

Challenge Projects

Navigating a Project (through a sprint cycle)



The Stages

Adapted from Agile Method &
Scrum & Design Thinking

Understand

Ideate

Narrow

Build

Test

Present (for Winternships)

Understand

Your Challenge

Ask lots of questions

Do research

Know your milestones and deadlines

Schedule your time

Ideate

Possible solution

Sketch out lots of ideas

No idea is a bad idea

Get out anything that comes to mind

Build on ideas

Narrow

To select a solution to build

Find common threads

Choose an approach

Be able to explain why you chose it

Check other considerations (handout)

Build

Something you can show

Build quickly

Create a mockup or prototype

Keep it simple

Stub parts of the experience

Test

It out to refine your solution

Set the context

Share your idea/design

Talk to more than one person

Incorporate feedback

Present

Your “finished” product

Show whatever you have

Share your journey

Use the guidelines you get today

Let's Practice

Understanding your Challenge

How might we improve the lives of New Yorkers?

- Think
- Pair Up
- Share



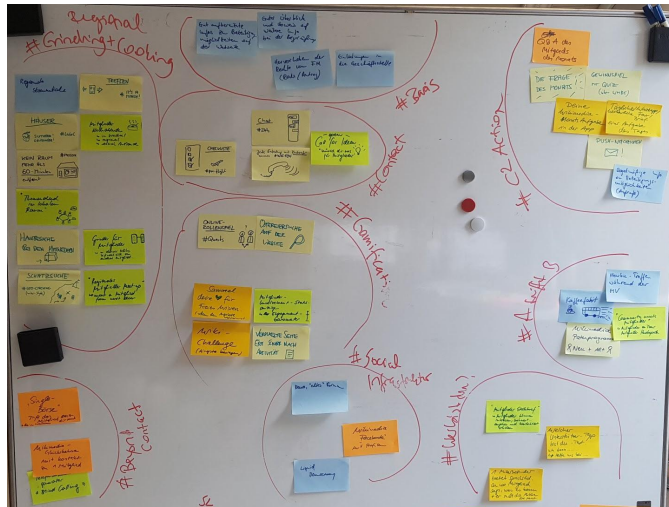
Ideation

- This is not the time to consider reality and circumstances
 - The technology exists
 - Money is no object
 - Time is never ending
 - No laws against
 - Everyone supports it
- Crazy 8s - Idea Generation

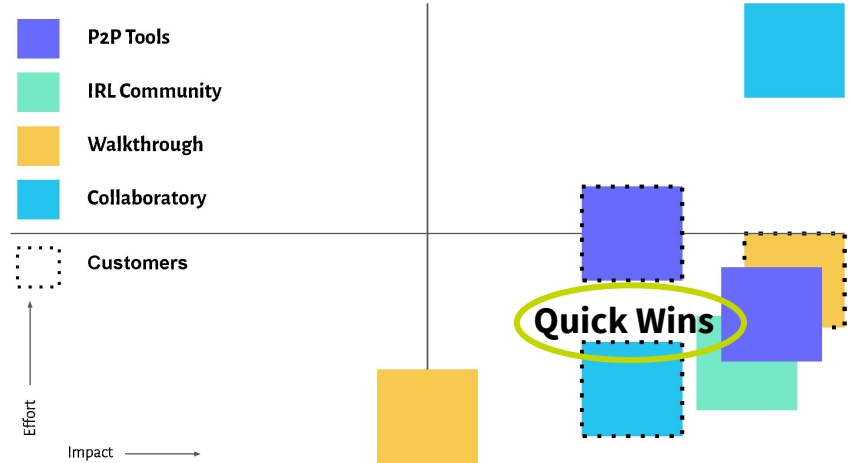


Narrow down ideas to select one

1. Affinity Diagram



2. Impact/Effort Diagram



Let's Reflect

Potential Roadblocks

What's the hardest part of the process?

- Asking Questions
- Generating Ideas
- Choosing an Idea
- Working as a Team

What is your greatest barrier?

- Listening
- Sharing
- Letting go



What to do if...

You don't know the topic: Research the topic, then ask further questions

You get stuck: Ask for help from each other, then people at the company

It is too hard: Figure out what pieces are creating a roadblock and ask for help on those specific pieces

You can't finish it in the Winternship time period: Work to narrow down the scope of the project and get agreement from your manager

Remember

Keep your company updated on your progress

This is one structure of problem solving. Your host may teach you another structure.

Follow the guidance of your organization.

With practice these techniques will become more natural.
