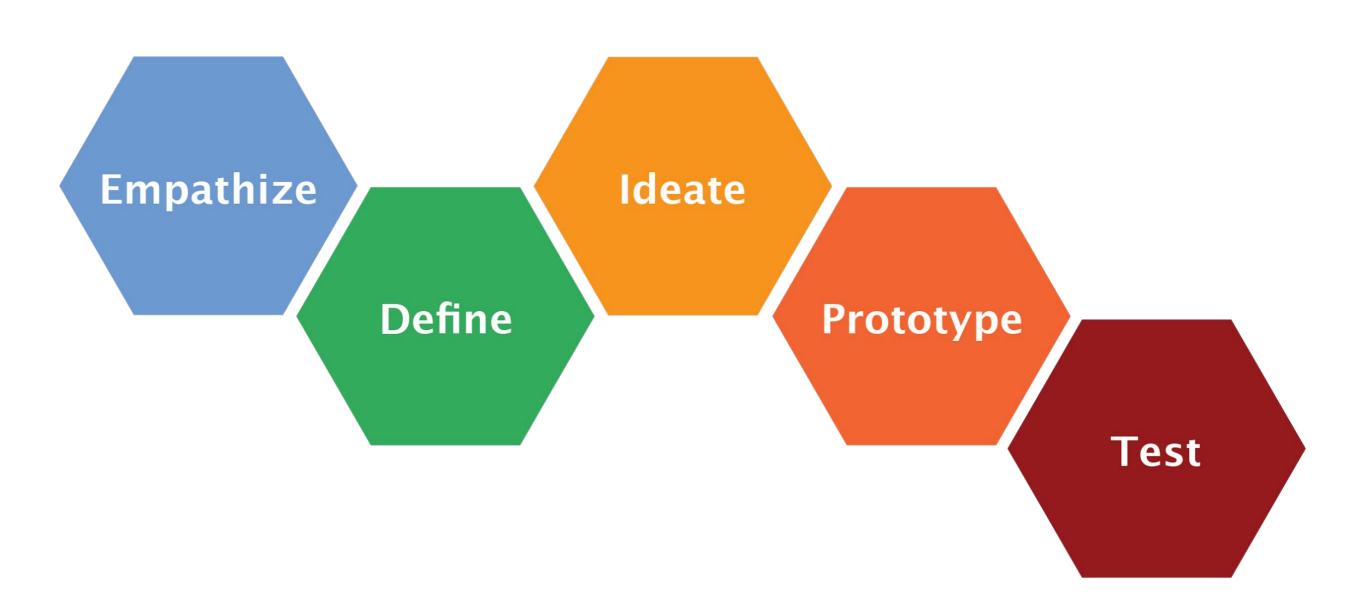
SEEK STORIES Ask about a specific experience

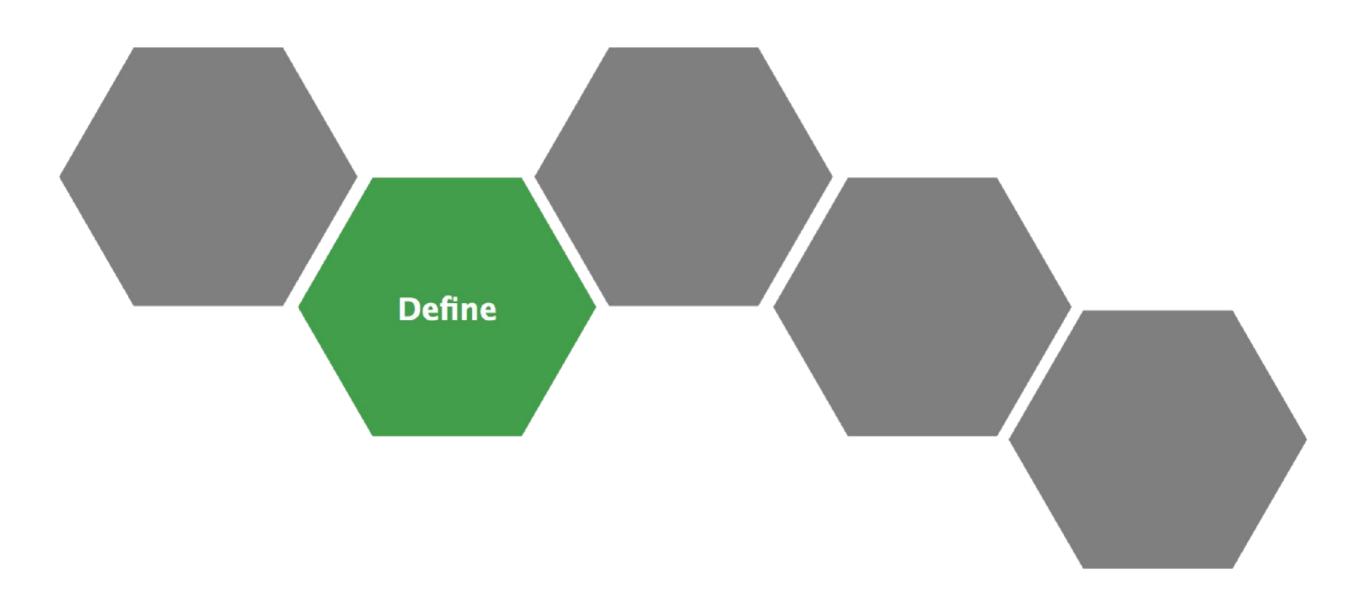
Ask about a specific experience that was memorable

NOTICE Interesting answers, reactions, and body language

FOLLOW-UP Ask why about the things you notice







WARM-UP: draw a VASE





REALIZE NEW INSIGHTS

REFRAME THE PROBLEM.
UNCOVER OPPORTUNITIES.

OBSERVATION INFE



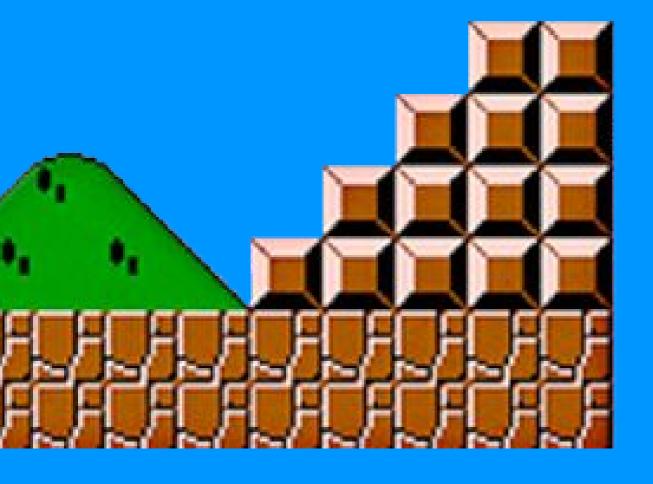


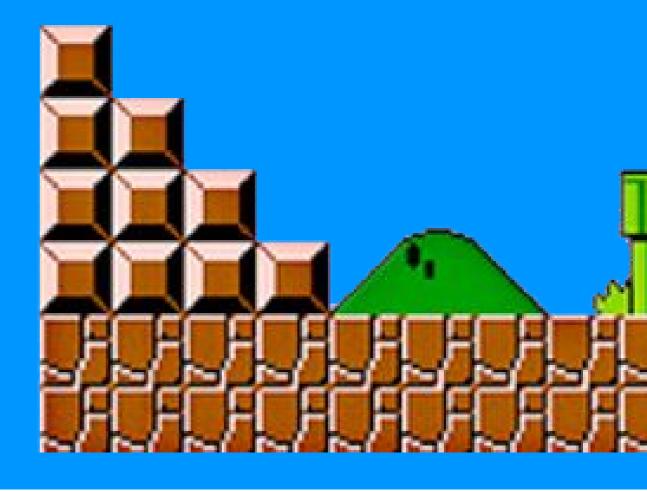
OBSERVATION



INSIGHT/HUNCH











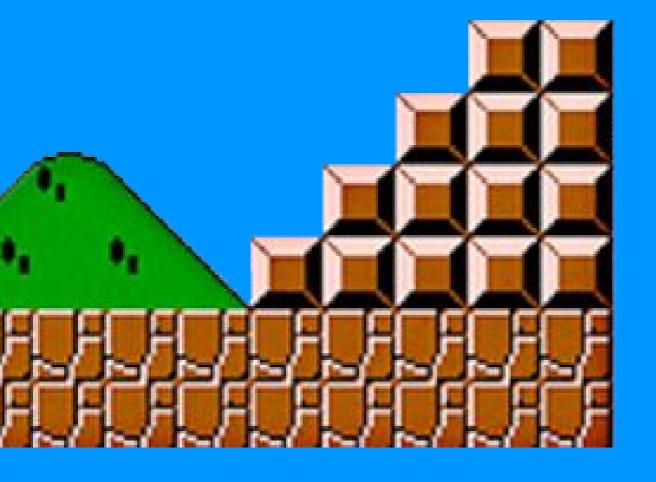


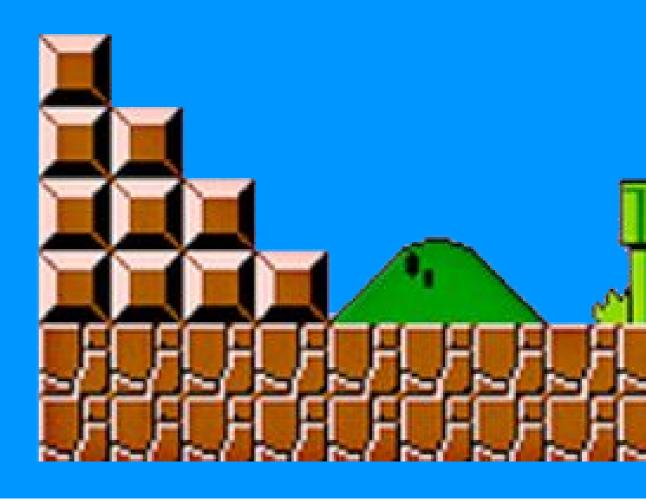
OBSERVATION











OBSERVATION

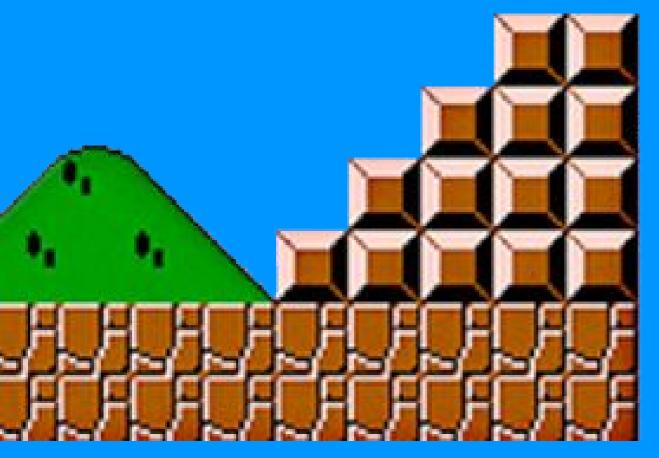
We heard:

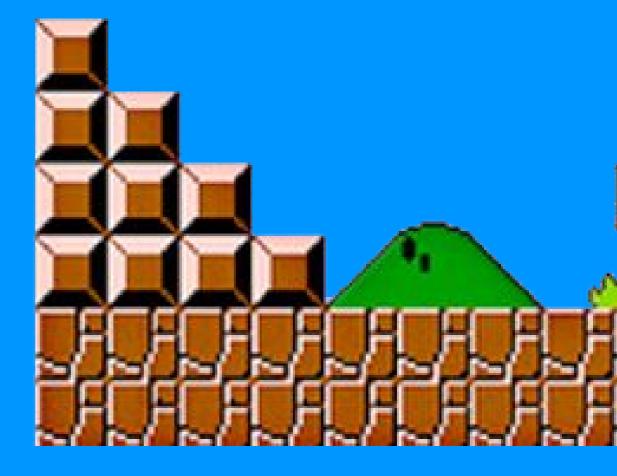
"My brother gets to go to camp, but I can't go"

We observed:

No trophies in the rooms of the sick children, unlike their siblings







OBSERVATION

INFER

INSIGHT/HUNCH

We heard:

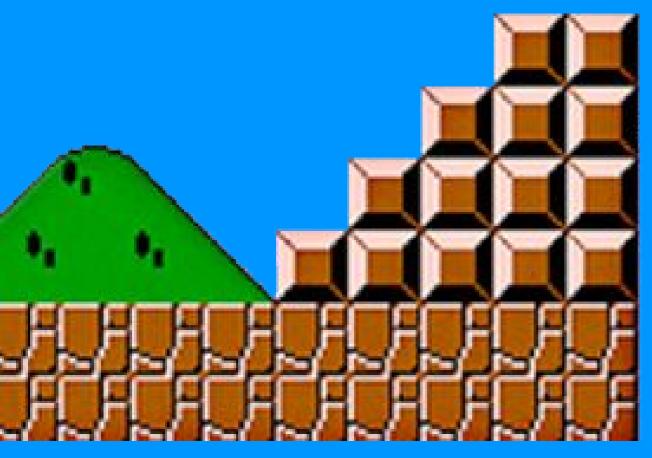
"My brother gets to go to camp, but I can't go"

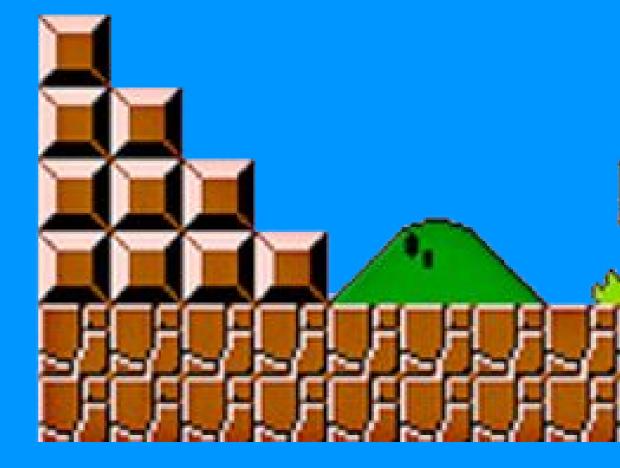
We observed:

No trophies in the rooms of the sick children, unlike their siblings



Life-threatening illnesses suck all the *adventure* out of their lives







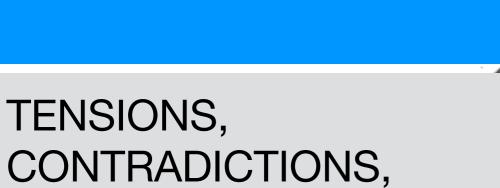




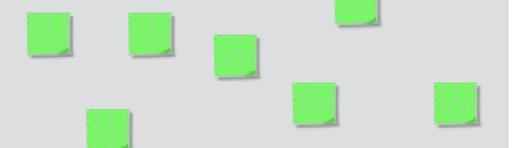
I wonder if this means . . .



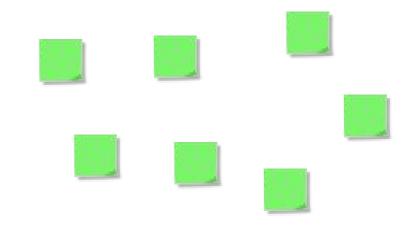




SURPRISES



(POSSIBLE)
INSIGHTS/HUNCHES

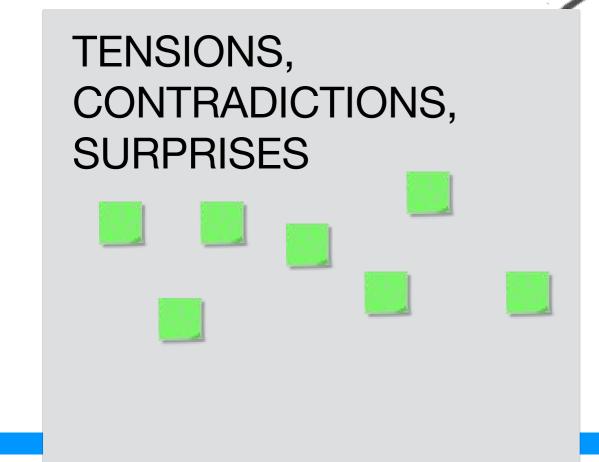


Now it's your turn!

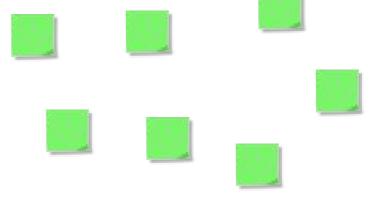


I wonder if this means . . .





(POSSIBLE)
INSIGHTS/HUNCHES



WE MET...

(person you interviewed)

WE WERE SURPRISED TO NOTICE...

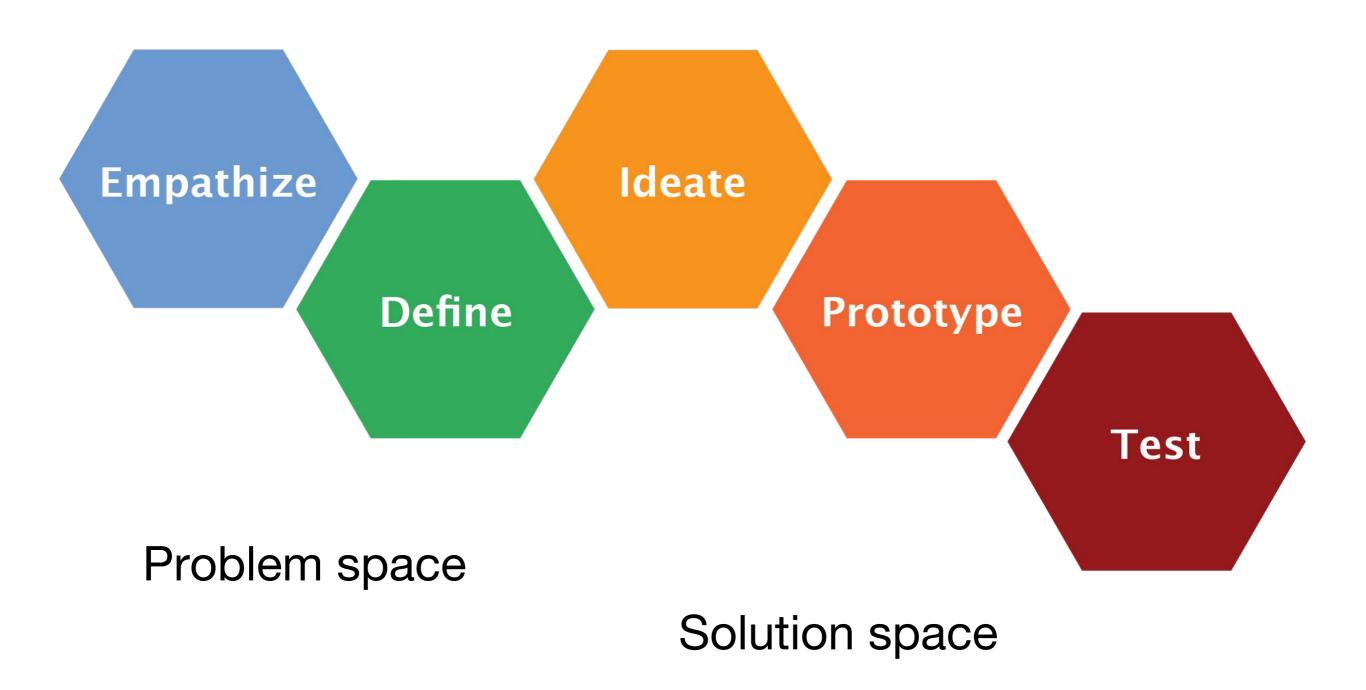
(tension, contradiction, surprise)

WE WONDER IF THIS MEANS...

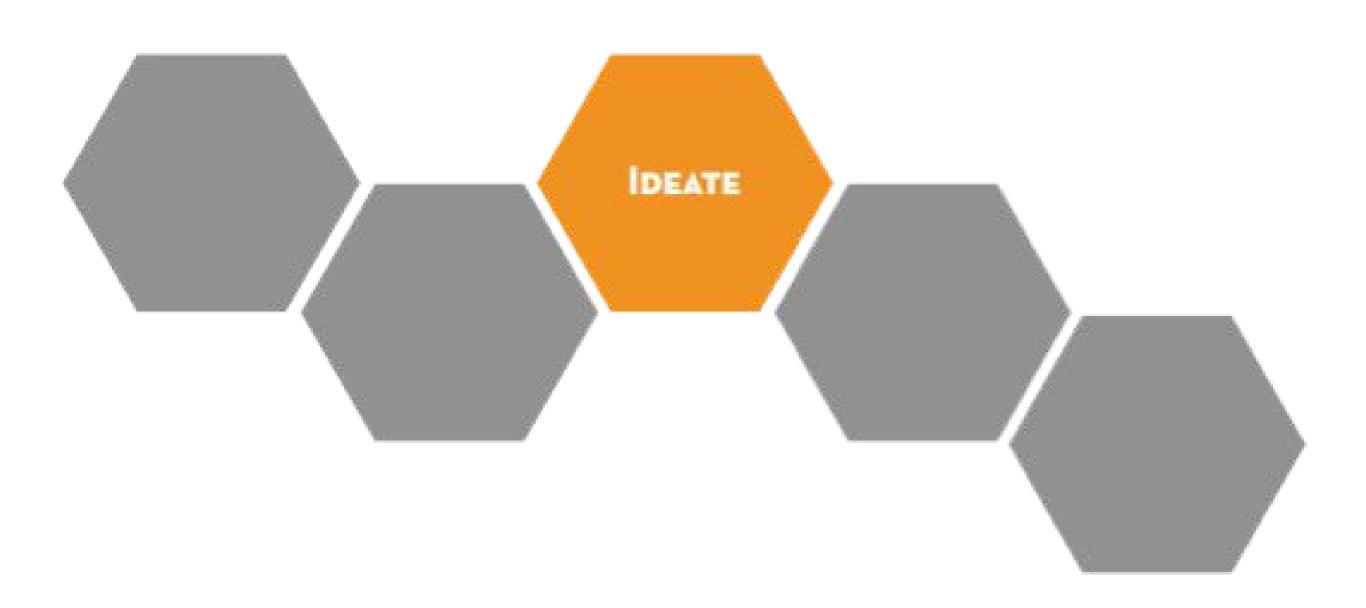
(what did you infer?)

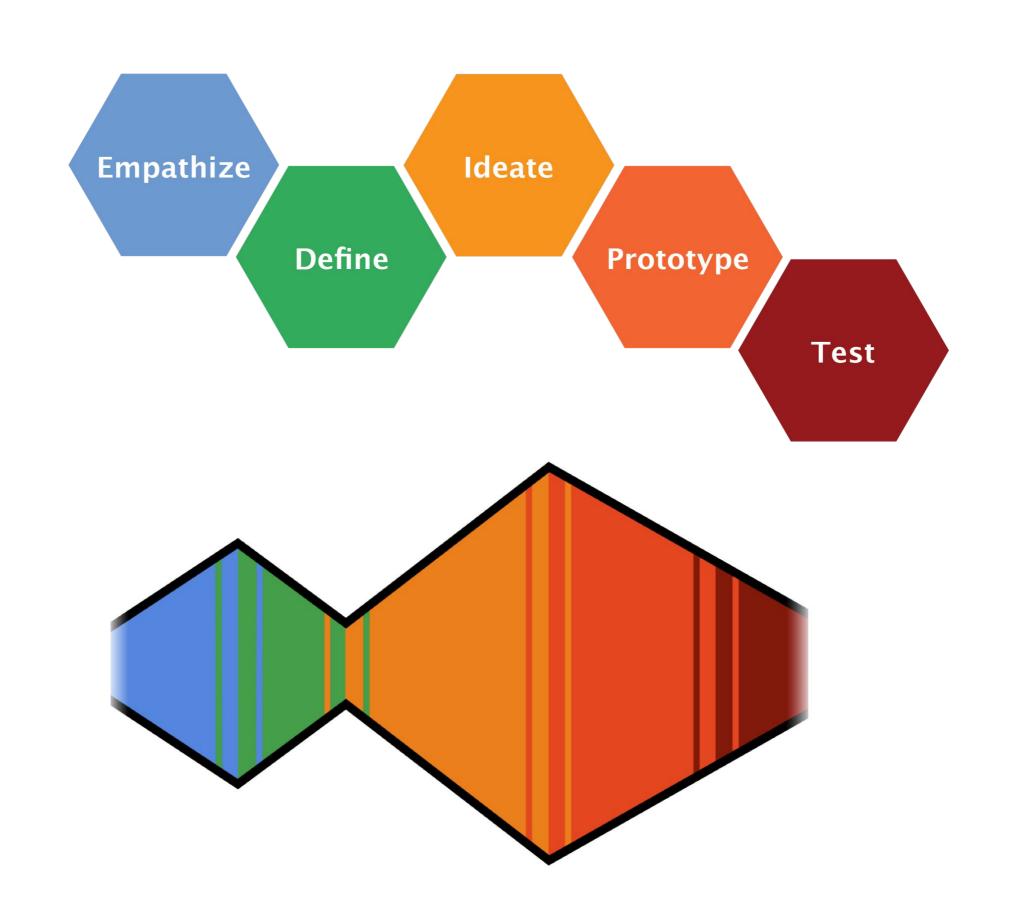
HOW MIGHT WE...

(frame a challenge that doesn't dictate a solution)



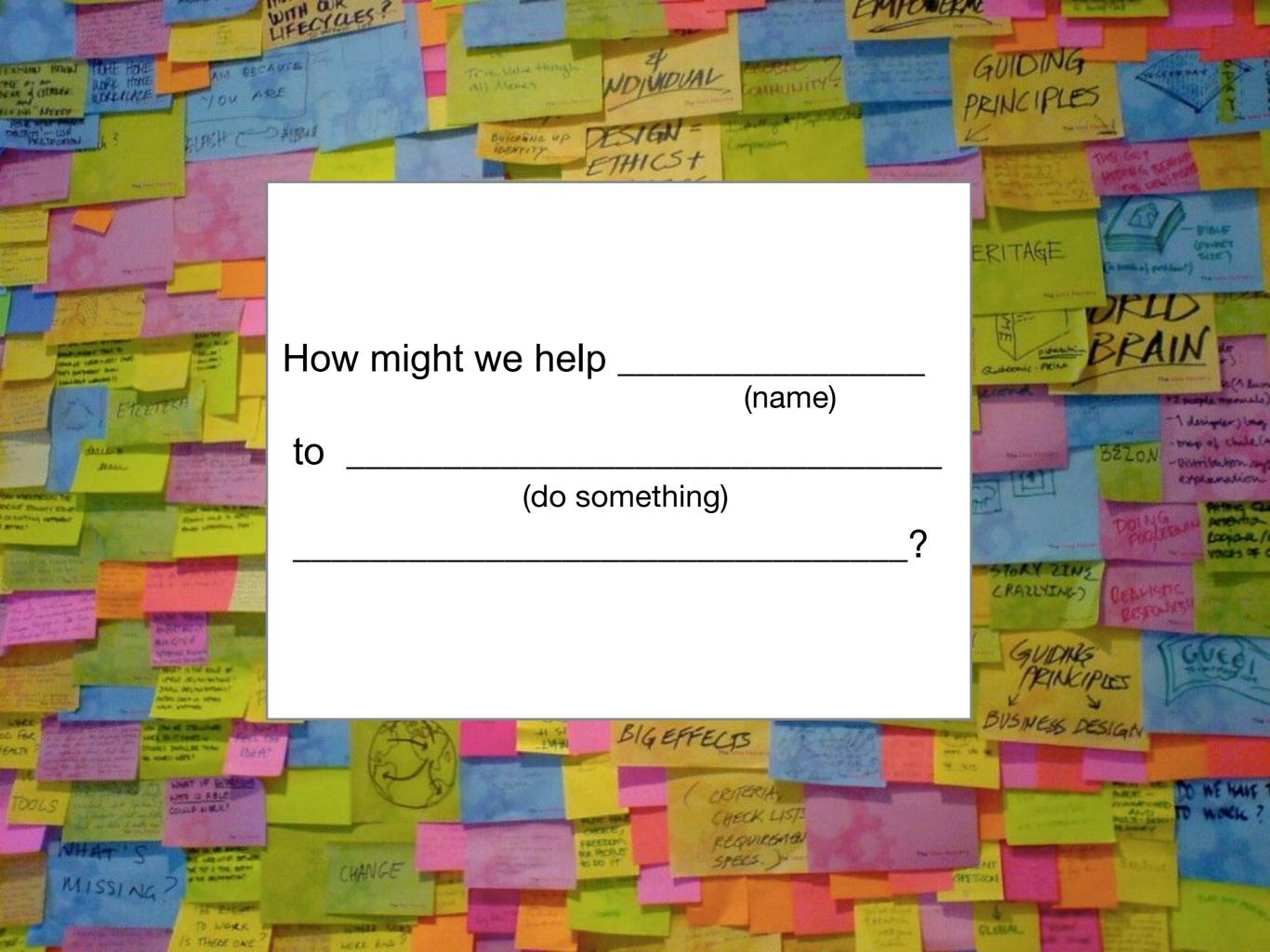




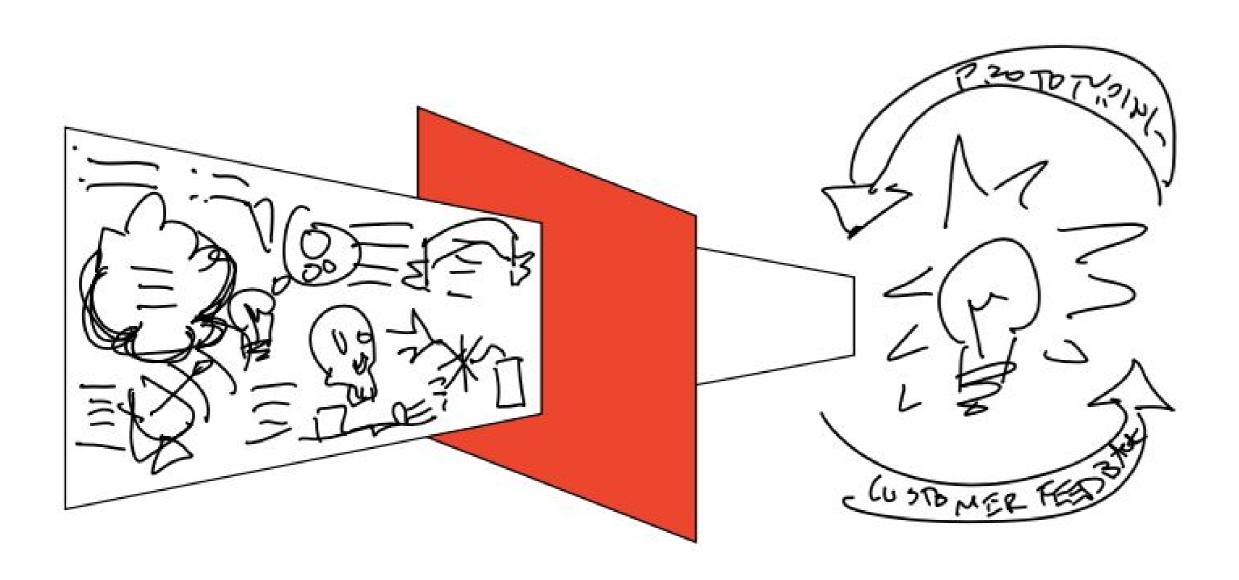








Select ideas, retaining the innovation potential



Do not focus on feasibility for now

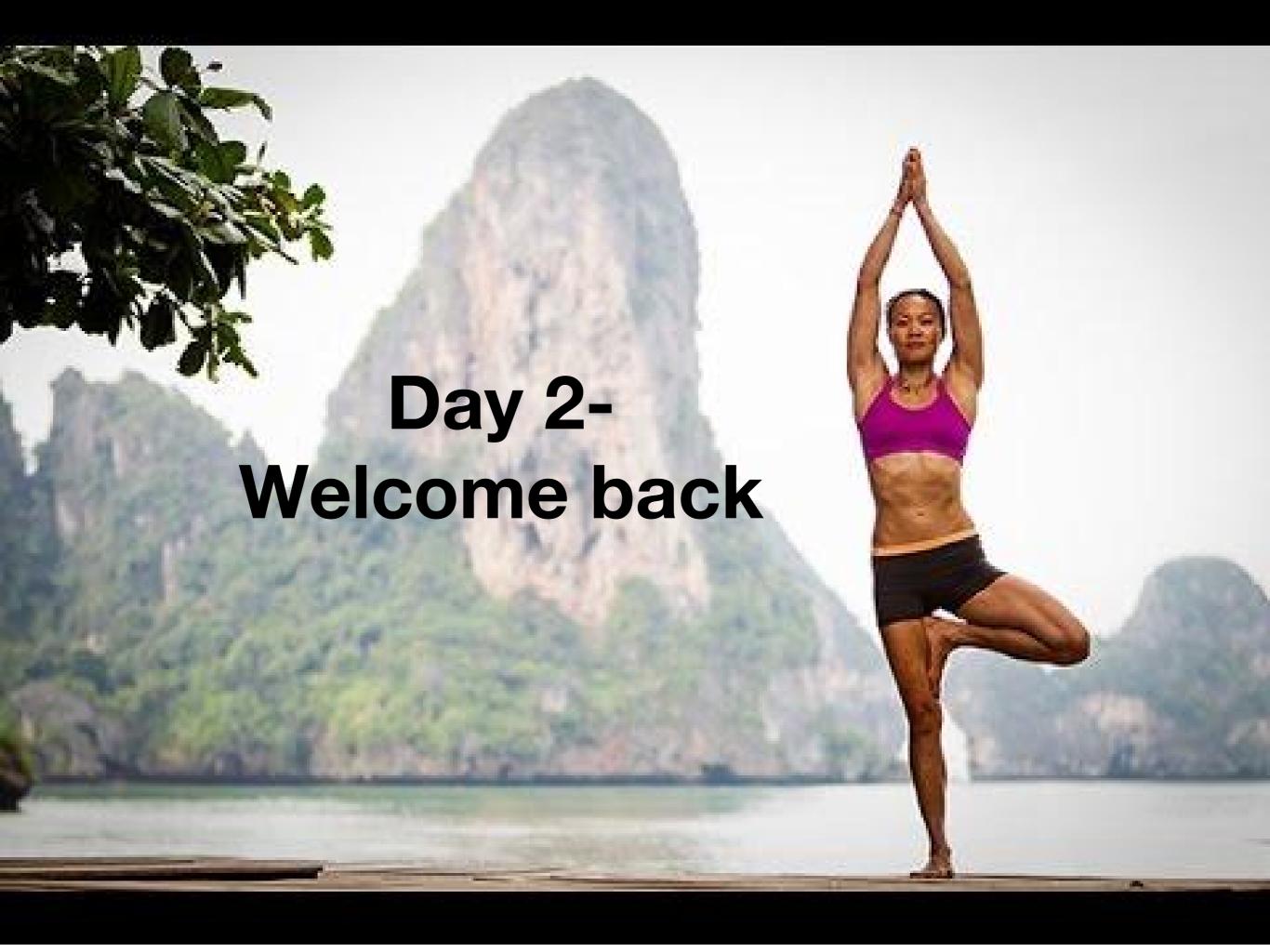


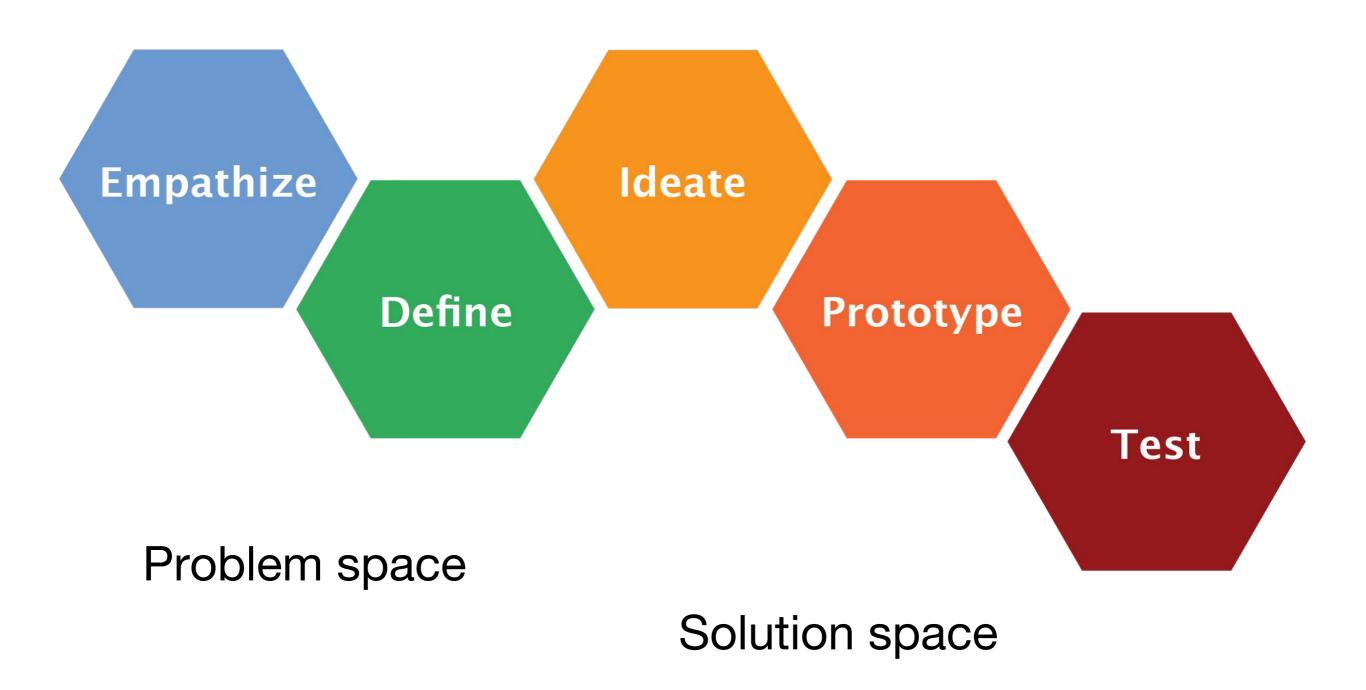
DO IT NOW

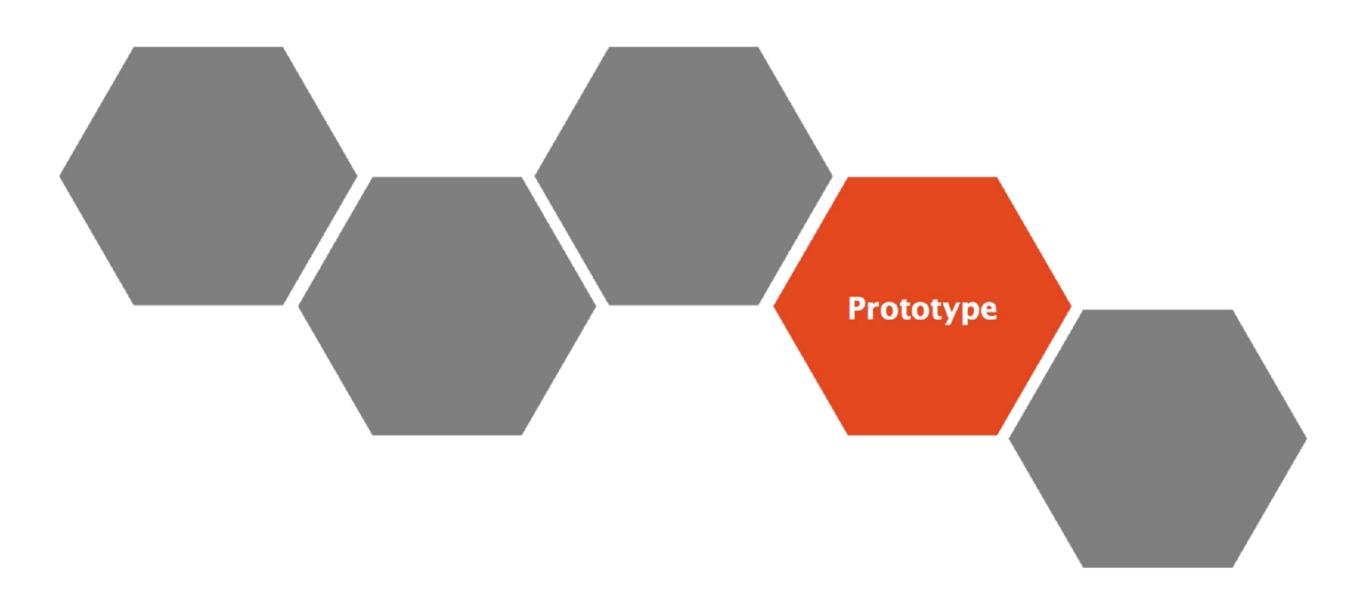
REFLECT

DO IT BETTER

Debrief:: Learning Wall









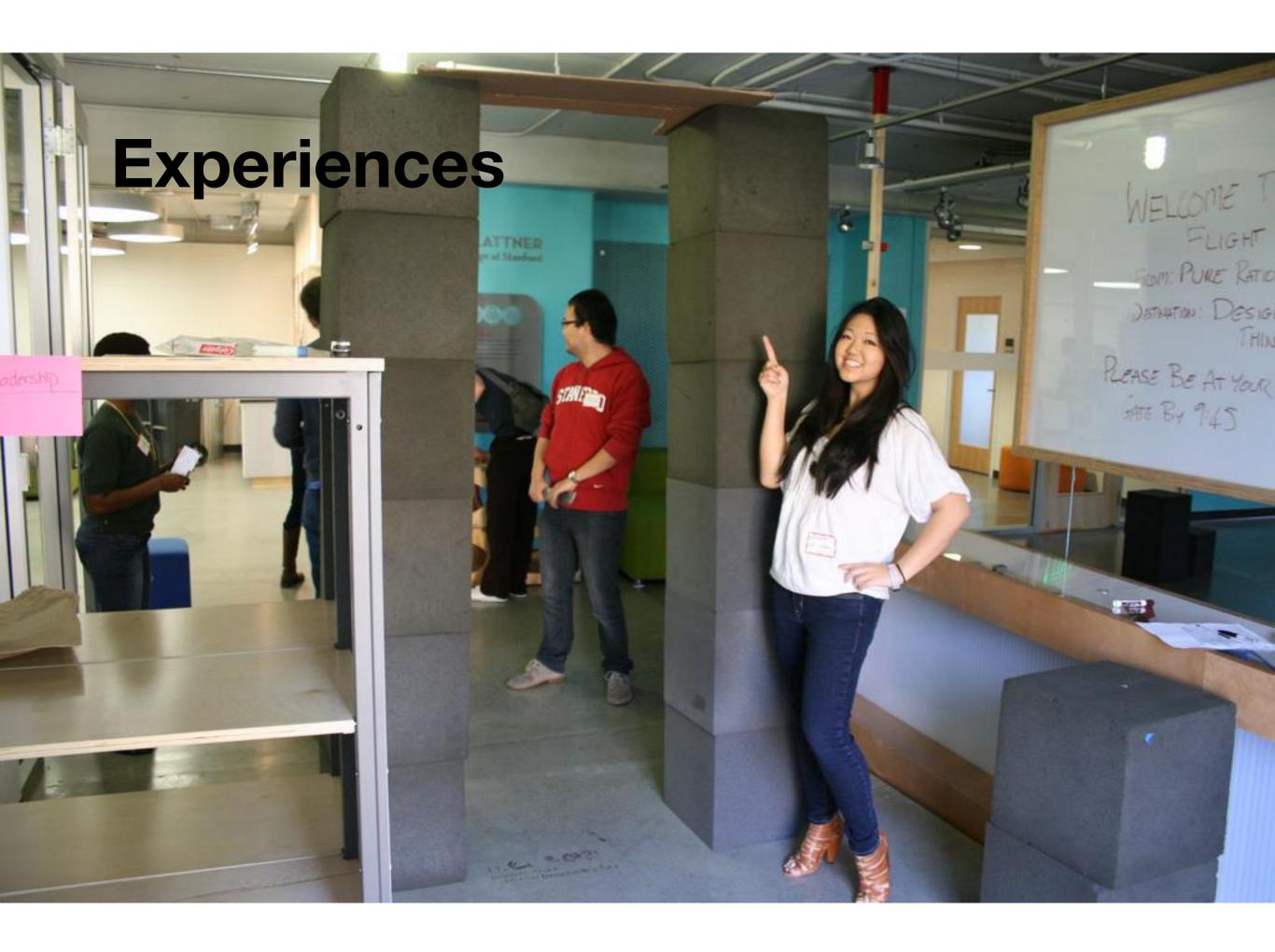




Products









EL BAÑO DEL PAPA (*)

UNA PELÍCULA DE ENRIQUE FERNÁNDEZ Y CESAR CHARLONE

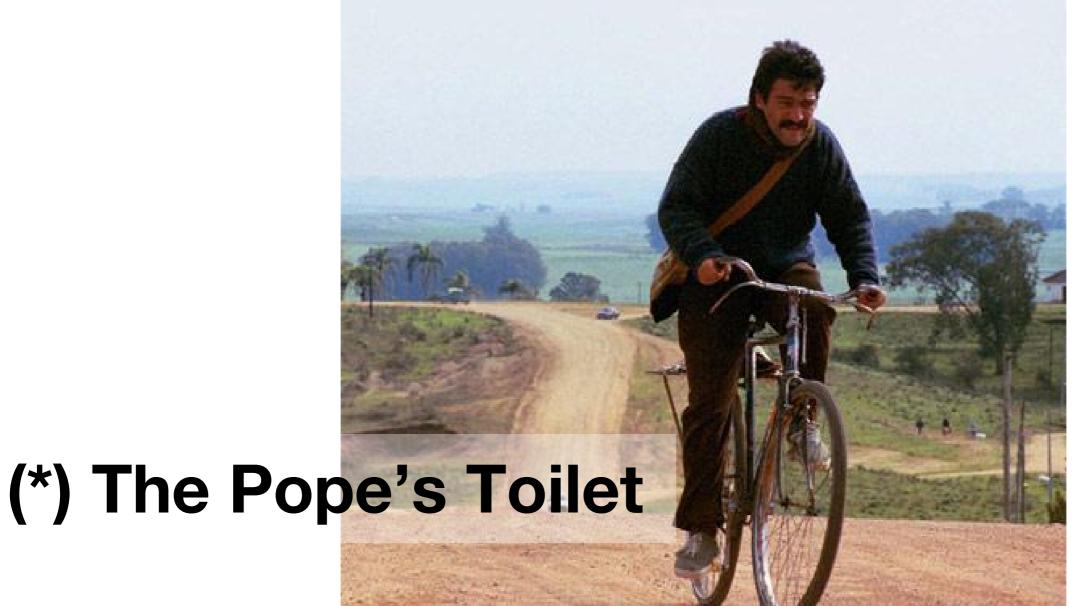
SAMULE PILA INTERNATIONAL Y LANGUE DINC PRODUCTION EL BIÑO DEL PAPA.

EN COPRICUCCIÓN CON ES PRIMES Y CHICA PILAS EN ASCICIONOS CON YESCONOS CONTROCIONES ASCICIONAS ASCICIONES REACCICO PRIMESOS SALONDAY MUSO ROYUMON
CON LA RICICA SO, PROGRAMA INTERNICIA, PONA, PONCES SUN CINICIA MINISTERNI DE LA CONTROL ET DE LA COMMUNICIATION CRIC. MINISTERS DES AFFARICES CHARACTES FRANCIS. MYS SOCIO AUGUSTONI. CHE DI CONSTRUCCIÓN, ARCINE F THE MINISTER OF CRATICAL OF BRAZIL.

CON CELAR TRUMCISCO, VINCINIO MÉNDES, MARIO DESA, VINCINIO MUE, RESANS DOS LINTOS, MORAY DE LEÓN, IDEÉ ARCE Y MELSON LENCE.

MICTORIA CRICIARA, Y CALON ENVINCIA PROMINIOS AUGUSTOS FRANCISCO, CONTROL CRICIA CRICIA CALONIO, AND CARROLLE AUGUSTOS AUGUSTOS MICTORIA MICE OLIMPIO. VESTIGATO ALEMANDA RESISCO CONCE DARREL MÁRQUEZ MUSICA CUCIMO SUPERVICIÓN I REARREL CACALDRESA CON CARROS DE COS GRUEROS DE RESISCADA DESCRIPTO DA RECURSO DE PRODUCCIÓN MINERA MOLINA CARROLLOS DE PRODUCCIÓN SANCIANA VINA COPRODUCTIVES AND HE BALLAR BUREIRO, NO. BUBLINGY, PERMANDE MERKELET PROFESSION PRODUCTIVA POR ELEMA ROLL. WWW.COLTR.EDALLAROSTEPHINA



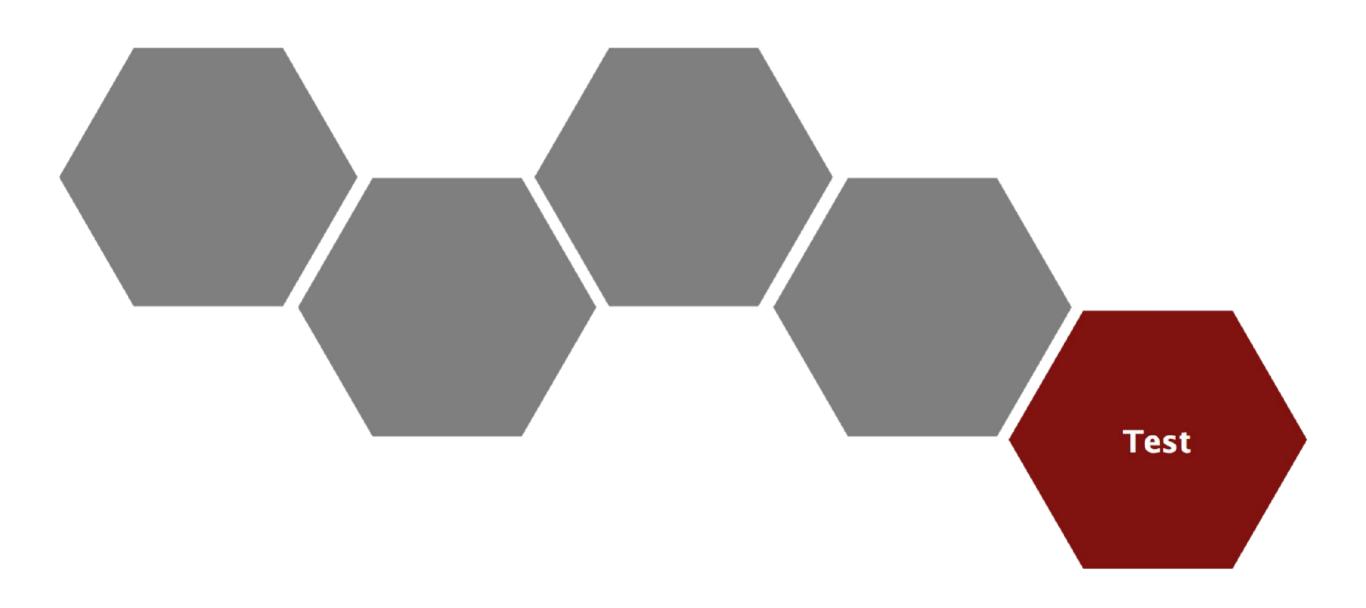




THE ONLY WAY TO DO IT IS TO 8







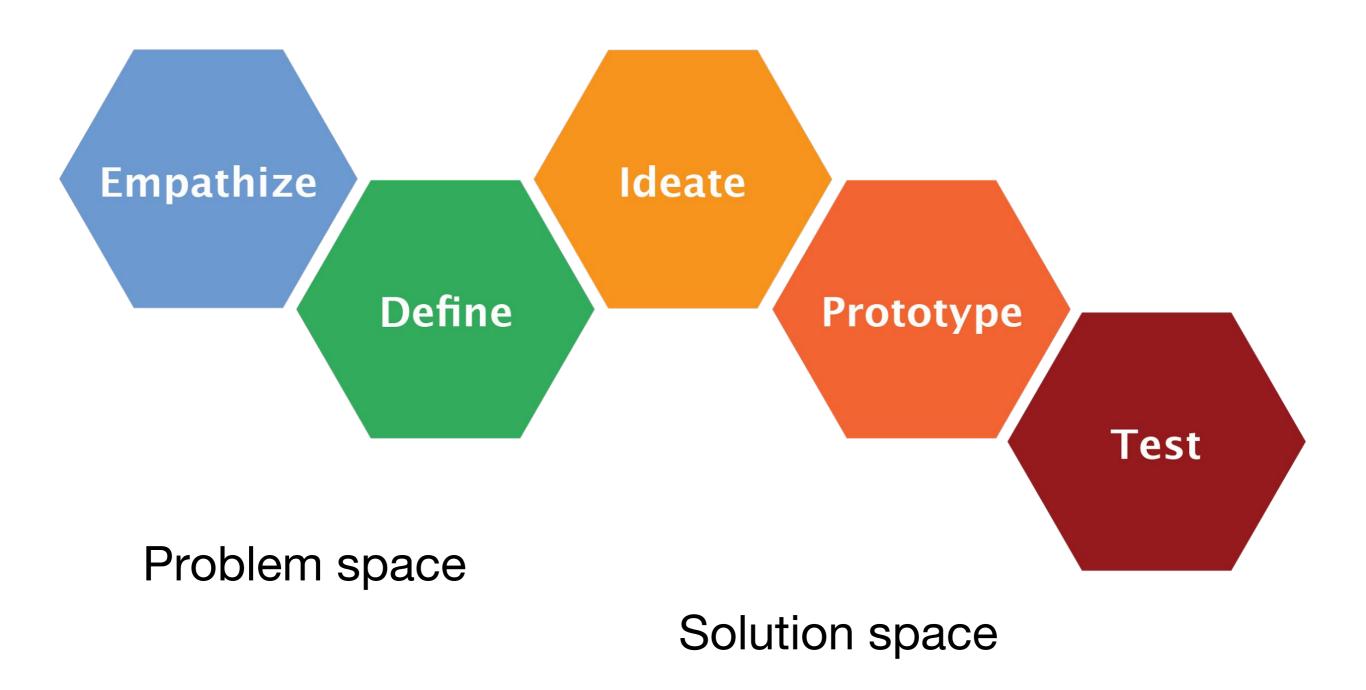


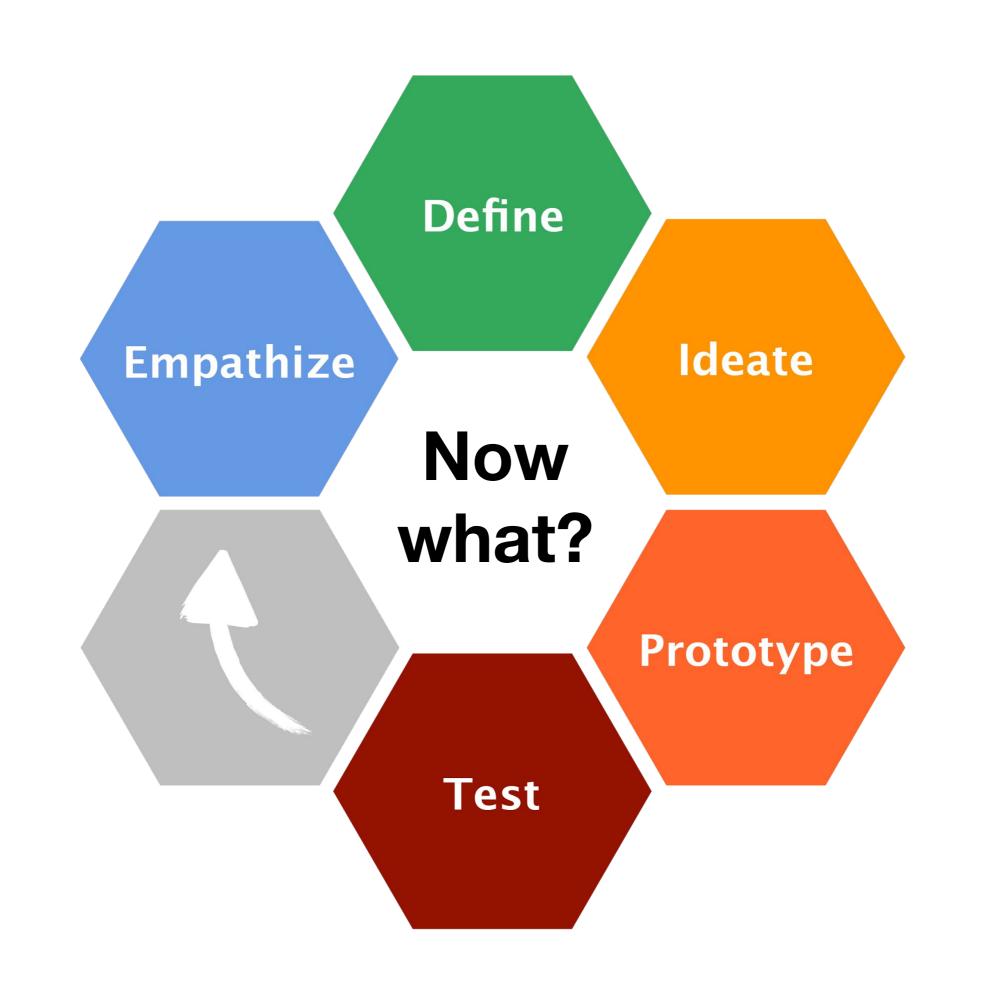




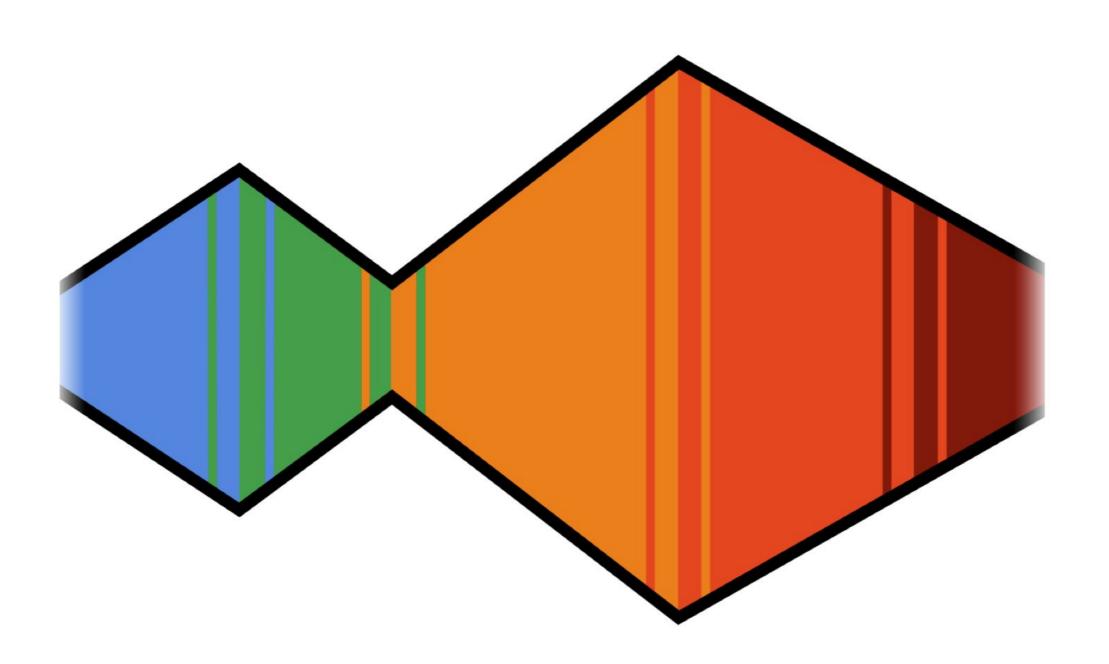


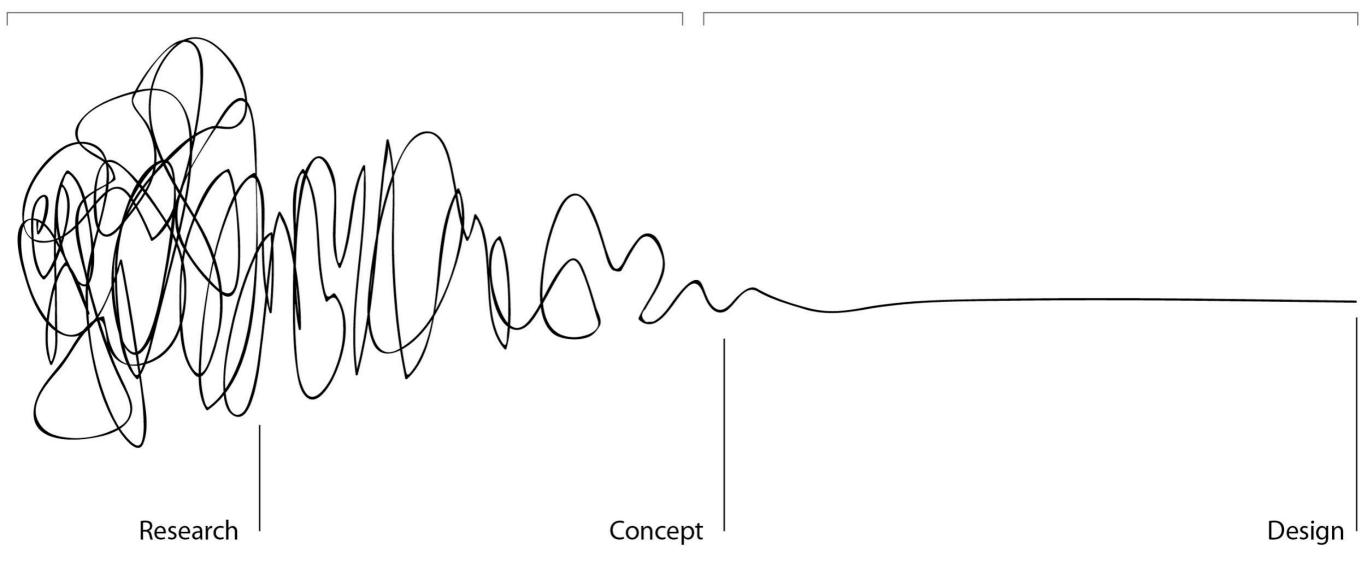






Flaring and focusing





POINT OF VIEW

SOLUTION

WE CREATED...

(your prototype)

WE TESTED IT WITH...

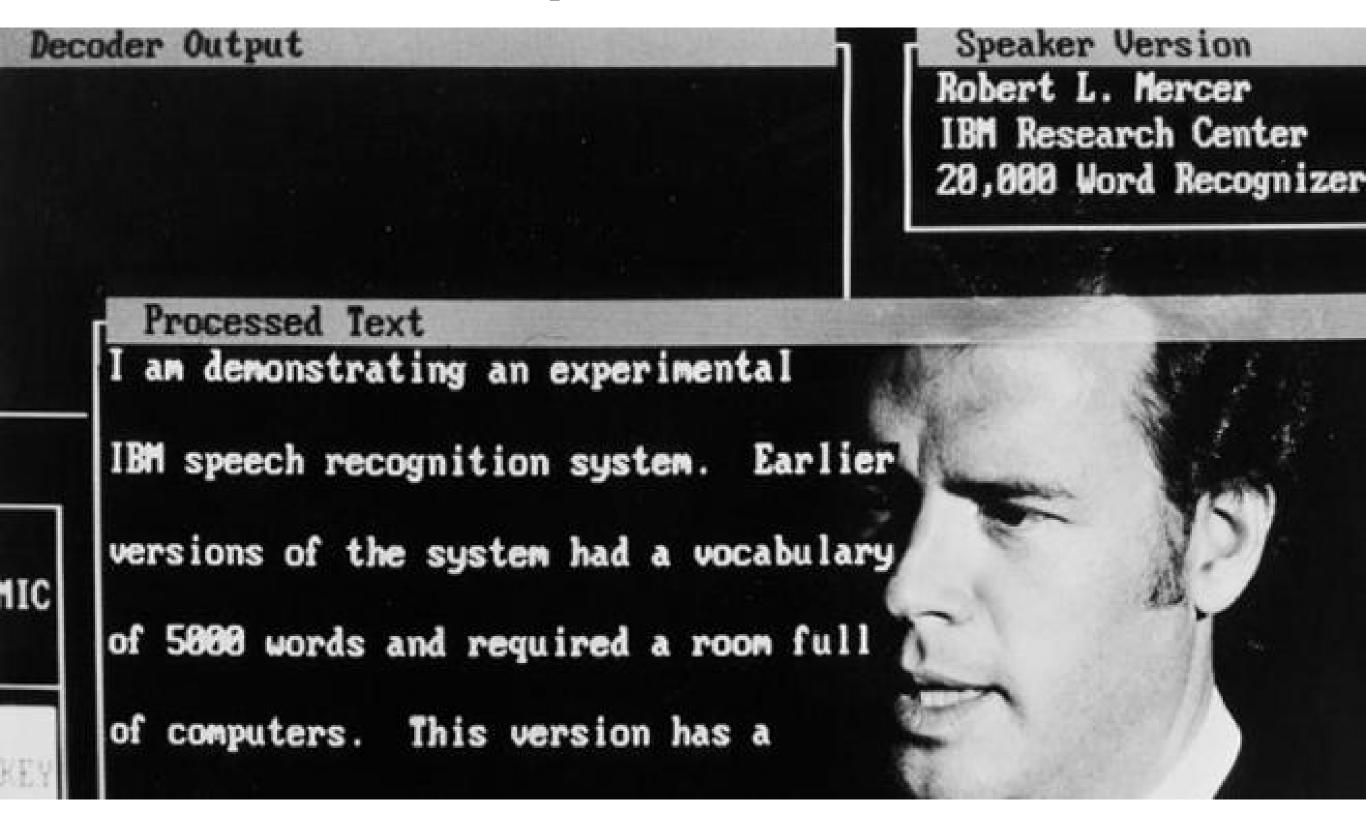
WE THOUGHT IT WAS ABOUT...

(the opportunity you had initially identified)

BUT IT'S REALLY ABOUT...

(a different opportunity)

IBM Speech to Text









Success Stories

Current Partners

Continuing Projects

Participate







Why are 90% of the world's products and services designed for 10% of the world's population?

A paradigm shift has begun.

Designers and engineers have tired of making products that only serve a tiny fraction of the world's population. Businesspeople are working to leverage the power of business models to do good in the world. Philanthropists are looking for ways make charity more sustainable. And social entrepreneurs all over the globe are experimenting with innovative ways to do their job better.

When we bring these people together, exciting things happen.

Lots of individual want to help the poor, but we believe that problems like poverty, disease, and hunger are so big and complicated that no single kind of person has all the necessary tools. The really innovative solutions are discovered-and implemented-through radical collaboration between diverse individuals from different backgrounds, disciplines, and cultures. We help these innovators rally around a common design process, appreciate cultural contexts, develop deep empathy, prototype and iterate ideas rapidly, and sometimes reframe the problem entirely. It's not long before unexpected ideas begin to take shape.

What's our mission? To treat the poor as customers, not as charity recipients.

We believe in listening to the needs the poor tell us about, not assuming we know best. We believe in products and services designed for specific cultural contexts, not just Western hand-me-downs. And we believe that careful attention to design can create innovative-and extremely affordable-solutions to the problems of the other 90%.









Be the Change: Save a Life

Watch ABC's 20/20 new Global Health Series featuring Embrace Infant Warmer



WATCH VIDEO
Learn more about our





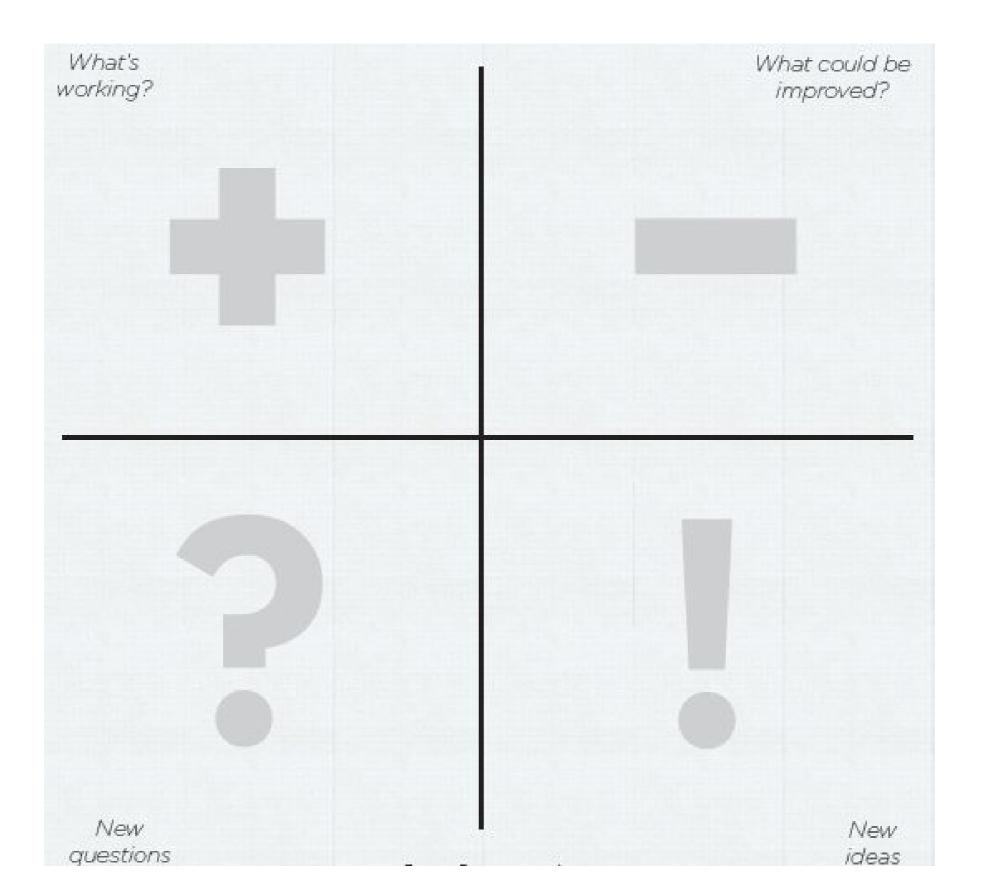
Donate to Embrace







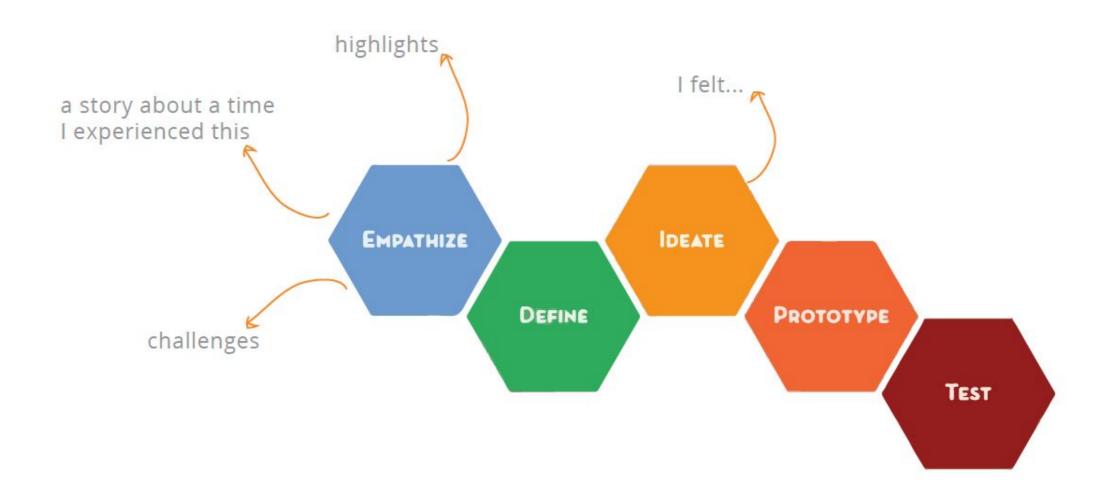
Shareout and Feedback



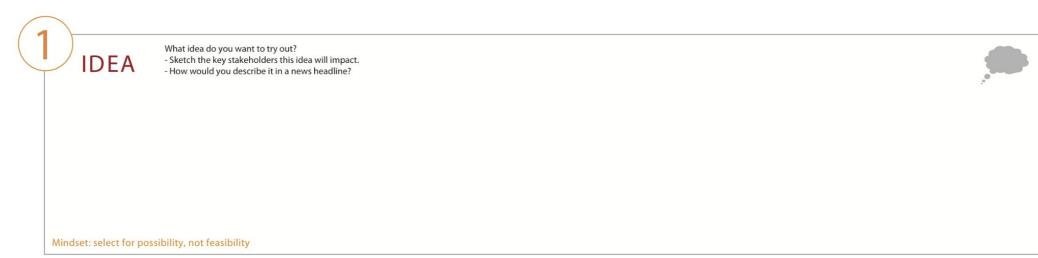
DO IT NOW

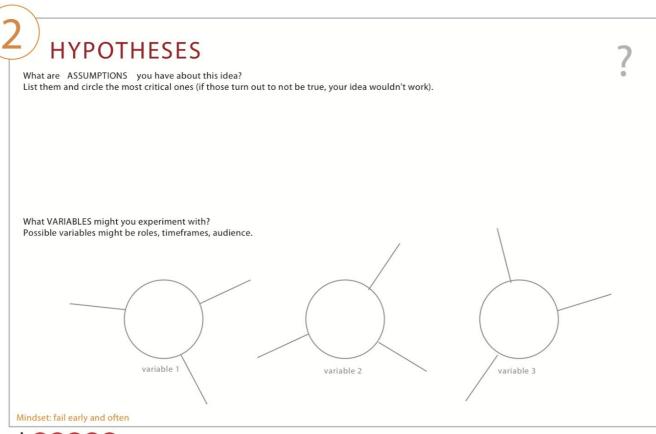
REFLECT

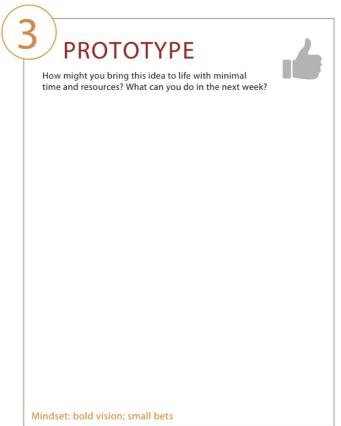
DO IT BETTER



Personal Prototyping Plan











Resources

http://universityinnovationfellows.org/msi-sap-workshop/



• • university op: Introduction to Design Thinking, April 2017
• • • • innovation
• • • fellows

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About

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Faculty Workshop: Introduction to Design Thinking

April 18-19, 2017

Hasso Plattner Institute of Design (d.school), Stanford University

This two-day immersive workshop, hosted by the University Innovation Fellows program at Stanford's d.school in partnership with SAP, served as an introduction to the design thinking process. Attendees were faculty from minority serving institutions as well as University Innovation Fellows. The challenge of how we might align talent development in universities to the needs in tech industries. Interviewed representatives from several Silicon Valley companies.

Workshop resources:

Agenda (pdf)

d.school Tools for Taking Action

Schools represented:

Alabama A&M University

Berkeley City College

California State University, Los Angeles

Delaware State University

Florida A&M University

Norfolk State University

Prairie View A&M University

Santa Monica College

Spelman College

Tuskegee University



universityinnovationfellows.org/aacu2017





HASSO PLATTNER
Institute of Design at Stanford