

# Template: Prototyping plan

**Day 12**  
Start

**Day 13**  
end

Lunch

Start

Lunch

Develop a nice user case

Write the "ideal" user story

Consider realistic outcomes/challenges the customer might encounter

Rewrite the story, get feedback from the group, improve.

**User Story** (Rasmus, Mads)

Plan house design - Frederik

Print background (illustrating Copenhagen)

Take pictures of physical prototypes - Frederik

**Cardboard map** (Frederik, Daniel)

Desk research: Figure out how to fold cardboard into houses – Frederik and Daniel

**Digital Platform** (Oliver)

Quick drawin of the outlook.

Setting up outline on canva

Finishing up Canva

Feedback from all in the group

Improving based on feedback

**3D printed saddle** (Norbi) Getting to know the Printers

Find a desing online

Print the saddle

# Template: Validation Matrix to MEASURE your concept

What assumption / hypothesis will you test?	How will you test your assumption / hypothesis?	Which stakeholders will be necessary to include in testing?	What will you measure? What data will you collect?	What will you do next if the results are true? (hypothesis validated)?	What will you do next if the results are false (hypothesis invalidated)?
"We assume a handful of HUBS can be realized - The bigger bike shops can be act as a HUB."	Do a test period with three bike shops where the biggest act as the HUB. After the test period reevaluate the performance of the service.	The bike shop willing to do the testing are a necessity. Also, we need to make customers aware that the service is live. Lastly, we need 3D operators on call, ready to help and in some cases operate the printers	Customer satisfaction (surveys), bike fitter feedback (surveys), production time and quality (raw data), service time (raw data).	Expand the scope by including more bike shops to see where's the limit. Also, expand the selection the products available to attract new customers and potentially increase profit. Maybe add more HUBs.	First, keep the selection of products available simple by reducing the number of possibilities. If overload on the HUB still occurs, reduce the amount of bike shops in the network.
"We assume the AM hub or other partners have connections to material producers or distributor."	Ask the partners if they have the connections to buy the materials	The bike shop HUBS needs to be included as they will be the ones operating the 3D printers. Perhaps a saddle brand as well if they want to be a part of this.	We need to have a prototype of the various components to check quality.	Then we can start preparing the setup for the bike shop HUBS if everything else is in order.	Then we need to reevaluate and think of other producers or materials that can be used for the production.
"We assume this is attractive for the majority of the bike shops."	We will try and show them the concept both with a use storie, and show them a an easy to use software prototype.	The bike shops will be the main stakeholder to ask, however danish AM hub will also be a primary stakeholder	A qualitative interview with questions for the bike shops. We will compare their answers, and determine the total outcome.	We would be happy, and ask the bike shop owner, what we could think about to further improve the service. And what to do to keep them in the loop	We will get their help and feedback on how to make it attractive, and ask if it could be attractive in anyway. If not we will give up and look for another oppertonty
"We assume the exact material needs to be tested with the 3D printers. The material we are looking at are carbon fiber, glass-reinforced nylon, soft/hard plastic and foam."	We will try and print asaddle our self, tohave something thatwe can test if works	Both The potential costumersand the bike fitters. Mostimportantly the costumers sincethey need ensurance of quality,but also the bikefitters have toaccount for the product	After we have printed the saddle we will test out the comforbility and durabilty qualitatively. Just by trying to use it	if we have that the materials are as good as we wan't to and we feel it is possible to test the materials this way, we will be happy and not do more	If the we find it hard to test the materials in a qualitatively way. We will do some research to find how we could otherwise test the materials. And maybe stick to harder pro-type testing