

Boun

AllCartv1

The open-source handcart design challenge





Fig: 1 – Abandoned streets and changing landscapes

Premise

The market scenario is changing rapidly with every passing decade. With technology pushing almost every digital interaction automated from the warehouse to home solutions, the streets are a choice now and not a go-to destination for all of us.

A social network to the city in the offline realm, the streets have been a place to serve the city by people from all backgrounds of life.

The digital motion not only moves a lot of economic activity to screens – it builds a huge wall for people especially from lower strata to participate in commerce activities freely. And the public health concerns at the same time have changed the game entirely for most of these breadwinners who in turn made our streets how they used to be.

What does this mean for the future? And especially the future of the streets?





Fig: 2 – Pandemic driving popularity of street market down – (Image: NYT)

Re-opening

The lockdowns may have been very temporary yet their impacts are still existent on the city life. People are not preferring to eat on the streets let alone the restaurants.

Vendors are pushed to invest more in selling things that no one wants to buy – especially in the food sector which holds a lot of share in the public street life. The changing market dynamics hit most severely the people with the thinnest economic cushion.

When corporations face a huge alienation crisis like this, they hire expensive consultancy services to find the grip on the market they've been replaced from recently and have the budget to reinvent their product chain entirely. (E.g. The Gas car to electric transition)

Such options are never available with small vendors and markets they serve. They try to fit the ideas they know with whatever small information they have and try again. But will it help?



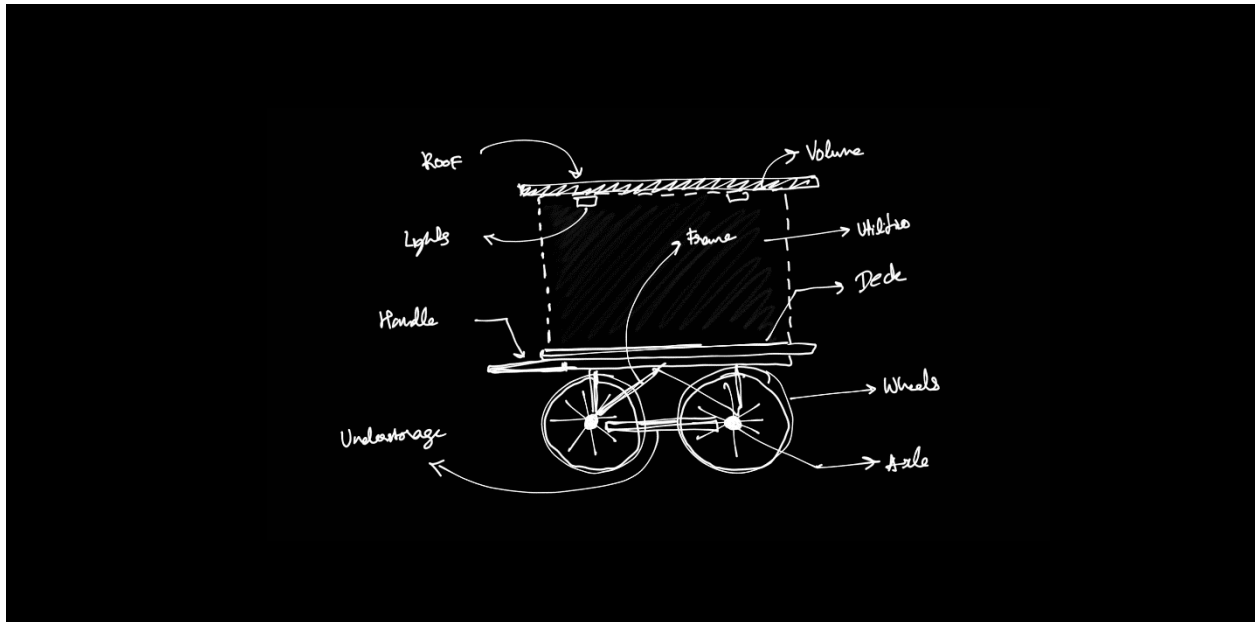


Fig: 3 – Elements of a street cart - An idea

Brief

The challenge vendors face is unprecedented especially when the entire commerce is now an upstream ride for them. How can we as designers help them restructure their businesses a little? How can we with the limited knowledge we have, open a gateway to them reaching unlimited possibilities of relevance in 2020? How can we empower them with new tools that help them stay relevant in changing times like today?

The design challenge is to develop a handcart concept for vendors that helps them reinvent their commerce methods considerably. The design should be lean and cost-effective for the investment they can make and open new means to utilize the inherent qualities of selling on the street and not being pinned to any location. The design should use available technologies and hybrids like smartphones, etc. to give them a much-needed boost.

This is a multi-level challenge where the first competition will seek only the cart design, followed by a next challenge that will call for plugins that can be built on the winning design.



Objectives

Trend identification: Identify places, spaces, and possibilities in 2020-2021 what are the needs of people? What do they expect? How can we serve them?

Design Reinvention: Analyse traditional handcart designs in your region that can be a possible beginning for your design you can choose to build on the same design or reinvent it from entirely scratch.

Robust: Develop this concept as a design bench that has the ability to evolve change in the future, and can take intensive use during its lifetime. Parts of the design can be motorized too.

Expansion: Prepare outlets, joineries, fittings – that build a room for small plugins that can be attached to this cart to develop/change/evolve/grow commerce methods in the future. The joineries and junctions you propose will be used to develop the next design.

Site / Cost

The cost is unrestrained at the outset of the challenge – however, participants are expected to play along the frugal lines where standardized materials and low-cost manufacturing can propel the cart to the best results. The cart belongs in urban areas where the yield can be high but can expand to peri-urban areas as well. The size should not be more than 3.5m (L) x 2.5m (B) x 2.5m (H) in a packed position. When set up the size can expand according to space available.

How to submit?

Read all the competition rules and details from the sidebar, and hit **register**. You can pay the entry fee and book your registration right away. The additional resources directly unlock as soon as you register on your dashboard. Once you are ready with your project - begin uploading from the dashboard and follow this tutorial to submit. You can add your team members to your project while submitting.

Discover the full submission tutorial here: <https://to.uni.xyz/uploadtutorial>



Rules

You have to deliver an architectural outcome on the following site, based on the given outlines.

1. Recommended number of sheets/presentation images/boards:
3 (Three) of size [2800px x 3500px] in portrait digital format (JPEG only).
2. Minimum 3 (Three) & No maximum sheet limit. Each image should be less than 15MB.
(Do not submit PNG format)
3. Minimum requisite submissions are sheets/boards + Cover image containing:
 - a. Plan (Compulsory)
 - b. Key conceptual sections x 1 (Minimum)
 - c. 3D views x 4
 - d. Additional cover image of 2000px x 1000px
 - e. Write an article/story in the Journal section# of the project (of about 700-1000 words) answering the questions given in the Additional Resources.

#Journal Section appears midway in the project submission portal. More instructions in the additional resources.

Additional Resources

This competition contains additional resources that contain a set of files useful to complete the competition submission. This folder is made available on your profile dashboard automatically as soon as you register.

This additional resource folder of this competition contains:

Submission Format files in PSD | AI | InDD & Guide to Journal Section + Questions

Learn more on <https://uni.xyz/competitions/allcart/info/about>

Base Rules

- + The competitions are open for students and professionals from all the disciplines of design.
- + The team limit for this competition is 4 members maximum per team.
- + You can register more than one team but they have to be registered separately.
- + Ensure that the final sheets submitted do not include your name or any other mark of identification.



- + Your submission is linked to your UNI user account which stands as your identification, we do not have any identification codes.
- + This is a design ideas challenge only. There is no built commission/realization associated with the problem.
- + In case of publication in the yearbook we will reach out separately for selected entries.
- + The winning entry will be a curating partner of the Allcart v2 challenge.

Pro Tips

- + Use exploded views to discuss multi-leveled conceptual models better.
- + Mention sheet number on the corner of every sheet.
- + Plagiarism of any idea/form/design/image will be disqualified with a notice.
- + All the sheets or images will be viewed on a digital device. e.g. Laptop screen or projector. Uploaded sheets or images will not be physically printed for evaluation. The submission hence should be prepared for digital viewing only.
- + Submit JPEG images only. (PNG will not function)

Judging Criteria

The entries will be judged by an international jury of the competition on the following criteria:

Presentation: The fundamental to a good entry is a visual delivery of ideas.

Concept/Idea: Quality of thought and intent in the pre-design phase.

Spaces/Program: How the spaces are calculated and ordered.

Design Outcome The final architectural outcome of the solution.

The judging panel can also add other criteria based on their internal discussions - which will be in line with the problem statement. Participants are advised to fulfill the above-given criteria first in their design. Names of the jury panel will be announced soon.

Prizes / Deadlines / Registration

For complete information on active prizes and details on the entry fee, visit the **Awards & Fees** section of the competition here:- [Awards&Fees](https://uni.xyz/competitions)



Learn more about this competition here: <https://uni.xyz/competitions/allcart/info/about>

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