



Design Thinking Taster

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Programme director BSc Product design at
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Inventor and director of BUA Saddles

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Editor - Iterations Design Journal

Multi-Award winner: Dyson design award, ISPO
sports design award, IDI, JEC composites
award, Dupont 40/40

The biggest advance in saddles since...saddles



bua
SPORT

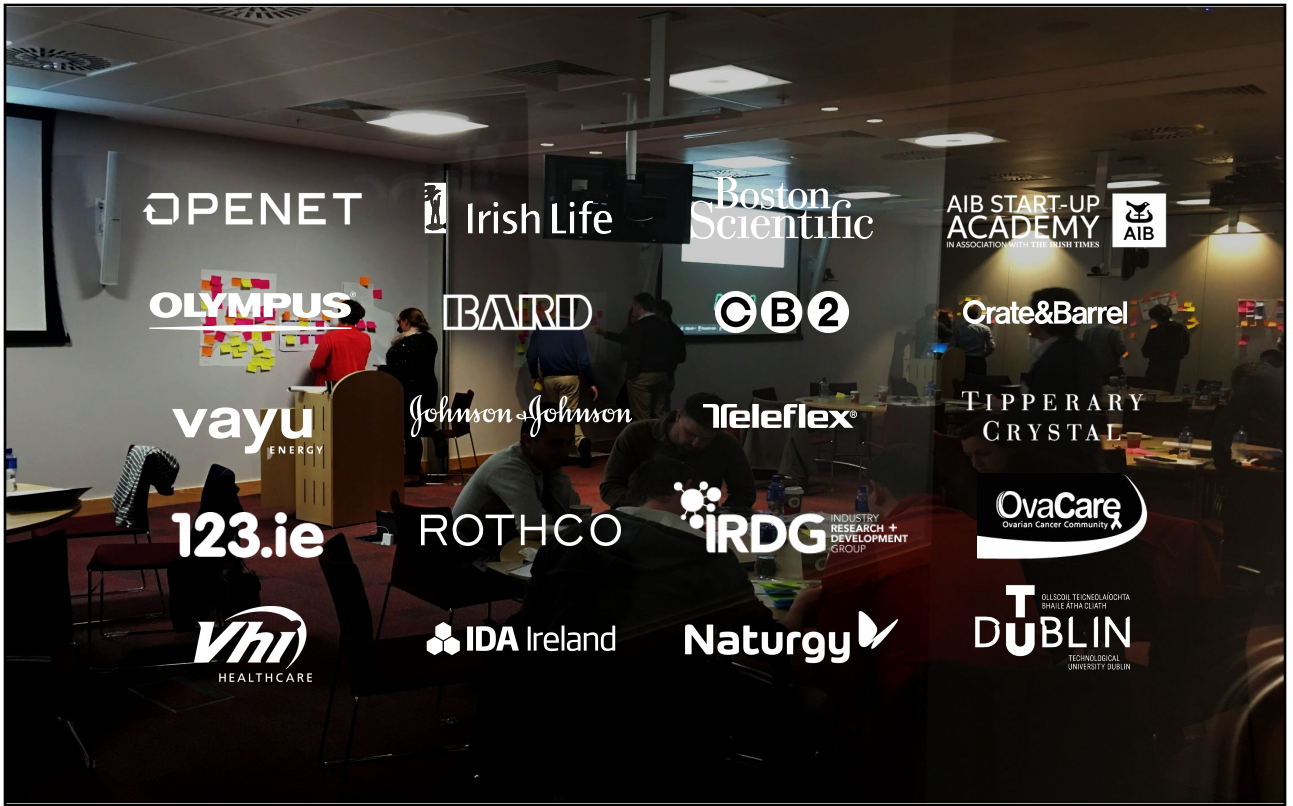


dyson

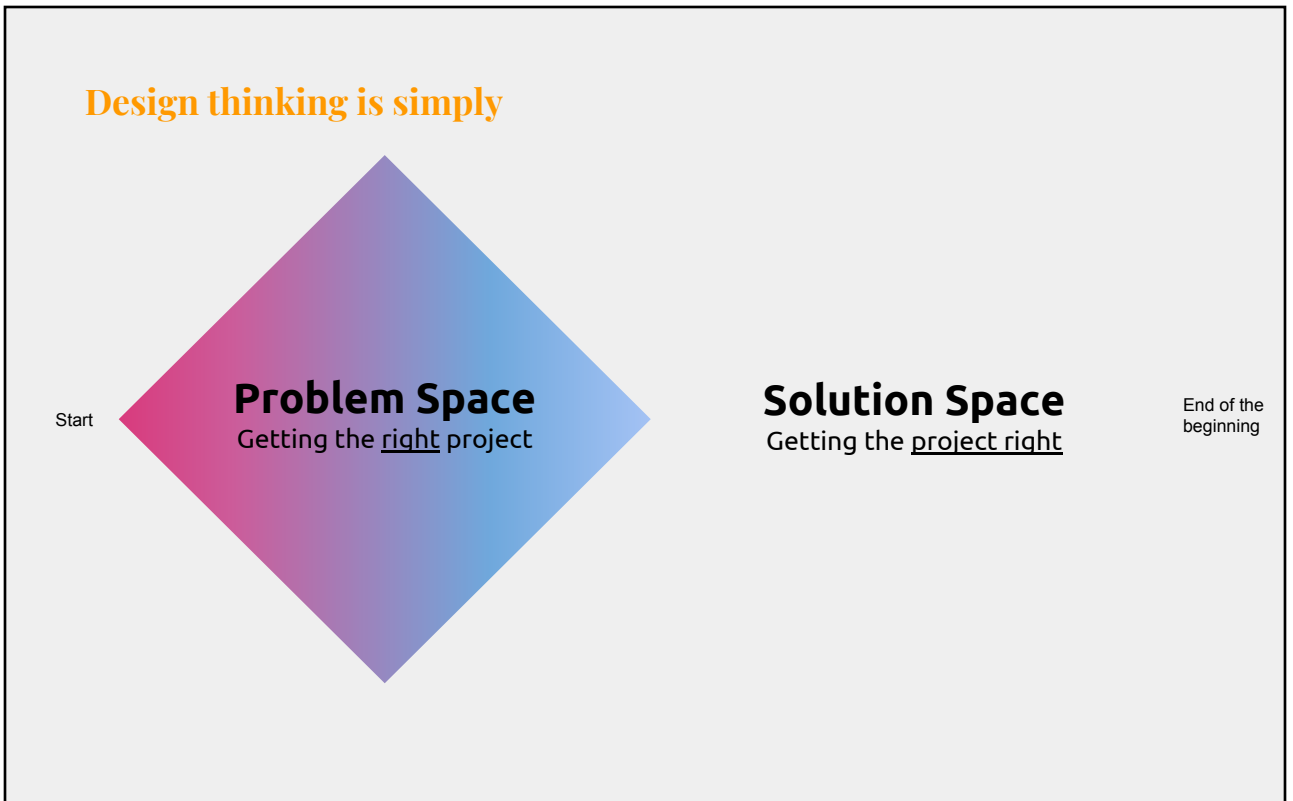
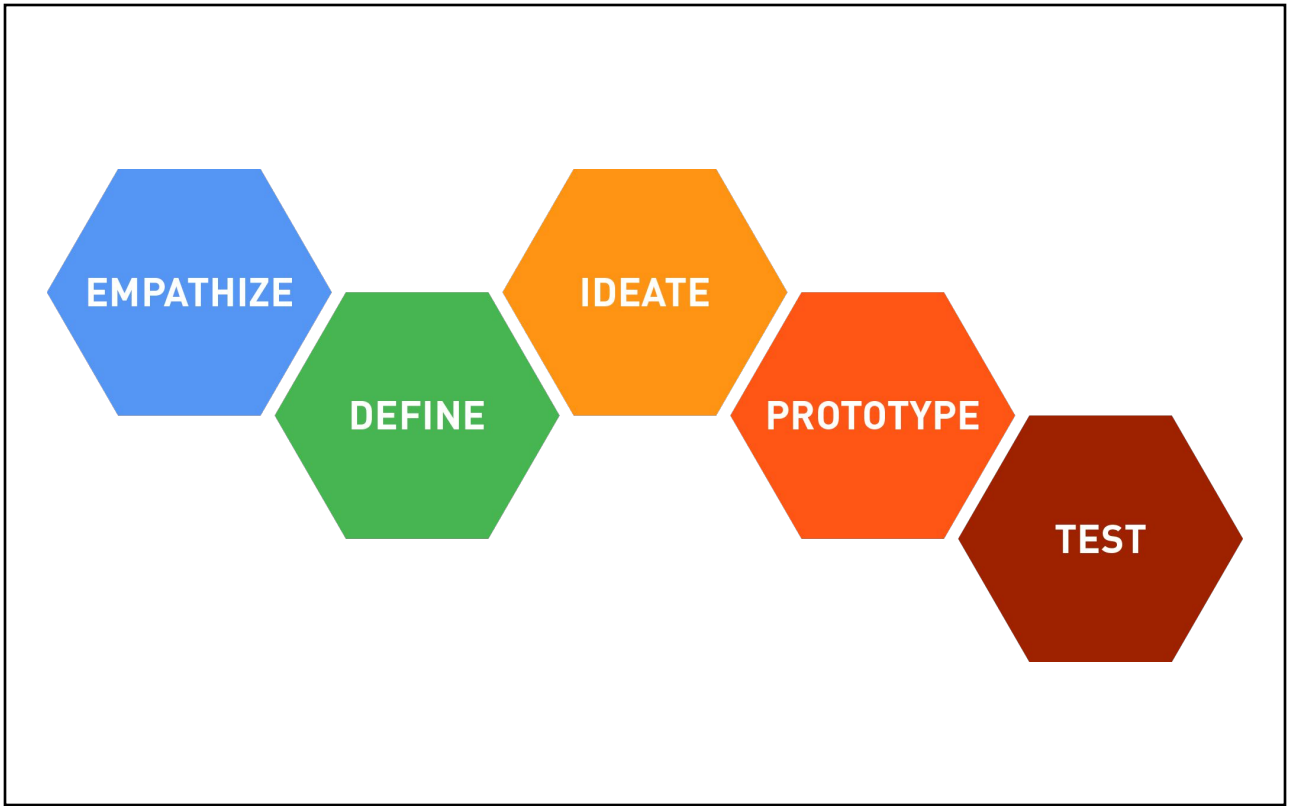


Research to Action





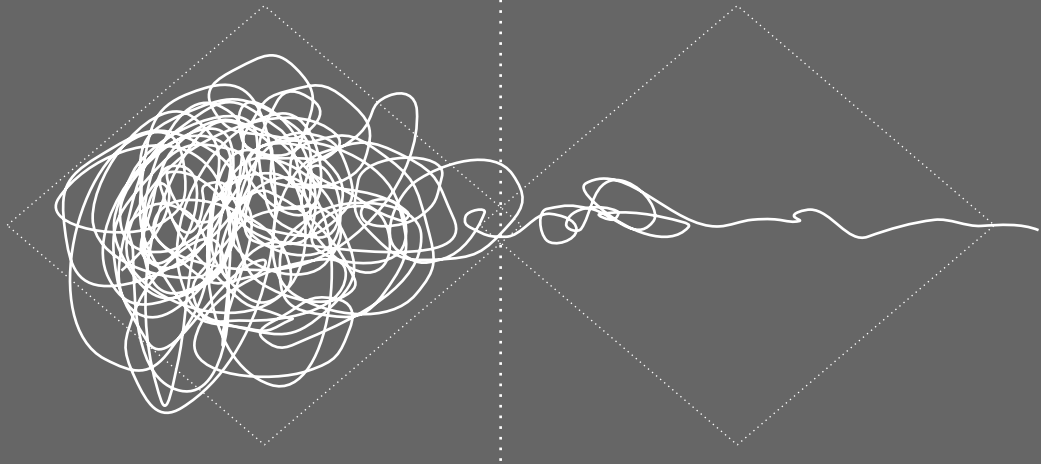
What is Design Thinking?



Getting the right design

&

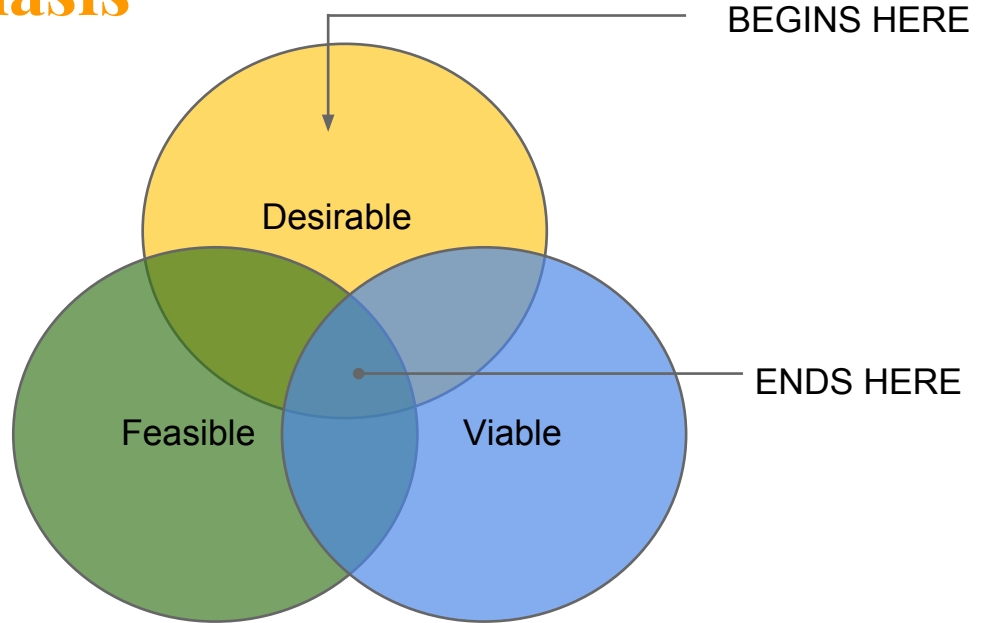
getting the design right



Systems level thinking



Emphasis



Design works because Customer experience is the new battleground

89%

of companies expect to compete mostly on the basis of customer experience, versus 36% four years ago

50%

Of consumer product investments will be redirected to customer experience innovations

86%

of buyers will pay more for a better customer experience.

6X

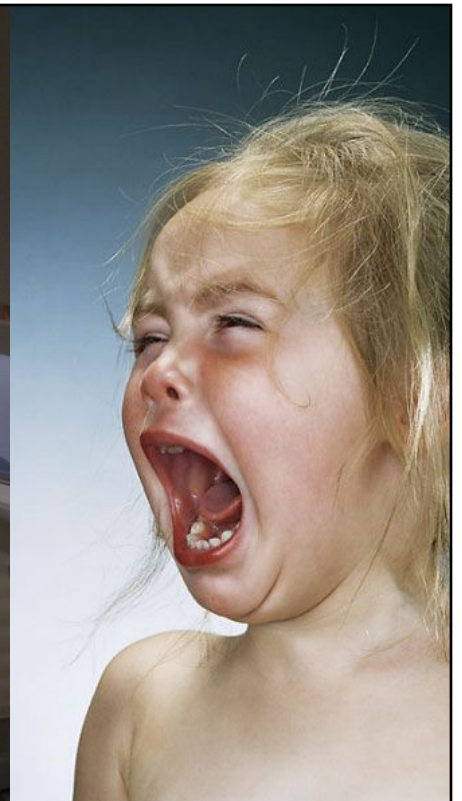
More likely to buy with a positive emotional experience
- Temkin group

12X

More likely to recommend the company with a positive emotional experience
- Temkin group

5X

More likely to forgive a mistake if there is a positive emotional experience
- Temkin group





Sedation rates
down by **85%**

- More procedures
- More MRI machines sold
- Happier Staff
- Patient satisfaction up 90%



Needs of
People
(desirability)

DESIGN
innovation

Possibilities of
Technology
(Feasibility)

Success for
Business
(Viability)



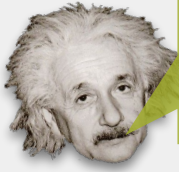
Child



Parents



Nurse/Clinical



“If I had only one hour to save the world, I would spend fifty-five minutes defining the problem, and only five minutes finding the solution

Start

Problem Space
Getting the right project

Solution Space
Getting the project right

End of the beginning

Problem Space
Getting the right project

Solution Space
Getting the project right

General problem

Discover

Define

Specific problem

Specific solution

Values of design thinking



User-centered

Services should be experienced through the customer's eyes



Iterative

Service design is an exploratory, adaptive, and experimental approach, iterating toward implementation



Co-creative

All stakeholders should be included in the service design process



Holistic

The entire environment of a service should be considered

Marc Stickdorn - [This Is Service Design Doing](#)

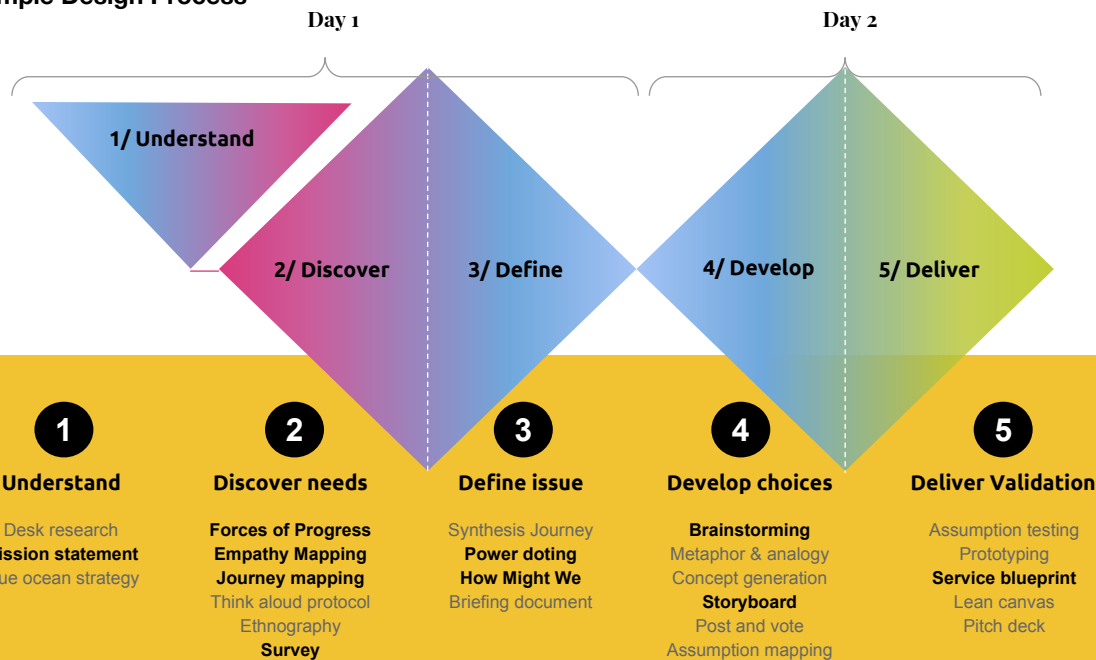
MU Degree programmes

Programme?
Module?
Readiness for job?
Admin system?
Registration process?

Student

Transition to university
Suitability for course
Readiness for job
Sense of Belonging

Sample Design Process



Note: Tools adopted for this project are in bold typeface

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Discovery

actionable
inspired innovation, strategy & change



Empathy Mapping

actionable
thought has precedents, strategy is change



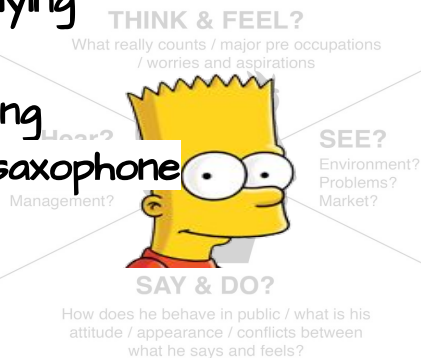
Adapted from Tanner Bechtel article on Medium
<https://medium.com/@tannerbechtel/bart-simpson-taught-me-everything-i-need-to-know-about-human-empathy-ec456fc07639#jfo03g8ui>

- Smartass
- troublemaker
- Loudmouth
- Disrespectful
- Obnoxious
- Clever
- Brat
- Risk-taker

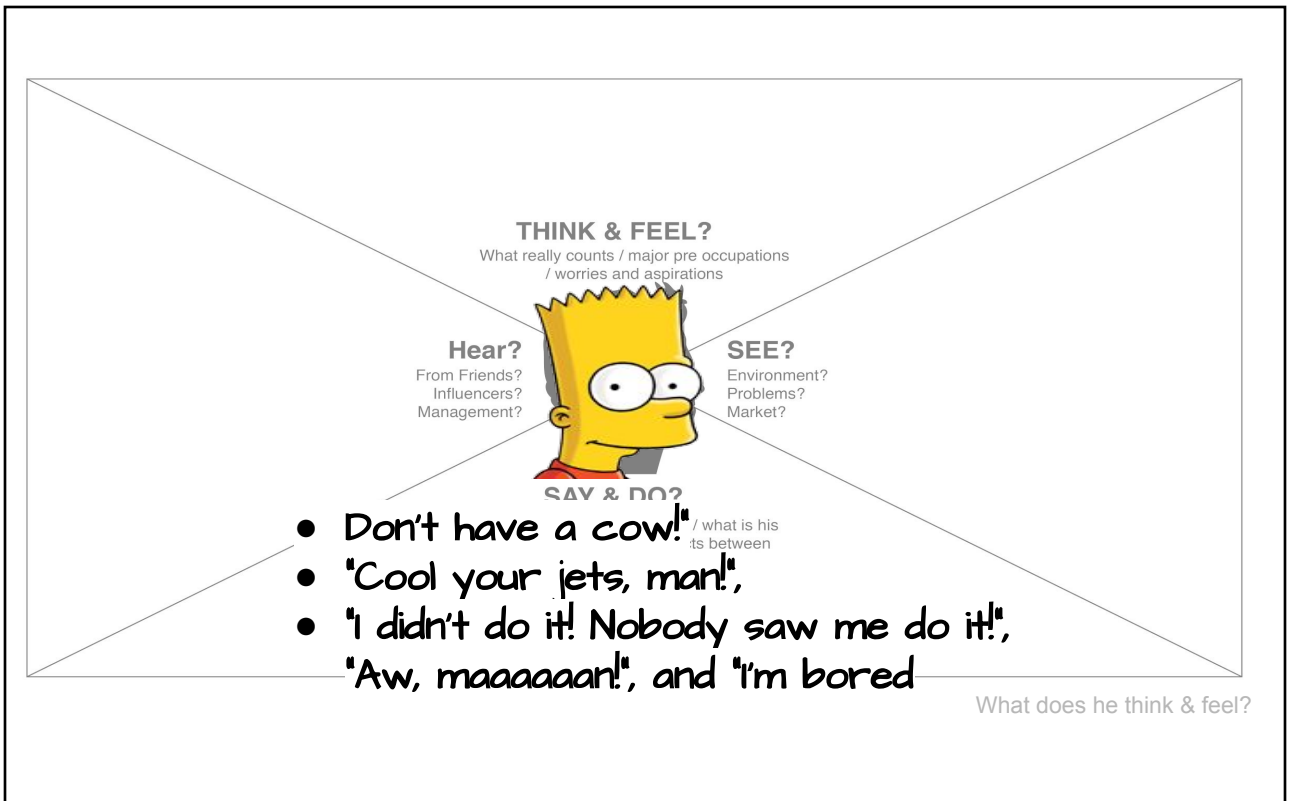
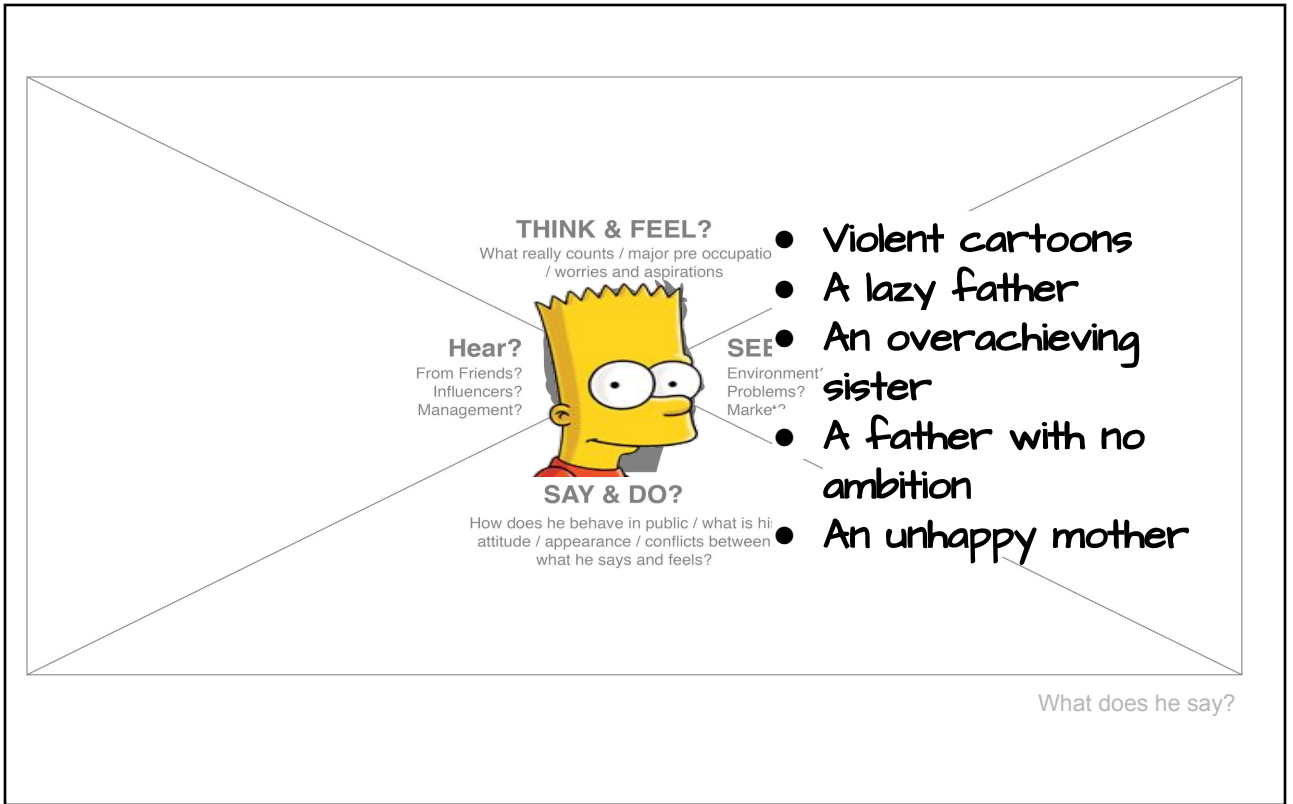


What does he hear?

- Mockery and bullying
- Disappointment,
- His parents arguing
- Lisa playing her saxophone (perfectly),
- The baby crying,
- Judgement,
- Disapproval.



What does he See?



- "It doesn't matter.",
- "It's not fair...",
- "I just want to have fun", "
- Dad's a loser.", EL?
- "Lisa is perfect... I'm a loser."

Hear?
From Friends?
Influencers?
Management?



SEE?
Environment?
Problems?
Market?

SAY & DO?

How does he behave in public / what is his attitude / appearance / conflicts between what he says and feels?

Student stakeholders



Undergrad



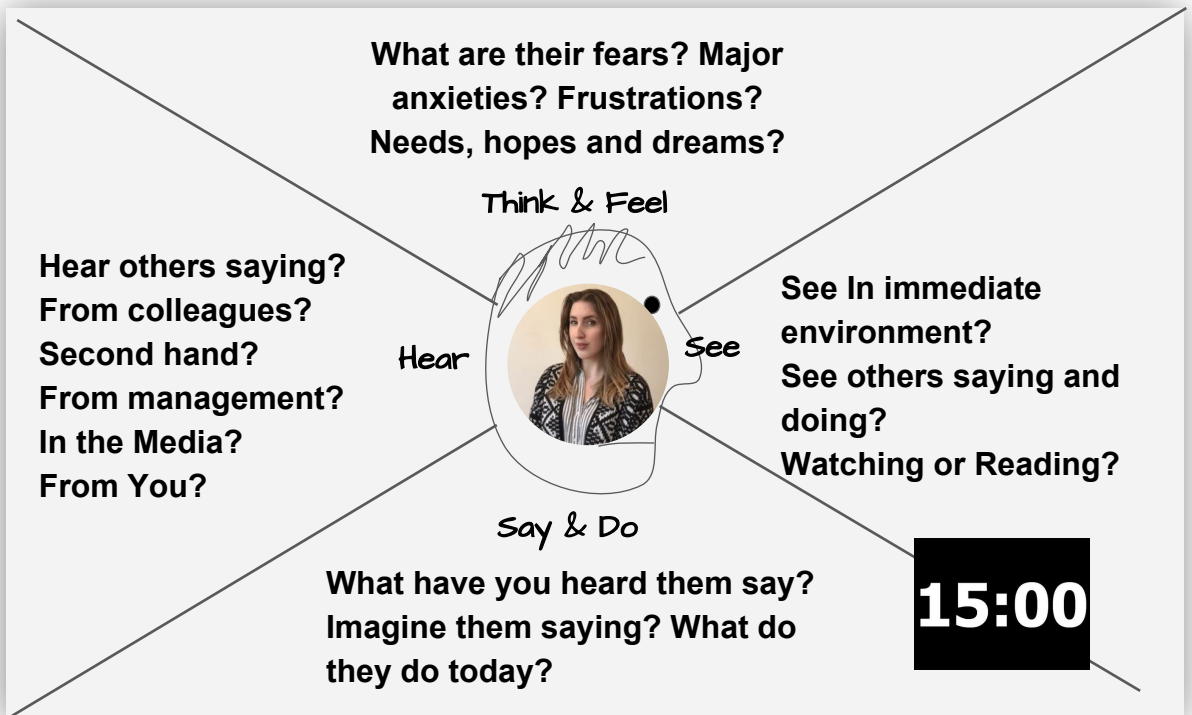
Taught masters



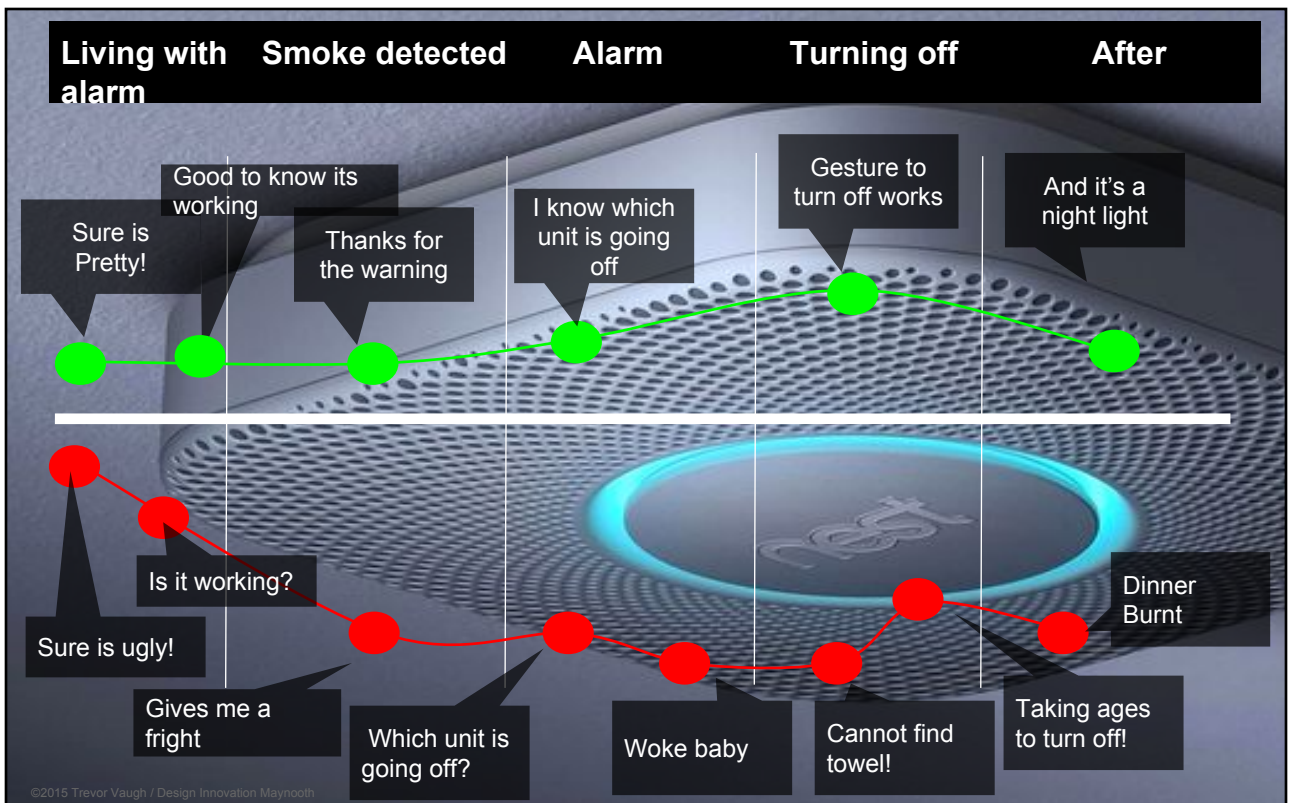
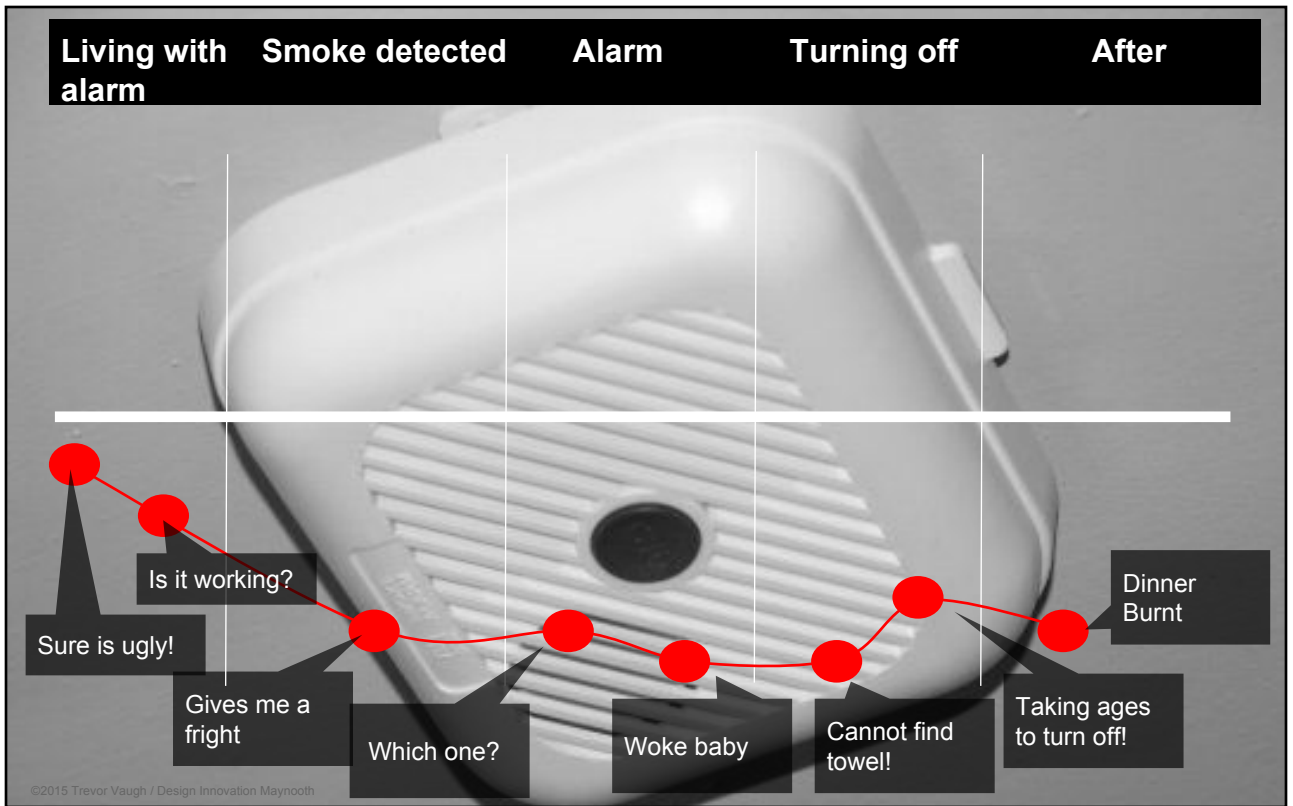
Research masters

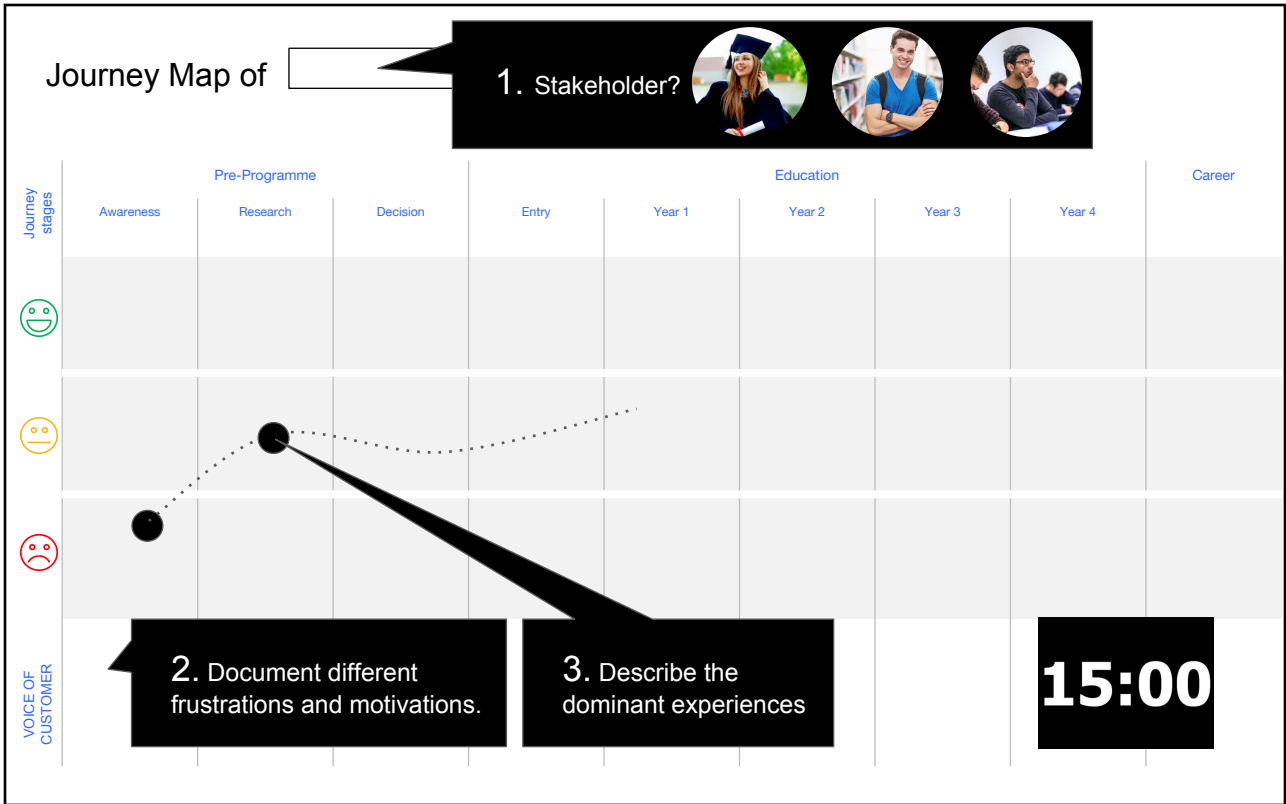


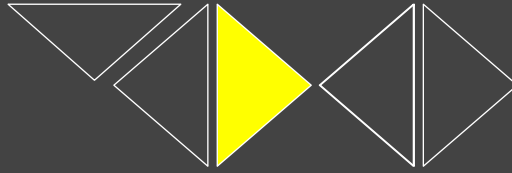
PhD



Experience Mapping







Define

actionable
insight-led innovation, strategy & change



Data synthesis





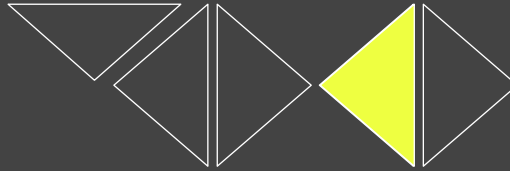
Kate

Is a shy, reserved and studious 1st year student from Oranmore, Galway. She is balancing a part-time job to help fund a good student lifestyle while in college. She needs help in balancing her college and part-time work commitments. By the way she is very capable but struggling to balance course commitment with student / work activities.

How might we help Kate transition into a demanding workload and foster the right mindset and work ethic, without daunting her?

How might we communicate that this programme is a full timetable & workload (40/hr/Wk) so that she has a realistic expectation from the off?

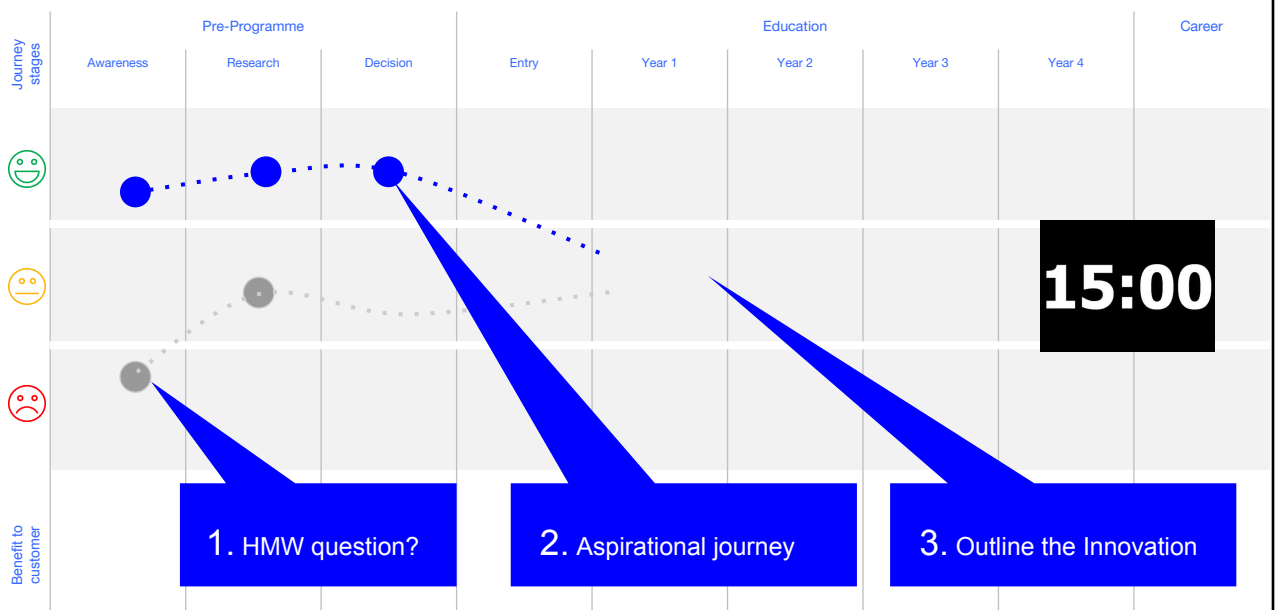
How might we accommodate the new norm of students having to work part time?



Ideation

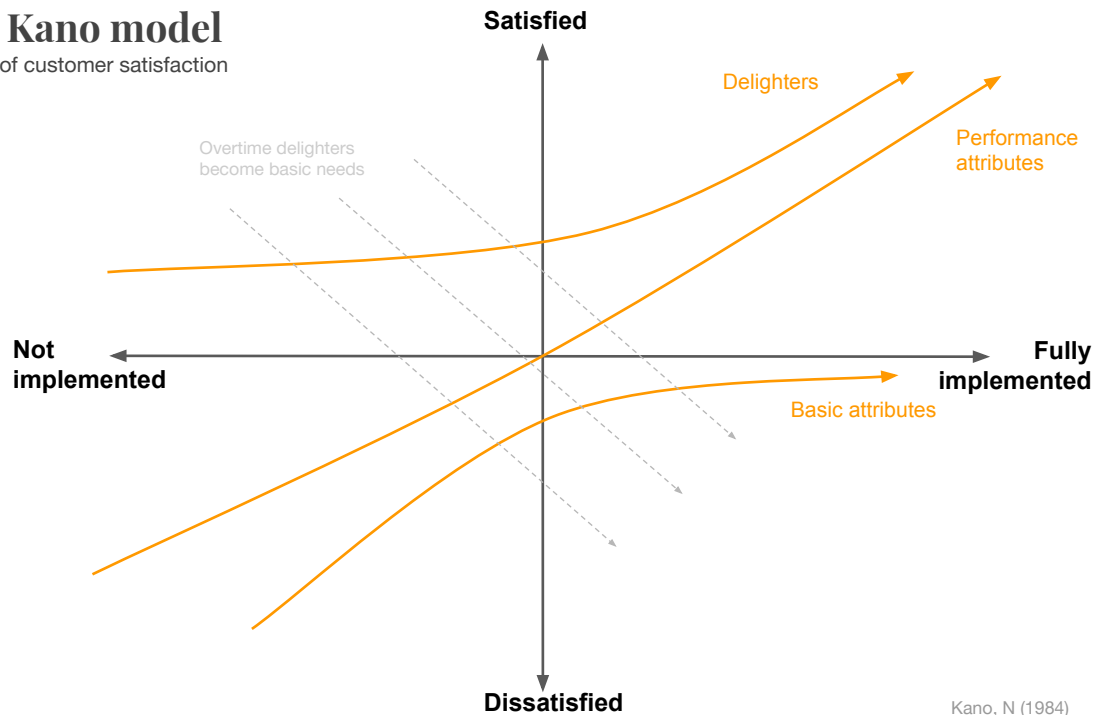
actionable
insight-led innovation, strategy & change

Aspirational Map



The Kano model

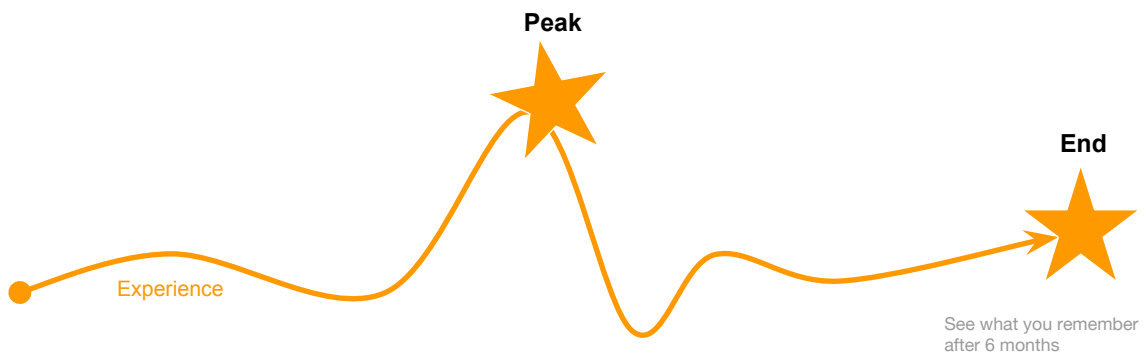
Theory of customer satisfaction



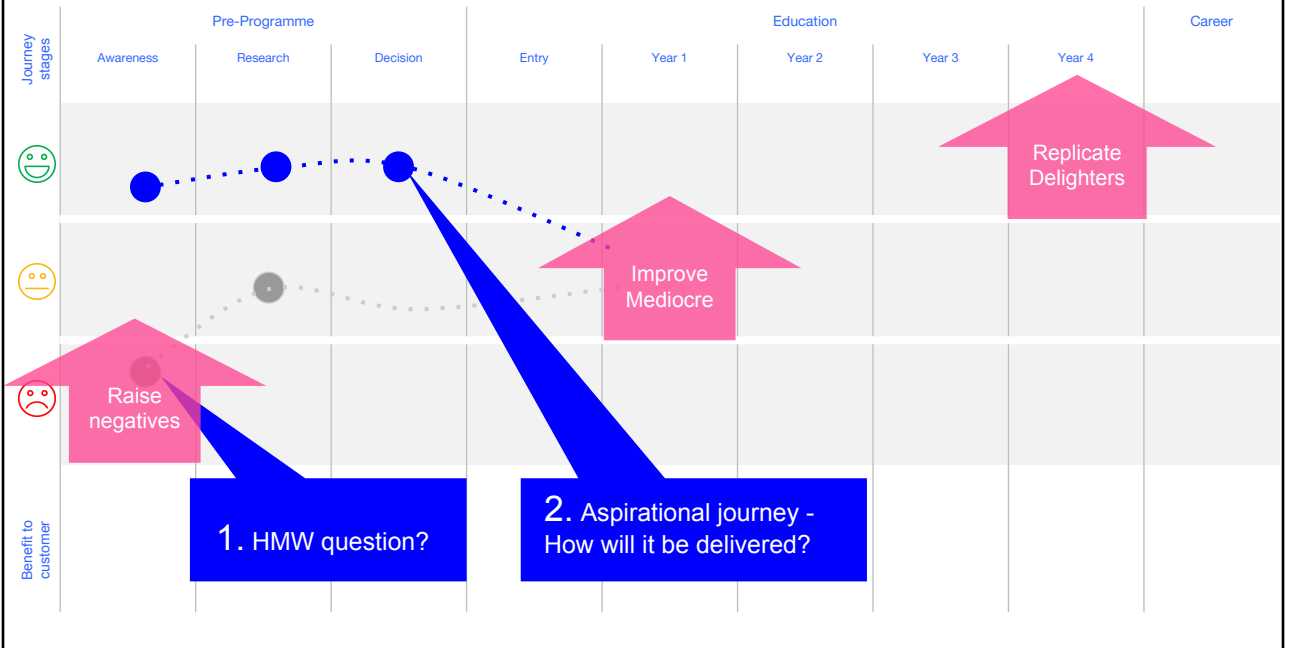
Kano, N (1984) 72

Peak & End rule

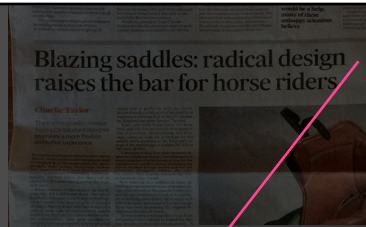
Satisfaction after time



Barbara Fredrickson and Daniel Kahneman (1993) 73



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Student saddles up for award



Woman who had a kidney removed... through her belly button!

