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INNOVATION PROJECT

# BICYCLE TRAILER

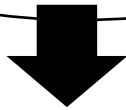
A solution for  
flexible bicycle  
transportation

*Hänninen  
Järvinen  
Raudaskoski  
Venäläinen*



# CURRENT SITUATION

## PERSONAL TRAILER



Solution for light and agile everyday transportation, e.g. groceries, commuting or recreation

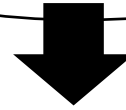
Existing (commercial) solutions are slightly clumsy and "big-boned"

For personal use



## PROTO

## COMMUNITY TRAILER



A more versatile and simple solution for different transportation needs

For communities, enterprises and housing companies. Shared or rented.



## SERVICE CONCEPT



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# Suunnitteluperiaatteet

## PERSONAL TRAILER

Simple and compact

Light and easy to trail behind a bike

Easy attach and remove

Bag or other items are fastened to a simple frame

BAG

A unique bag from weather resistant and durable materials will be designed to be used with this trailer.



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# Suunnitteluperiaatteet

## COMMUNITY TRAILER

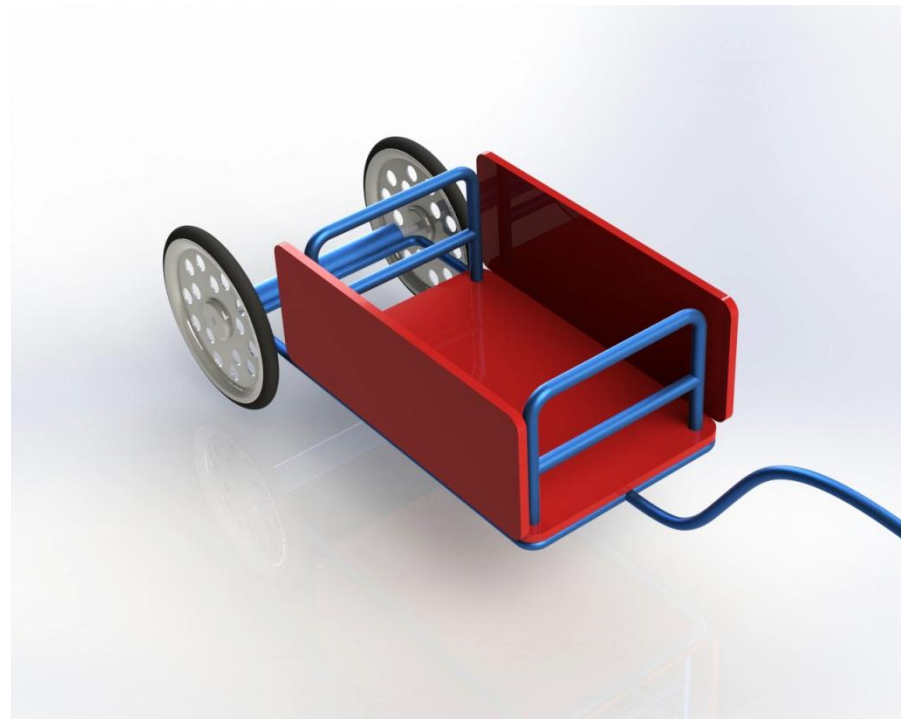
Box trailer, that can be opened for more versatile use.

Easy to attach and remove

Fastened to saddle bar

Light and simple frame

Rented / Service concept



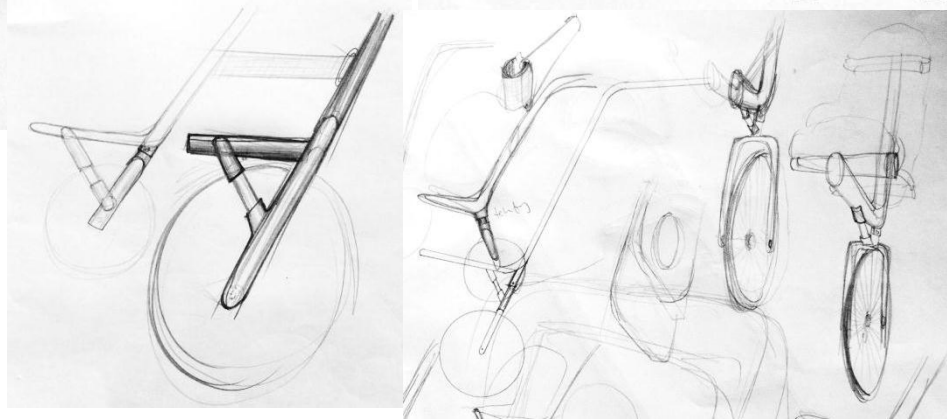
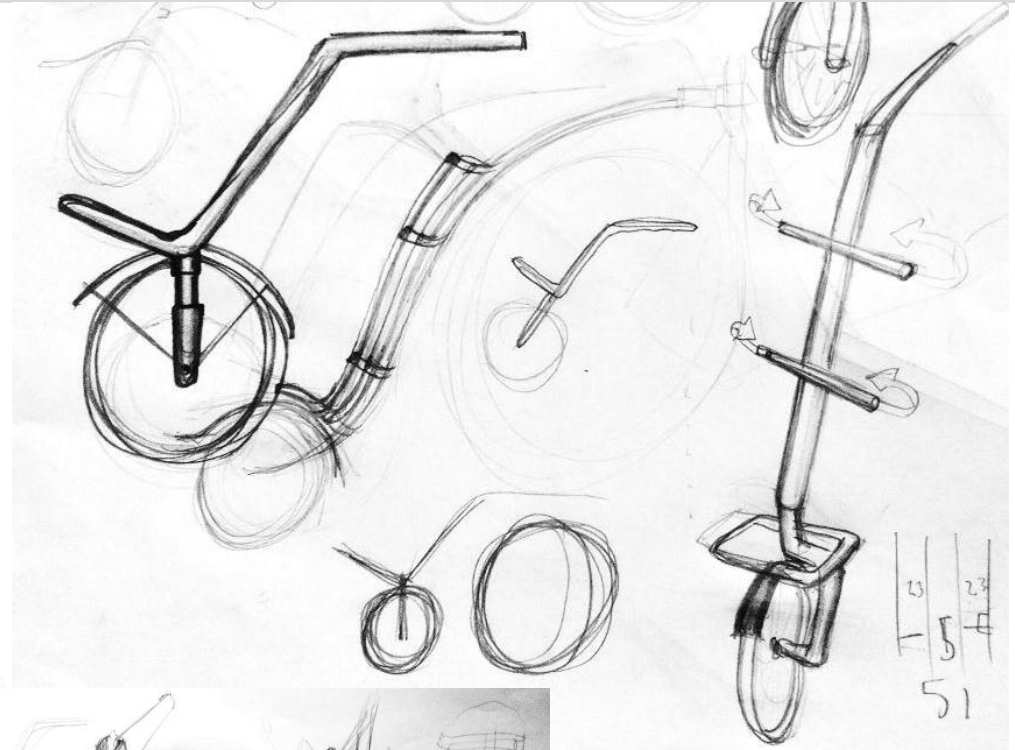
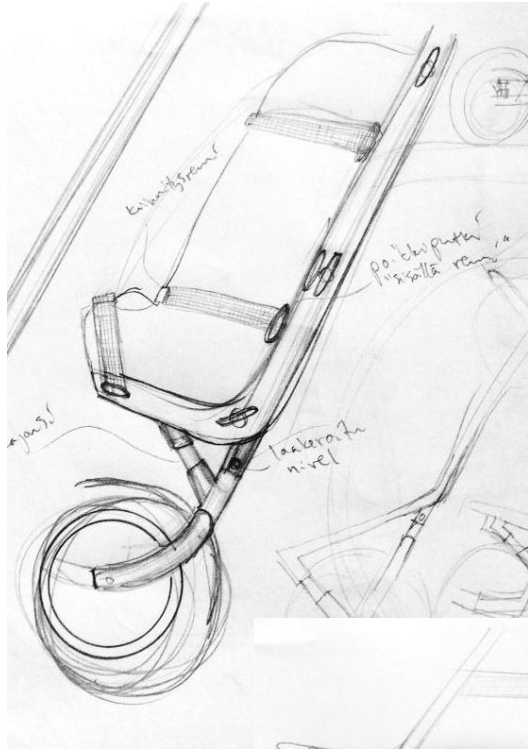
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# SKETCH PHASE



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# SKETCH PHASE



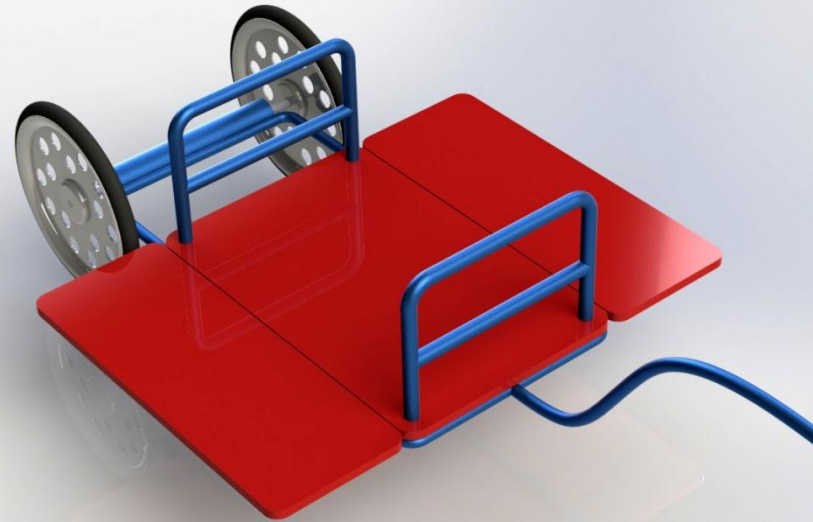
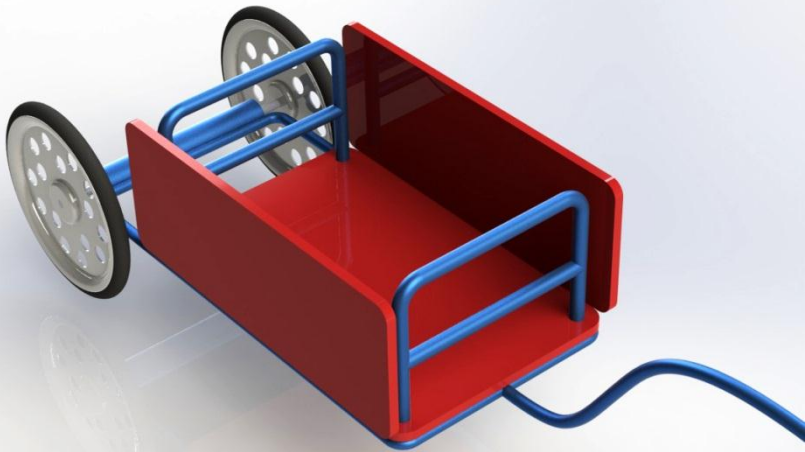
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# SKETCH PHASE



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# SKETCH PHASE



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# NEXT STEP

➔ Benchmarking, research more

Tires

Locking mechanism

Joints

Springs

Bag

➔ Designing the cart with existing parts?

➔ Producing a prototype



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