

Framework guidelines Co-creation

Teodora Todorović Strategic Product Design Faculty of Industrial Design Engineering Delft University of Technology

Introduction

OBJECTIVE

The objective of this cocreation framework is to enabe technicians to express their needs in the digital transformation program, and therefore to enable cocreation of applications.

This co-creation framework includes tools and workshops to enable this objective in three different stages: exploration. ideation and prototyping. By following these stages assumptions about what needs to happen are turned into knowledge about user needs and translation of needs into application features. This guide explains how to use the different tools in the stages and how to co-create.

TIPS

To reap the full benefits of this framework be open to the users and show that you really want to know what they need.

Keep the goal in the future to encourage users to think bit, without thinking of limitations.

Dream big in terms of user needs, before thinking what is feasible and viable.

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This guide explains how to use the tools visualised in figure fixme.

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USER NEED CAMURS HELL	ASSUMPTION MATRIX ASSUMPTION MATRIX ASSUMPTION MATRIX MATRIX SCREEN IDEAS IMPROVE SCREEN IDEAS USER NIELD USER NIELD INFO SCREEN IDEAS IMPROVE IDEAS IMPROVE IDEAS IDEAS IMPROVE IDEAS IDE

Assumption matrix
Experiment dashboard
User journey map
User need canvas

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ASSUMPTION MATRIX



This canvas can be used at the beginning of a new project to choose a research context, or at the beginning of a co-creation framework stage to choose the most critical assumption to test and proof. The assumptions should be assessed on:

- 1. Knowledge: data available to back up the assumption
- 2. Risk: what is the impact if the assumption is wrong

PARTICIPANTS

- 1. Product Owner
- 2. UX Designer
- 3. (If the topic is technical: Information analyst)

STEPS

- 1. Invite all stakeholders to toghether map assumption.
- 2. Gather all assumptions related to the session's topic.
- 3. Assess and map assumptions
- 4. Define next steps

EXPERIMENT DASHBOARD

	EXPERIMENT DASHBOARD
Google Analytics data	Research question
Technicians needed	Experiment
	Tools needed for Le experiment: Experiment acceptance criteria
	<u>Steps</u> 1. 2. 3.
Hypothesis	Results (and observations)

This canvas is used to set up experiments to test and proof assumptions.

PARTICIPANTS

- 1. Product Owner
- 2. UX designer

STEPS

- 1. Invite all stakeholders to toghether map assumption
- 2. Analyse assumption matrix
- 3. Define hypothesis and

research question based on most critical assumption.

- 4. Search for available Google Analtyics data
- 5. Determine technicians needed for the experiment (technicians affected by assumption)
- 6. Set up experiment to test assumption and acceptance criteria.
- 7. Run experiment and plot findings in the dashboard.

USER JOURNEY MAP



This map is used to gather findings about the daily work of technicians in relation to how they use (technological) artefacts to support their work and to define opportunities for current and/or new applications. In addition it can be used to communicate findings of the exploration.

PARTICIPANTS

- 1. Product Owner
- 2. UX designer
- 3. (Change manager &

Continious Improvement leader can be asked for their points of view)

STEPS

- 1. Analyse exisiting assumptions and set research scope
- 2. Set up research experiment to gathet data and proof assumptions
- 3. Map data in user journey map
- 4. Define (new) application opportunities

USER NEED CANVAS

Feature desc	ription	
As user I v	want to	
User insight		Value and effort estimation
so th <u>at</u>		
Assumptions I	eft	Interdependencies and risks
1. 5.		
2.	6.	
2. 3.		
2. 3. 4.	6. 7.	Next steps
2. 3. 4.	6. 7. 8.	Next steps
2. 3. 4. isumptions (at rsigns)	6. 7. 8. Doout ideas and screen	Next steps
2. 3. 4. isumptions (at rsigns)	6. 7. 8. Doout ideas and screen	Next steps

This canvas is a communication canvas that needs to be filled in iteratively after every cocreation and/or experiment to make the user needs as concrete as possible.

PARTICIPANTS

- 1. Product Owner
- 2. Entire development team

STEPS

- 1. Fill in the feature description and user insights, based on gathered user needs.
- 2. Estimate value and effort with the development team
- 3. Define inderdependencies and risks
- 4. Map assumptions that still exist and define next steps

IDEATE NEW SCREENS

This workshop (90 minutes) has been created for the ideate stage. The goal is to ideate new screens by creating future screens. The session is described in Figure 1. Time indications are given based on the experiments done with these principles.

PARTICIPANTS

- 1. Creative facilitator
- 2. UX designer
- 3. Technicians (use experiment dashboard to decide who to invite)

PREPERATIONS

- Create cards that will enable the participants to map their current workflows (Figure 2 shows an example). Think of activities that are performed, but also involved stakeholders or required materials
- Create coins that participants can use to mark positive and negative experiences in

their current workflow.

- 3. Create cards that will enable participants to map a new workflow, that improves their current workflows
- 4. Prepare rules and regulatopns applicable to the session's context, to ensure feasible results
- 5. (Prepare canvas to capture insights of the session).
- 6. Arrange a room or space where the session can be hosted.

TIPS FOR THE SESSION

During the session the approach visualised in Figure 1 can be followed.
Make sure that the participants get the opportunity to think big before rules and regulations are introduced
Be open and let participants speak their mind. Remember: there are no wrong experiences.



 Introduce topic of the session and ask participants to think about the context (10 minutes)

2. Let participants draw their current way of working (20 minutes)



3. Ask participants to compare this to how it can be done in iTask and write down positive and negative experiences (15 minutes)



 Ask participants to draw or write down how a future screen in iTask needs to work to improve the current situation/screen that is not used (20 minutes)



5. Introduce rules and regulations that the screen needs to fullfil and let the partcipants adapt their desired future state to this screen. (15 minutes)



Figure 1: Session approach

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Figure 2: Examples of workflow cards

IDEATE IMRPOVED SCREENS

This workshop (90 minutes) has been created for the ideate stage. The goal is to ideate new screens by creating future screens. The session is described in Figure 3. Time indications are given based on the experiments done with these principles.

PARTICIPANTS

- 1. Creative facilitator
- 2. UX designer
- 3. Technicians (use experiment dashboard to decide who to invite)

PREPERATIONS

- Adapt the canvases designed for this session (Figure 4). Add screen visuals to the canvases and change the canvas titles
- 2. Create coins that participants can use to mark positive and negative experiences in their current workflow.

- 3. Prepare rules and regulatopns applicable to the session's context, to ensure feasible results
- 4. Arrange a room or space where the session can be hosted.

SESSION TIPS

- During the session the approach visualised in Figure 3 can be followed.
- Make sure that the participants get the opportunity to think big before rules and regulations are introduced.
- Be open and let participants speak their mind. Remember: there are no wrong experiences.



1. Introduce topic of the session and ask participants to think about the context (10 minutes)



2. Let participants draw their current way of working (20 minutes)





3. Ask participants to compare this to how it can be done in iTask and write down positive and negative experiences (15 minutes)

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5. Introduce rules and

regulations that the

screen needs to fullfil and let the partcipants

adapt their desired future state to this screen. (15 minutes)

 Ask participants to draw or write down how a future screen in iTask needs to work to improve the current situation/screen that is not used (20 minutes)



 Ask participants to explain what they made and would expect in the future to have (10 minutes).

Figure 3: Session approach









Figure 4: Session canvases

PROTOTYPE SCREENS

This workshop (90 minutes) has been created for the prototype stage. The goal is to ideate new screens by creating future screens. The session is described in Figure 3. Time 3. Arrange a room or space indications are given based on the experiments done with these principles.

PARTICIPANTS

- 1. Creative facilitator
- 2. UX designer
- 3. Technicians (use experiment dashboard to decide who to invite)

PREPERATIONS

- 1. Define a scenario for the prototype activity. Use insights from the ideate stage to build this scenario. Write the scenario in such a way that participants will be able to build the scenario in the given time.
- 2. Prepare rules and regulations to use in the scenario. Gather wireframe examples to use

as sensitise tool during the session. Make design components that can be used for the prototypes, to spark creativity.

where the session can be hosted. Brin office supplies (e.g. scissors, post-its, glue) to the session.

SESSION TIPS

During the session the approach visualised in Figure 5 can be followed. Make sure that the participants get the opportunity to think bia before rules and regulations are introduced. Encourage the participants to draw and make as much elements as possible. rather than drawing or making the items for them. Be open and let participants speak their mind Remember: there are no wrong experiences.



USER SCREEN CANVAS



This canvas is a communication canvas that needs to be filled in after prototype activities additionally. It serves as a tool to communicate user insights about application screens. For every screen designed by the technician, one user screen canvas needs to be filled in.

PARTICIPANTS

- 1. UX designer
- 2. Visual desigmer

STEPS

- Analyse the screens designed and paste each screen in one canvas.
- 2. Write down user insights and match those to elements on the designed screens.
- 3. Add as much insight boxes as needed.
- 4. Communicate findings to the entire team and update user need canvas based on the new insights.

