



Design Thinking, Not just for Tech Labs Anymore

LIFT OFF!

- ✓ Chris, our brilliant producer
- ✓ Chat/Unmute
- ✓ Annotate



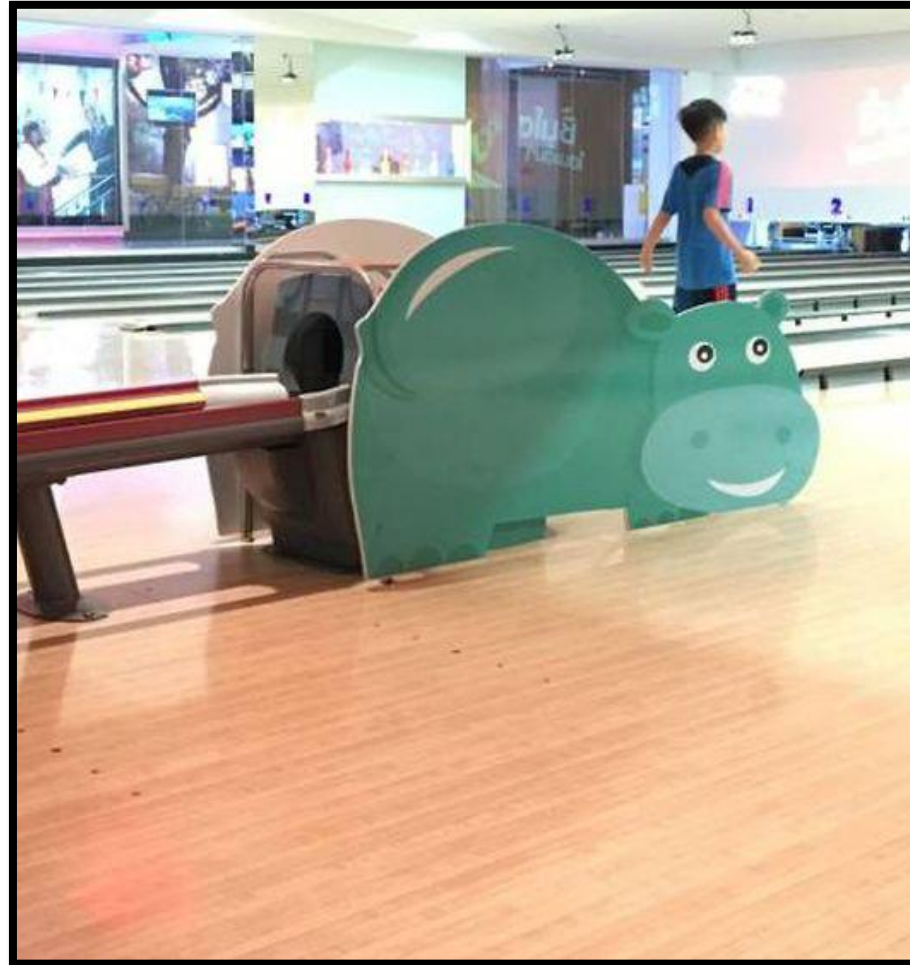
Where Are You From?



Great Design is Everywhere



But, Sometimes They Miss the Mark

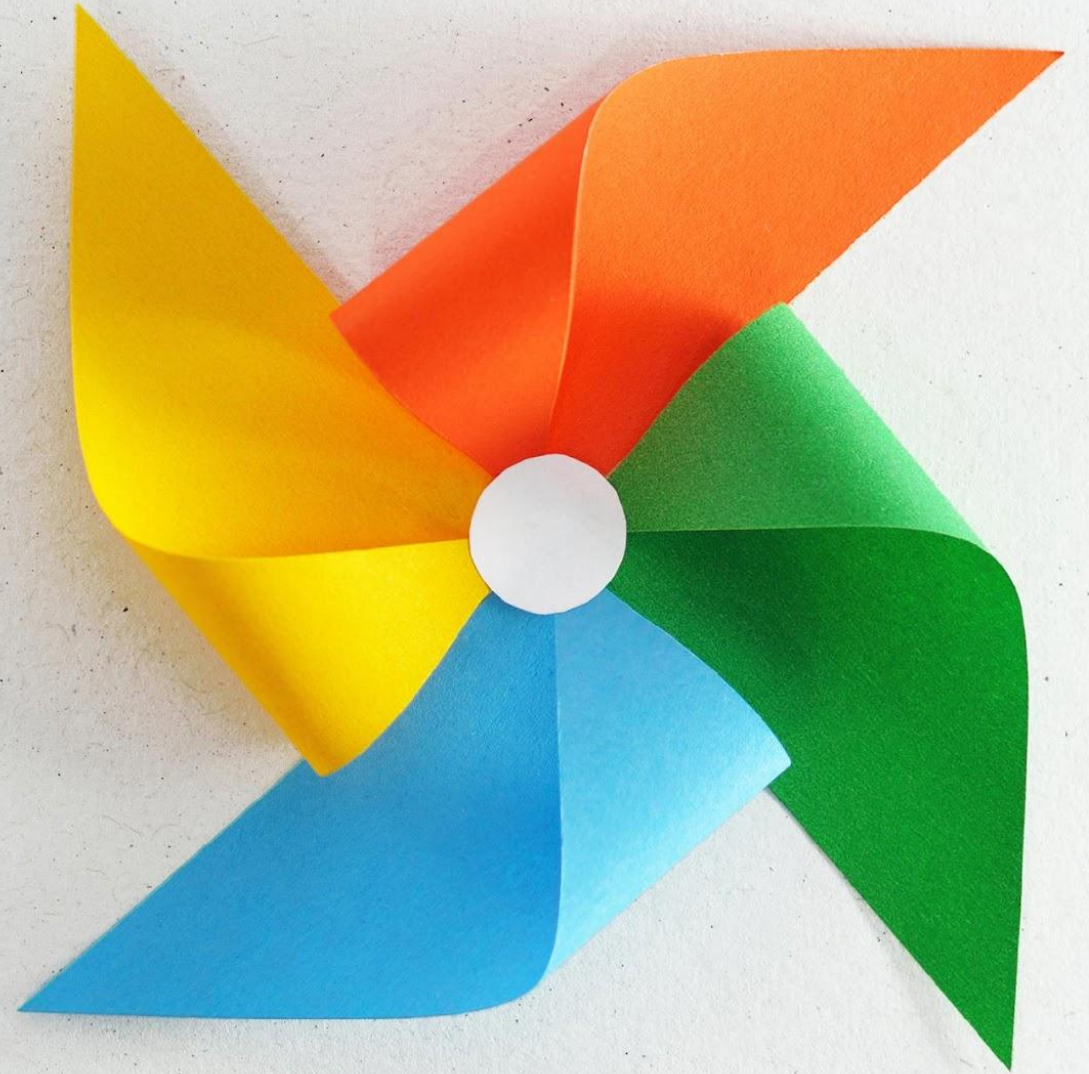


**In the Chat,
What
Business
Issues are
You Working
to
Reimagine?**



Here's What We'll Cover

1. **Design Thinking Process**
(& a quick dive in)
2. **What to Do Next?**



Design Thinking Process



4. Implement

3. Prototype, Test, Refine

2. Develop Potential Solutions

1. Define the Problem

Design Thinking Process

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1. Define the Problem

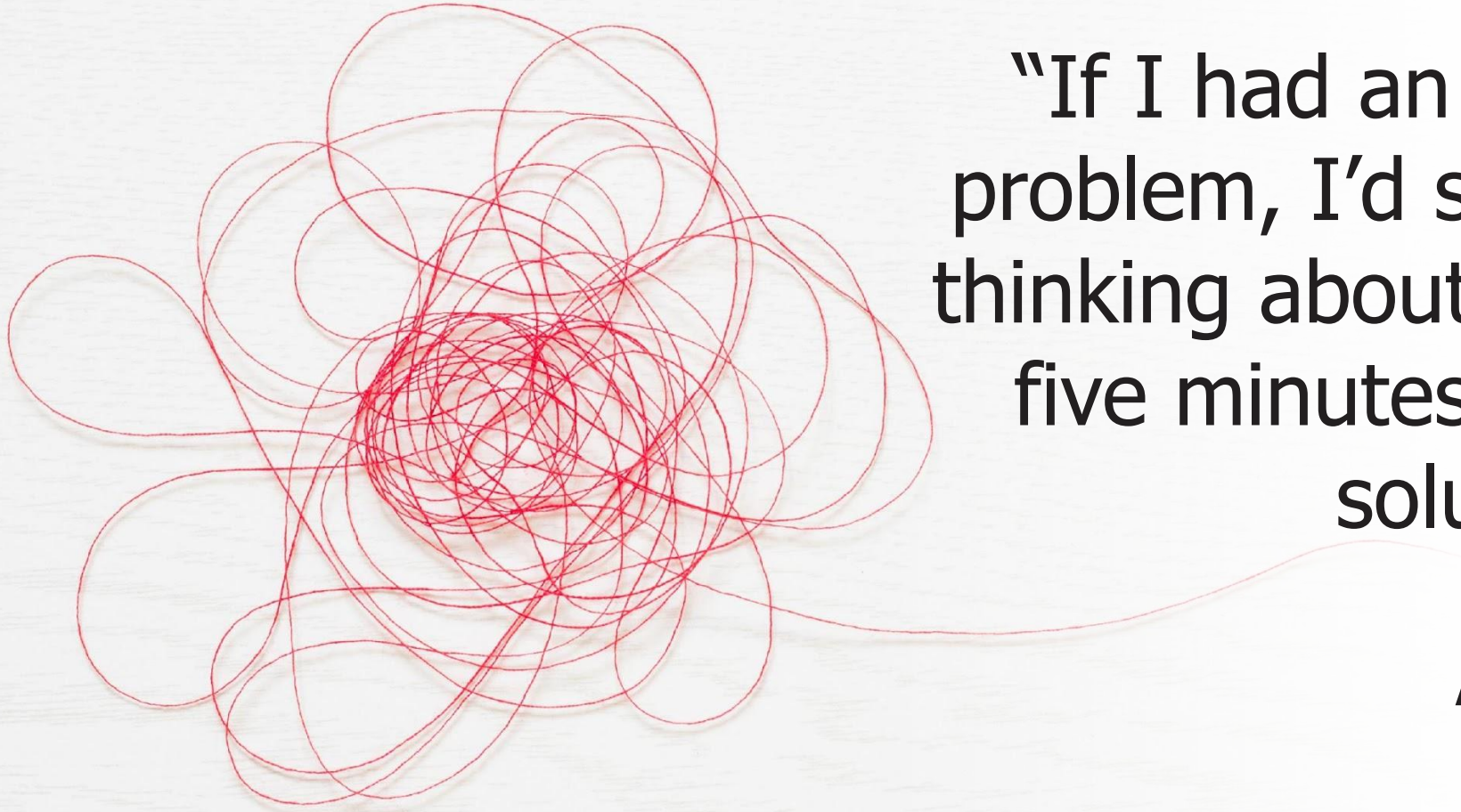
1. Create a problem statement
2. Define a "typical user"



1. Define the Problem

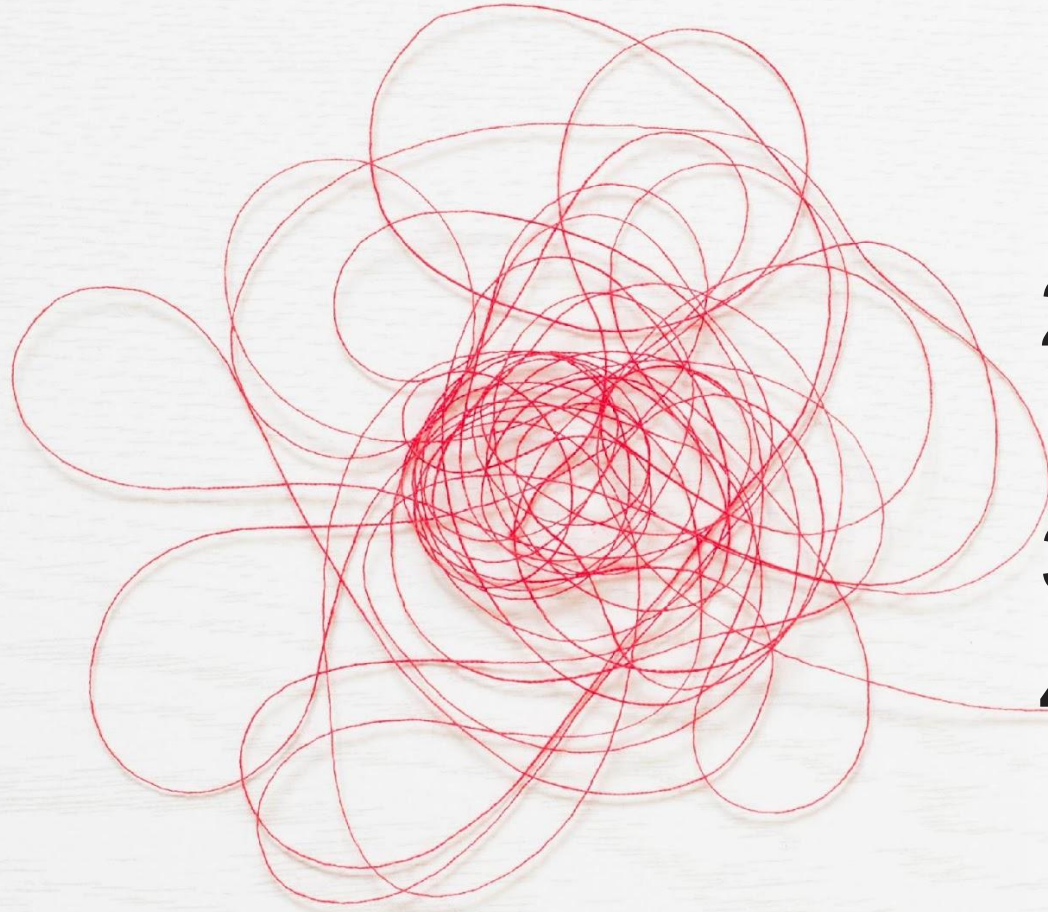
“If I had an hour to solve a problem, I’d spend 55 minutes thinking about the problem and five minutes thinking about solutions.”

Albert Einstein, 1879-1955
German Theoretical Physicist



1. Define the Problem

Use a Problem Statement



1. What's the problem
2. How you know it's an issue
(hint—data and stats)
3. Why it's a problem
4. Solution checklist

This is the wish list for users
Not the answer



LA County Voting Problem Statement

1. **The problem:** 5 million registered voters in LA County were using an outdated system
2. **How you know it's an issue:** Voter turnout was decreasing
3. **Why it's a problem:** Democracy
4. **Solution Checklist:** Something intuitive, easy to use, allows equal access, & can adapt as needs change

1. Define the Problem

Define a “Typical” User

- ✓ Focus groups
- ✓ Interviews
- ✓ Observations
- ✓ Walk in the shoes of the users (try it yourself)
- ✓ Avoid
 - Assumptions
 - Solution, then retrofitting



LA County Voting “Typical” User

- Differently abled
- Non-English speakers
- Unfamiliar with technology
- All ages
- Challenge to get to voting locations



Design Thinking Process

SCAMPER



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1. Define the Problem

SCAMPER: Put to a New Use



**In chat or unmute, how would
Put paper clips to a different
use as a:**

Teacher

Thief

Photographer

2. Develop Potential Solutions: SCAMPER

Substitute

Combine

Adapt

Modify

(Maximize or Minimize)

Put to another use

Eliminate

Reverse



SCAMPER

Substitute



Substitute old paper medical records for electronic ones

Combine



Gregor Mendel,
(1822–1884), Austrian-Czech
Biologist

**Combined math &
biology for genealogy**

Adapt



**Adapt hotel soap to
be single use**

SCAMPER

Modify (max or mini)



1961, Ray Croc (1902-1984)

American Businessman

- Minimize menu & staff: fast food, burgers, no waiters
- Maximize: Sold real estate & franchises

Put to another use



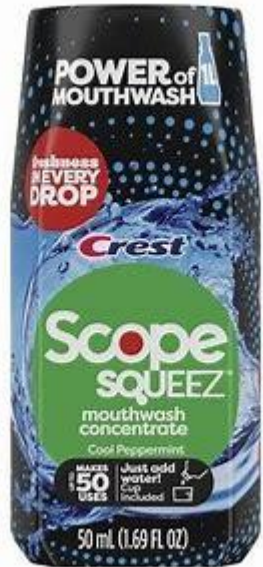
George Washington Carver

(1861?-1943), American Chemist

- Peanut Butter, Flour, Milk, Shampoo, Pomade, Dye, Stains, Wall Boards
- Salted Peanuts

SCAMPER

Eliminate



Eliminate large packaging

- Household items
- Cleaners

Reverse



Hackathons

Started with Meta asking, "How can we pay people to hack our systems?"

LA County Voting Develop Potential Solutions, SCAMPER

- ❑ Adapt to several languages
- ❑ Eliminate the need to travel to different voting sites



SCAMPER: Put to a New Use



What did you come up with?

Teacher

Thief

Photographer

Design Thinking Process

A vertical ladder with 11 rungs is positioned against a blue sky background. A large red arrow with a black outline points from the left towards the third rung from the bottom. The ladder is positioned to the left of the four steps listed on the right.

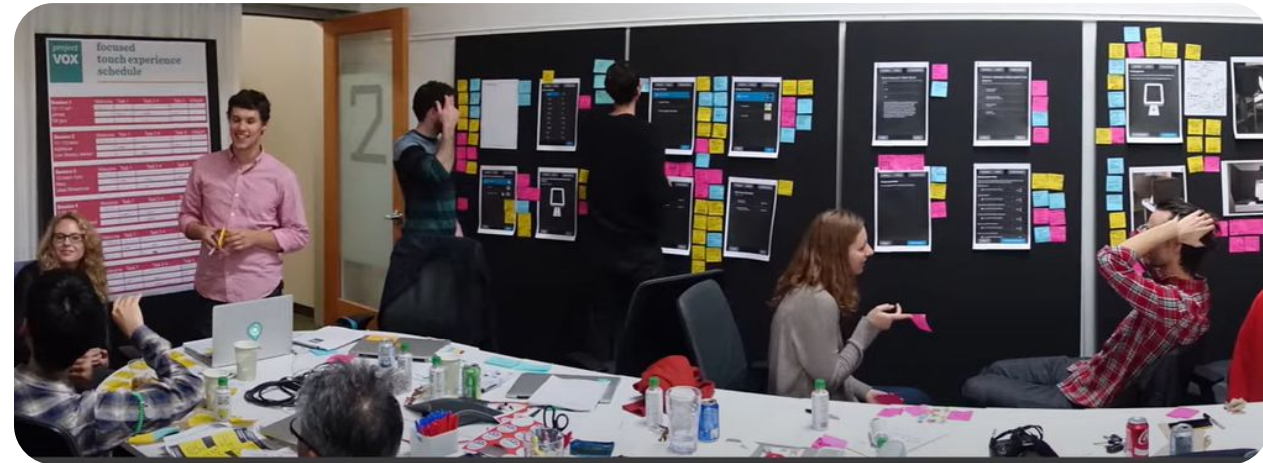
4. Implement

3. Prototype, Test, Refine

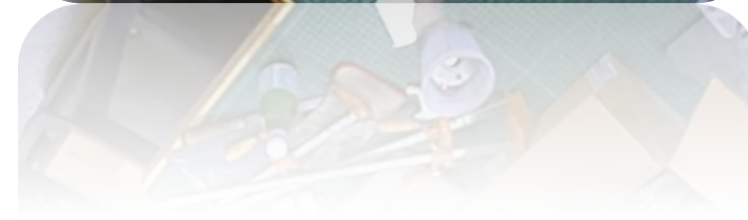
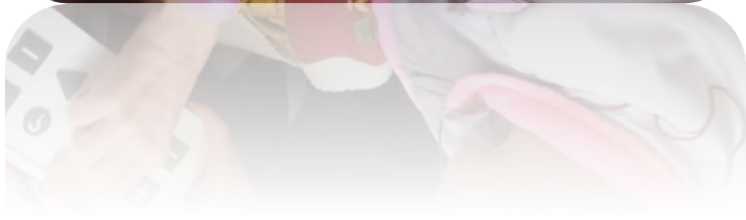
2. Develop Potential Solutions

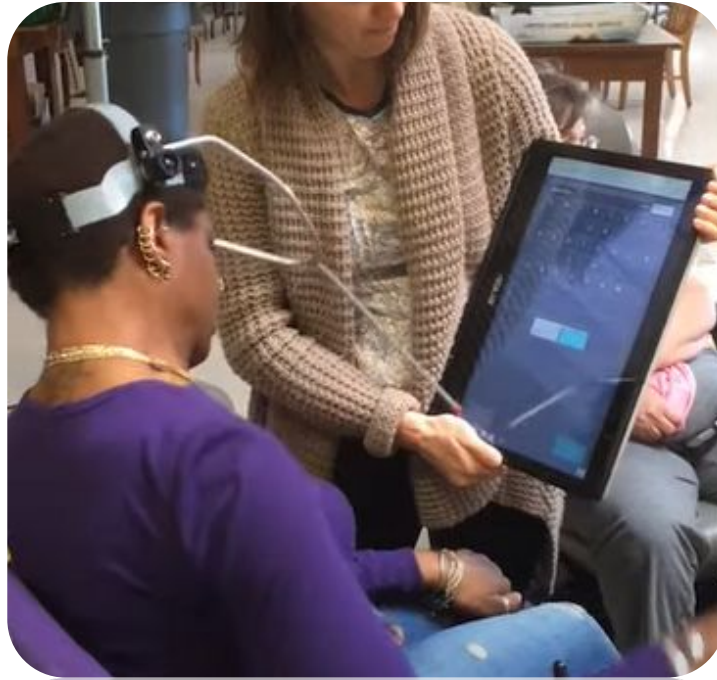
1. Define the Problem

Prototype

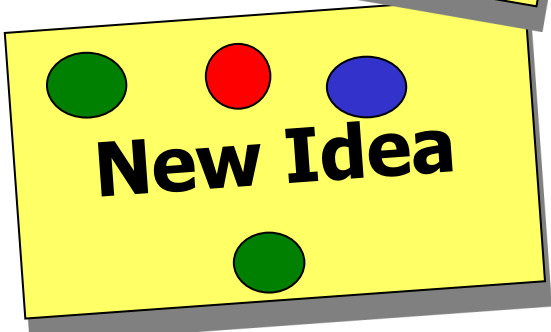
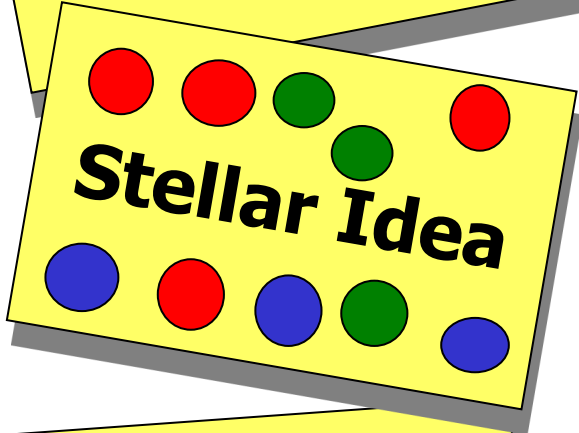


Test



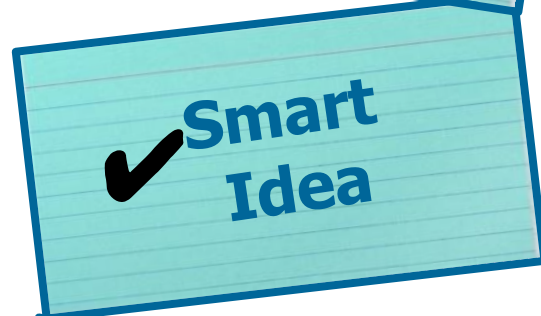
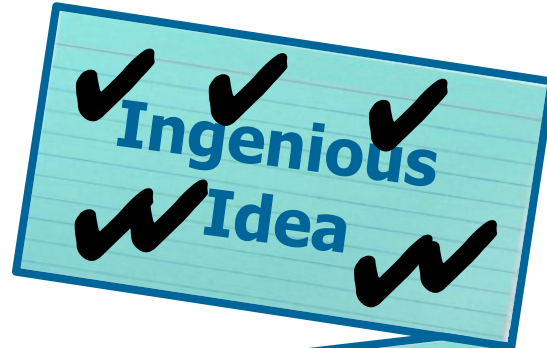


Refine



Colored stickers:

- Red=First
- Blue=Second
- Green=Third



Voting

Design Thinking Process



4. Implement

3. Prototype, Test, Refine

2. Develop Potential Solutions

1. Define the Problem



- ✓ Train relevant stakeholders
- ✓ Create pilot groups
- ✓ Soft Launches
- ✓ “Drip campaigns”
- ✓ Roll out portions
 - Not the whole program
- ✓ Communicate
 - Again
 - And again

Implementation Best Practices

4. Implement



LA County's Solution

A modular voting system

Addresses the needs
outlined in step 1

Can adapt over time



Design Thinking Process

4. Implement

3. Prototype, Test, Refine

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1. Define the Problem

SCAMPER

- 1. Create a problem statement**
- 2. Define a "typical user"**



POLL What was Most Helpful?

4. Implement

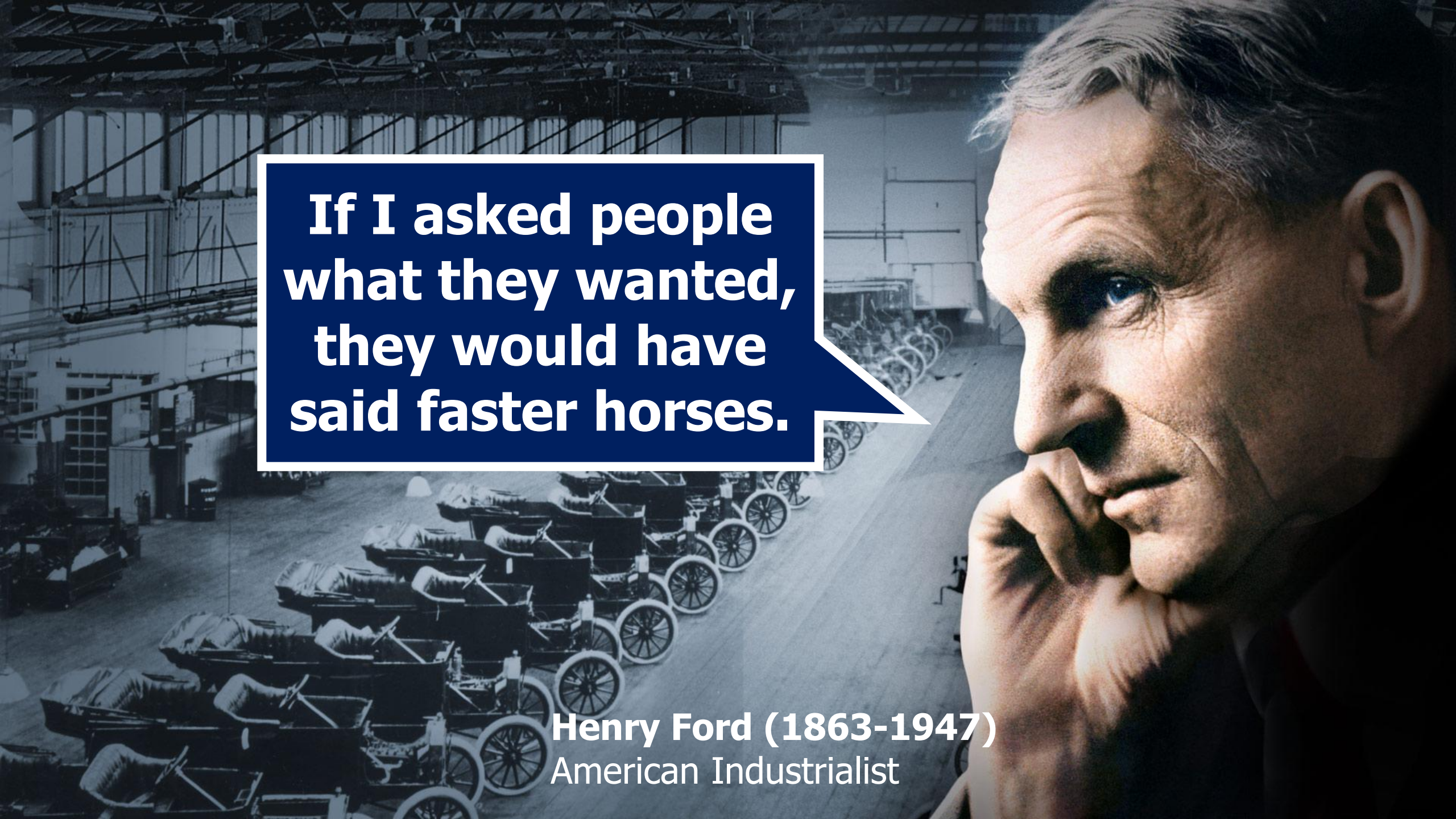
3. Prototype, Test, Refine

2. Develop Potential Solutions

1. Define the Problem

SCAMPER

Create a problem statement & define a "typical user"

A composite image featuring a close-up of Henry Ford's face on the right, looking thoughtfully to the left with his hand on his chin. The background is a large industrial factory floor filled with rows of early 20th-century automobiles. A blue speech bubble with white text is overlaid on the left side of the image.

**If I asked people
what they wanted,
they would have
said faster horses.**

Henry Ford (1863-1947)
American Industrialist

Need More Design Thinking?

4. Implement

3. Prototype, Test, Refine

2. Develop Potential Solutions

1. Define the Problem

SCAMPER

**Create a problem statement &
define a "typical user"**



Ann Marie Morris, President

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