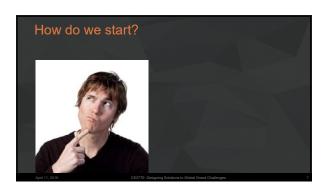


CS377E – Design for Global Grand Challenges Spring 2016 Prof. James A. Landay & Julie Stanford Stanford University





"Might" lets you defer judgment
helps people to create options freely
opens up more possibilities



POV: Harried mother of 3, rushing through the airport only to wait hours at the gate, needs to entertain her playful children because "annoying little brats" only irritate already frustrated fellow passengers.

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Break POV into pieces
HMW entertain kids? HMW slow a mom down?

Amp up the good/Remove the bad
HMW separate kids from fellow passengers?

Explore the opposite
HMW make the wait the most exciting part of the trip?

Question an assumption
HMW entirely remove the wait time at the airport?

POV: Harried mother of 3, rushing through the airport only to wait hours at the gate, needs to entertain her playful children because "annoying little brats" only irritate already frustrated fellow passengers.

Go after adjectives

HMW we make the rush refreshing instead of harrying?

ID unexpected resources

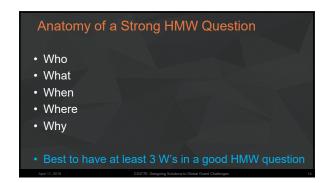
HMW leverage free time of fellow passengers to share the load?

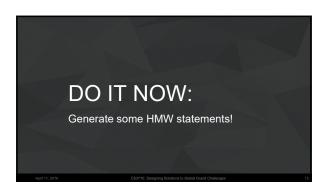
Create an analogy from need or context

HMW make the airport like a spa?

Change a status quo

HMW make playful, loud kids less annoying?



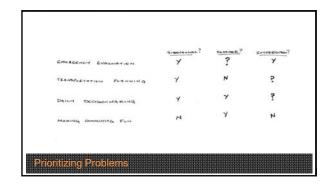


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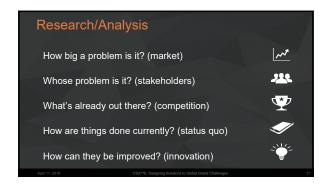
Break POV into pieces
Amp up the good/Remove the bad
Explore the opposite
Question an assumption
Go after adjectives
ID unexpected resources
Create an analogy from need or context
Change a status quo

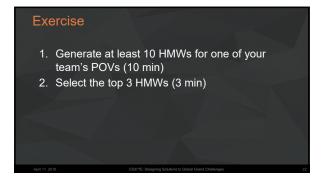


















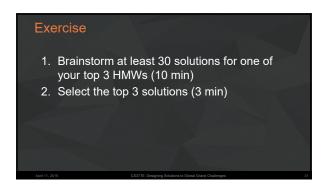


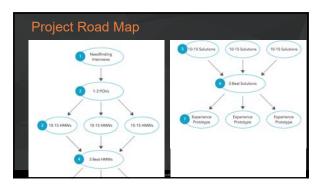


Dark Horse Idea 1. Dark: explores a space that is risky, radical or orthogonal 2. Brainstormed after more traditional HMW/ideas 3. Possible to prototype & test (can't be infeasible)

Celebrate the success of the brainstorm, take a break, vote! Option 1: Heat map voting Everyone starts with an unlimited number of votes (small dots) Then everyone gets 3 final votes on their absolute favorites (large dots) and 1 bonus dark horse vote Option 2: Category voting Each person gets a specific number of votes (i.e., 5) Specific categories (Most feasible idea, Craziest idea, Best long shot, my favorite but improbable, short term solution, etc.)

Heat Map Voting + Prototyping Exercise Take the dots that are on your tables Everyone gets an unlimited number of votes with little dots. After this cycle is complete, everyone gets 3 votes with large red dots and 1 bonus dark horse vote with the blue dot. Next, before discussing the ideas, everyone should individually draw a sketch or storyboard of what their favorite idea (or combo of ideas) is Then share with each other and use this artifact to facilitate the conversation





Next Time • Lecture - Design Exploration & Experience Prototyping • Project - Turn in 3 Final POVs (based on today's feedback) - 10-15 HMWs for each of at least 3 POVs (present top 3 HMWs for each POV on Wed)