

GovTech Reusable Portfolio

A Reusable Portfolio
for Design Thinking in GovTech



*The GovTech Reusable Portfolio is implemented within GovTech Connect,
a project funded by the DG CONNECT under CNECT/LUX/2021/OP/0053.
<https://joinup.ec.europa.eu/collection/govtechconnect>*

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<https://joinup.ec.europa.eu/collection/govtechconnect>

A project by Intellera Consulting Spa in consortium with Lisbon Council, Politecnico di Milano and Public to the European Commission, Directorate-General for Communications Networks, Content and Technology (DG CONNECT)



POLITECNICO
MILANO 1863

DIPARTIMENTO DI DESIGN



AUTHORS

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PHASE 1

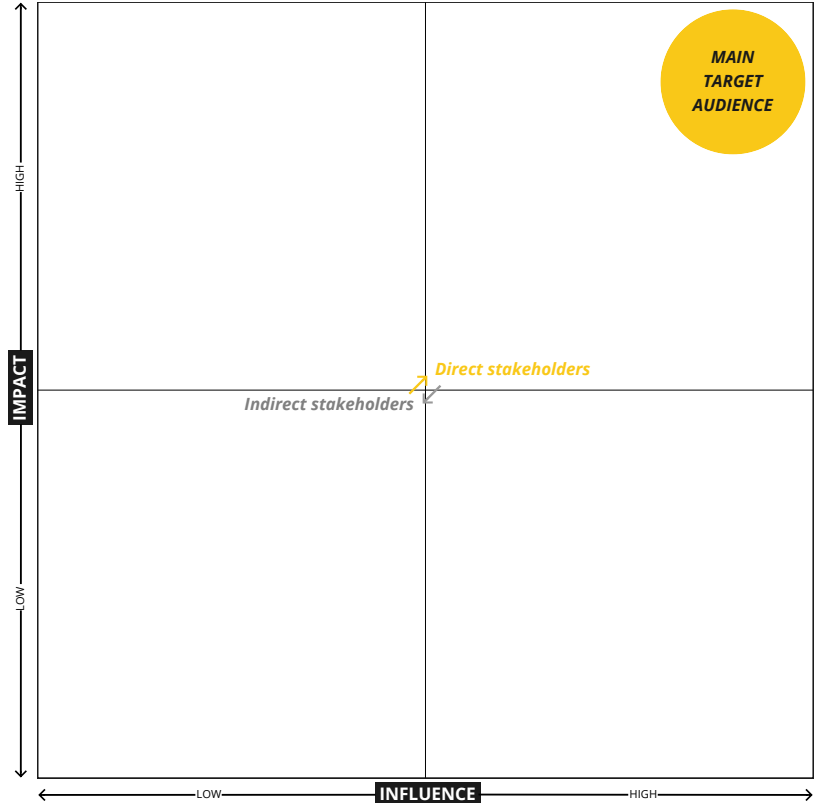
Context Analysis

Stakeholder Map

1. Use the post-its to list the different stakeholders related to your system.
2. Place them in the matrix according to how much they can **influence** the situation you are designing for or **be impacted** by it to have a clear representation of who are the most relevant people for you.

Write here your stakeholder			

How much is the stakeholder **IMPACTED** by the project?



How much can the stakeholder **INFLUENCE** the success of the project?



Ecosystem Map

1. Use post-its of different colours to identify the roles of your stakeholders.

Define the categories according to your project.
Some examples might be:

DATA OWNER, PROVIDER, CURATOR, CREATOR, ...



SERVICE PROVIDERS



USERS



IMPACTED PEOPLE, ORGANIZATIONS, ...



OTHERS (TO DEFINE)



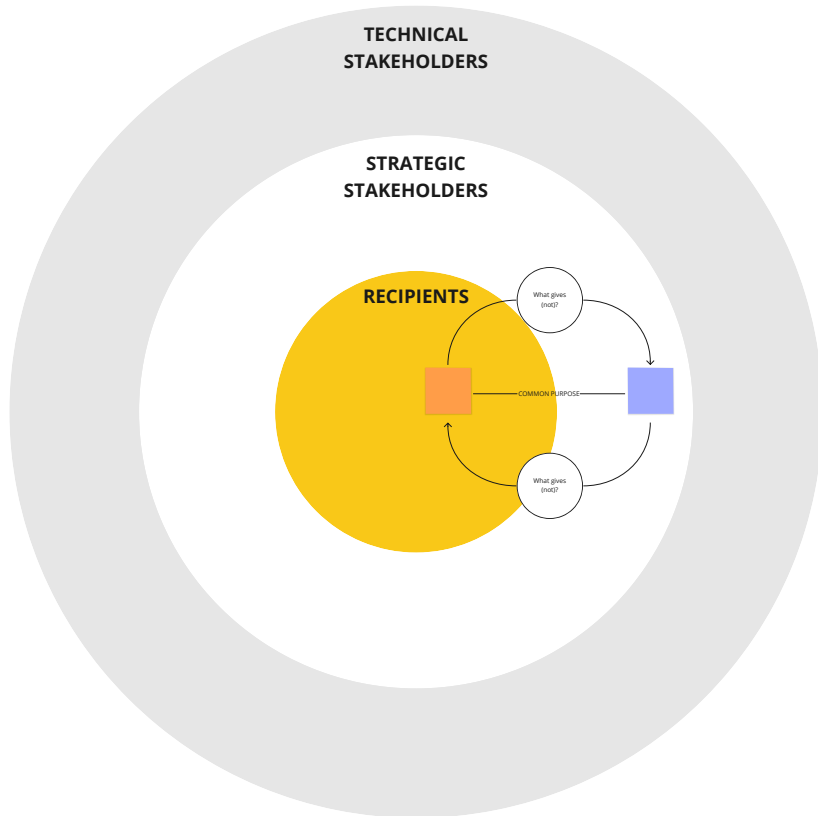
2. Place them in the map

3. Depict their relationship

highlighting:

1. An **objective** they might **share**
2. The **concrete or abstract values** they can **exchange** in order to reach their goal.

This should give you an idea of the possible interactions that might happen within your system. Create all the connections that you feel necessary. You can also use the blank space to zoom in more elaborated loops.





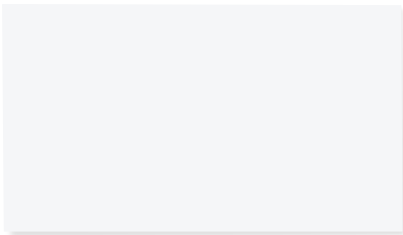
PHASE 2

Problem Framing and Reframing

Problem Framing

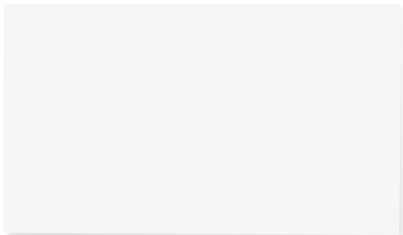
PROBLEM STATEMENT

WHAT would you like to focus on to reach the goal?



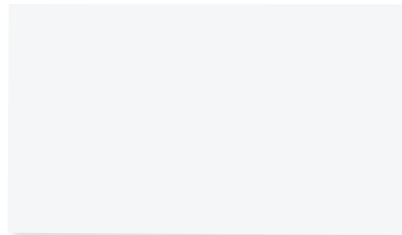
TARGET AUDIENCE

WHO is affected by the problem?



EXPECTED IMPACT

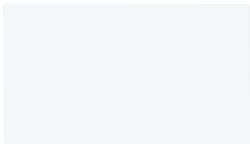
WHY is it relevant?



CONTEXT

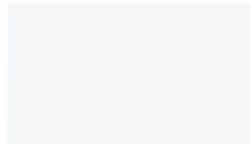
TIME

WHEN does the problem becomes critical?

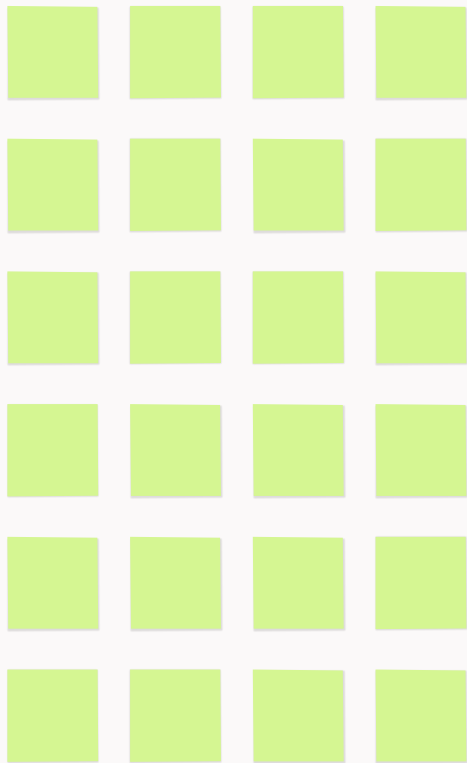


PHYSICAL OR DIGITAL SPACE

WHERE does the problem becomes critical?



SWOT



<p>INTERNAL</p> <p>STRENGTHS</p> <p><i>What do you do better than others? Why are you unique? What comparative advantages do you have?</i></p>	<p>INTERNAL</p> <p>WEAKNESSES</p> <p><i>What could you improve? What should you avoid?</i></p>
<p>EXTERNAL</p> <p>OPPORTUNITIES</p> <p><i>Is there a need? Do your customer targets prefer something else? Are there any external changes (policy, technology, etc.) that could help?</i></p>	<p>EXTERNAL</p> <p>THREATS</p> <p><i>What challenges do you face? What are your competitors doing? Are there any external changes (policy, technology, etc.) that are making things difficult?</i></p>



The GOVTECH REUSABLE PORTFOLIO is implemented under the Digital Europe Programme for the 2021-2027 period. The project is funded by the European Union under the Digital Europe Programme for the 2021-2027 period. The project is funded by the European Union under the Digital Europe Programme for the 2021-2027 period. <https://ec.europa.eu/digital-europe-programme/>



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Problem Reframing

TARGET AUDIENCE

MAIN NEED

EXPECTED IMPACT

TIME

PHYSICAL OR ABSTRACT SPACE

INSIGHTS

How might we ... to ...?

SCENARIO EXPECTATION



The GOVTECH REUSABLE PORTFOLIO is implemented
with funding from the European Union under the
CONNECT under CNICTU LUK/2021/09/0903.
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PHASE 3

Envisioning Solutions



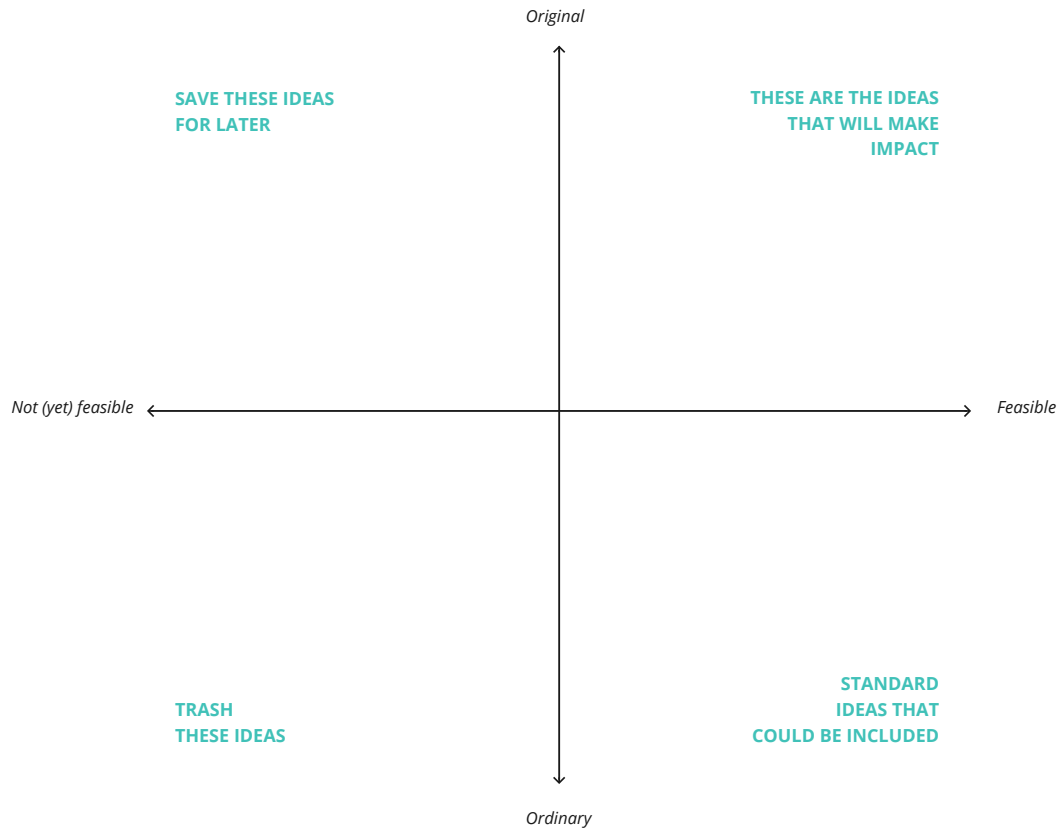
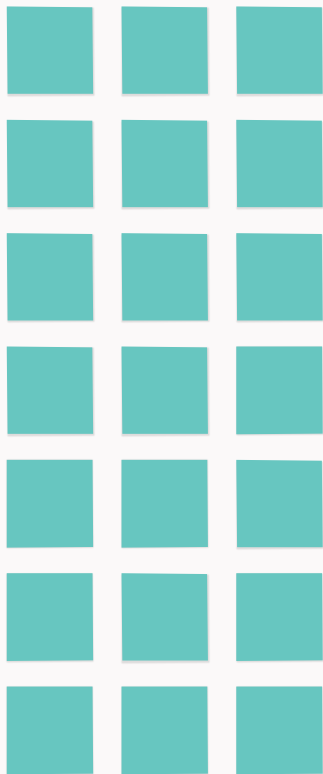
How might we ... to ...?

SCENARIO EXPECTATION

Every problem is an opportunity for design. Properly framed How Might We doesn't suggest a particular solution, but gives you the perfect frame for innovative thinking.



Idea Selection



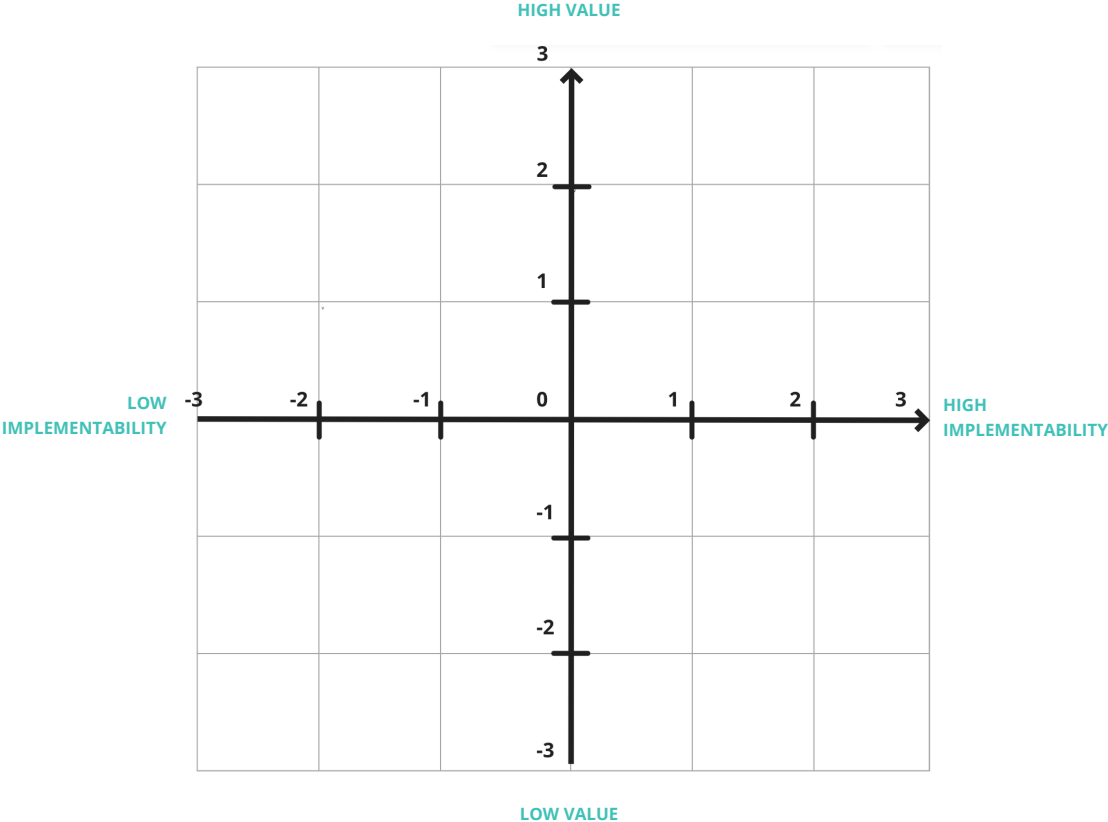
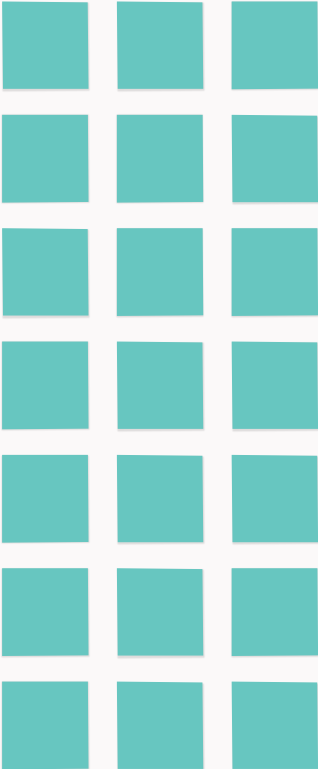
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Evaluation Matrix



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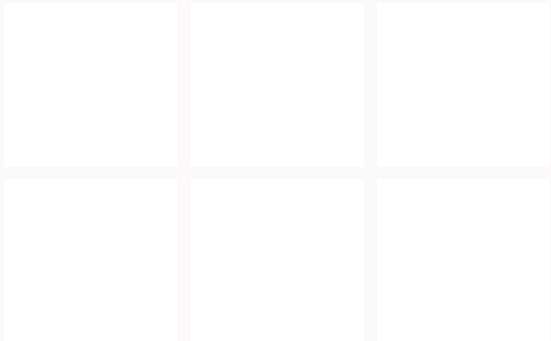


User Stories

EXPLANATORY DESCRIPTION

Insert your description here

You can also add pictures or other complementary material



SUBJECT
OBJECTIVE/VERB
MOTIVATION

**Use the bg
for adding IMG
or color clusters**

**Acceptance
criteria**

A (user/item)
should be able to (do something)
**so that (an outcome can be
achieved)**

- Add condition useful to validate the user story implementation
- Add condition useful to validate the user story implementation
- Add condition useful to validate the user story implementation
- Add condition useful to validate the user story implementation



Data Flow



What data will we collect?

How will we validate the quality of our data?

*Where will we store data?
Who has access?*

What pre-processing is needed?

How and who will analyse our data?

Will we keep using, storing, sharing the data?



Who?

Experts
Crowd
Machine

How?



We have checked and obtained the necessary data permission for collecting, using, sharing and storing the data

We have considered mitigation strategies for different sources of bias along the pipeline



Data Ethics Tool

Knowledge cards deck

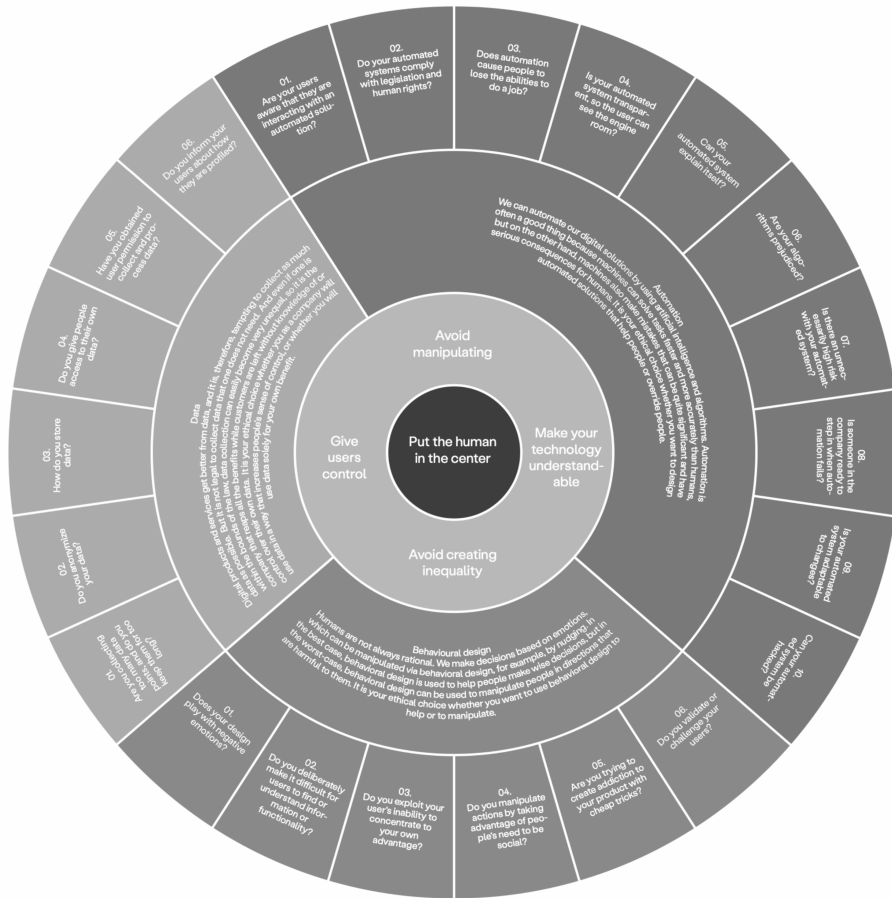
For each of the 22 questions, you will find an associated knowledge card, which elaborates on the meaning of the question, which provides concrete design recommendations, and which describes a good and a bad example from the real world.



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Toolkit: The Digital Ethics Compass

The Digital Ethics Compass is a tool to help companies make the right decisions from a design ethical standpoint.



The GOVTECH REUSABLE PORTFOLIO is implemented by the Danish Design Center for the DDC CONNECT under CNECT/IAI/2021/09/0903. [portal.ec.europa.eu/eu-ai-collection/connect/connect](https://ec.europa.eu/eu-ai-collection/connect/connect)



TOOL SOURCE <https://ddc.dk/en/our-ethics-compass-the-ethics-of-digital-design>
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PHASE 4

Prototyping and Testing

User Journey Map



The GOVTECH REUSABLE PORTFOLIO is implemented within the framework of the Digital Strategy for the GOVERNMENT OF LUXEMBOURG (2020-2024) under the CONNECT 2020-2024 (OP/09/003) plan. pilotage.ec.europa.eu/uk/collection/govtech/connect



USER

PHASES PHASE #01 PHASE #02 PHASE #03 PHASE #04 PHASE #05 PHASE #06

PHASES	PHASE #01	PHASE #02	PHASE #03	PHASE #04	PHASE #05	PHASE #06

TOUCHPOINTS

Touchpoints

Select one of the touchpoints below, drag them in the first column of the canvas and analyse how they enter in contact with the user throughout its journey.



Minimum Lovable Product

SOLUTION READINESS



- SRL1 – Research of basic principles for a solution
- SRL2 – Early idea or concept formulated
- SRL3 – Experimental proof-of concept
- SRL4 – Proof of concept validated in a test environment
- SRL5 – Prototype validated in a real live environment
- SRL6 – Prototype tested in a real life environment
- SRL7 – Pilot demonstrated in one or multiple contexts
- SRL8 – Minimum viable product, service or process piloted
- SRL9 – Proven implementation of product, service or process at scale

NEEDS MVP MUST FULFILL

SHOULD

COULD

USER NEEDS

What is the absolute minimum required for the user to fall in love with your solution?

BUSINESS REQUIREMENTS

What is the minimum value we have to achieve from the business point of view?
Strategic goals / business goals / validated learning / technical and regulatory requirement to fulfill?

MINIMUM IMPLEMENTATION

What is the absolutely minimum way to make it happen?



Later
Features, integrations, investments and requirements we don't yet need in the MVP



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Prototype testing

Plan workseet

Name of prototype solution to test:

Name of owner:

Step 1: we believe that...

(This is your hypothesis about what will happen)

Step 2: to verify that we will...

(This is the test you will carry out using the prototype)

Step 3: and measure...

(This is the metric that will help prove or disprove your hypothesis)

Step 4: we are right if...

(This is what will happen if your hypothesis is proven to be correct)

Learn workseet

Name of prototype solution to test:

Name of owner:

Step 1: we believed that...

(Your original hypothesis)

Step 2: we observed that...

(What actually happened)

Step 3: from that we learnt that...

(What worked well and what didn't)

Step 4: therefore we will...

(The changes you are going to make)



Usability testing

User:

User group:

Critical task 1:

Place of completion:

Time of completion:

Survey:

Q: How did you feel when you started the task?

Q: Did you find the information you need?

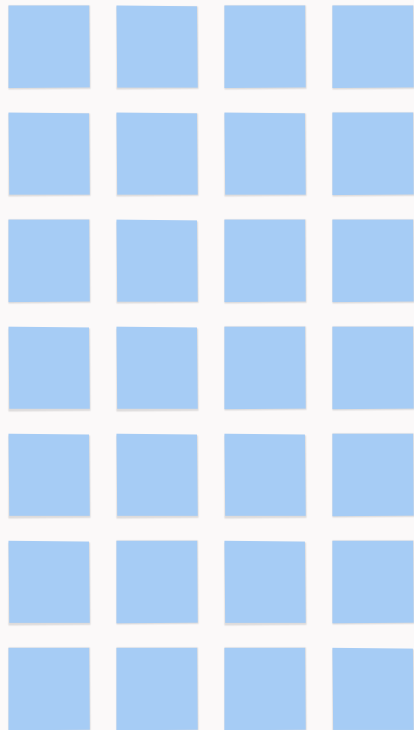
Q: Was the information easy to find?

...

Q: How did you feel after finishing the task?



Giving feedback



WHAT'S REALLY GOOD ABOUT IT?

*What did you like?
What did you think worked well?*

SUGGESTIONS FOR IMPROVEMENT?

What would you change, and how would this improve the idea or solution?

IDEAS THAT CAME UP?

Did the presentation make you think of other potentials or possibilities to further develop this idea?

QUESTIONS THAT CAME UP?

*Was there anything you were confused by?
Or did the prototype prompt wider concerns or questions?*

