

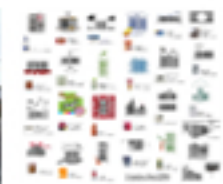
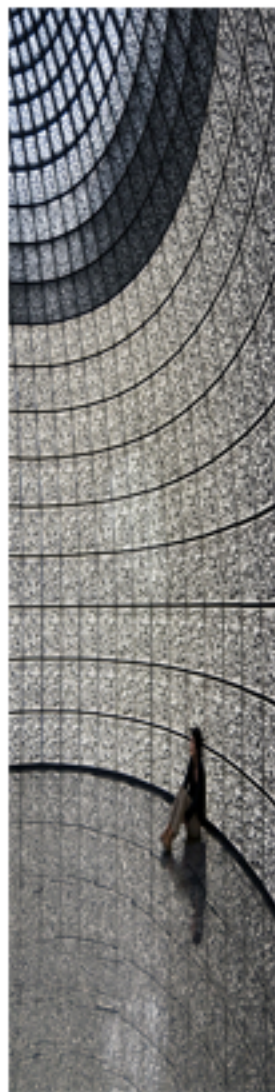


An idea to improve public  
transport.

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2/17/15

If there was a way to describe the general meaning of this project, it would be about one of the ways that it can help with public transport. The reason I think that this might be a good idea is because, usually public transport vehicles such as buses and trains tend to be a problem when they are extremely filled up with other commuters. How this is a problem is that not only you are in danger of many things but also the people around you and the bus driver is putting a risk on themselves as well.



Identify a real world design problem you have observed your surroundings or environment. This problem could be political, local, systemic, or even related to your school. After some initial brainstorming, you will add structure to your ideas by completing the following ideation scenarios.

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**1 User Group:** Public Transport Riders.

I had a suggestion that I wanted to propose, which is the general idea of redesigned/modified public transport vehicles. I had this problem throughout my entire life however it was best exclaimed during my Middle School to Early College years. The fact with Public Transport was something I hated and gotten annoyed with on a daily basis due to how off they are or schedule along with how there isn't any room to stay inside to ride.

**2 Design Problem:** The Problem regarding space in Public Vehicles.

The reason for space in terms of Public Vehicles is because that tends to be an issue at times for customers who really needs to deal with. The problem of how close they are by other people, along with the fact there are less or hard to reach sections that can be used to anchor people such as handrails but wouldn't really help out with holding on with the small space. Plus this could also prevent people from leaving or entering buses along with trains with how other customers tend to block the entrance or exits at times.

**3 Motivation:** Issues with time placement and personal space.

A) Sometimes from my opinion when I am in many types of transport vehicles there would be the issue with me trying to get on or off from being blocked by other people.

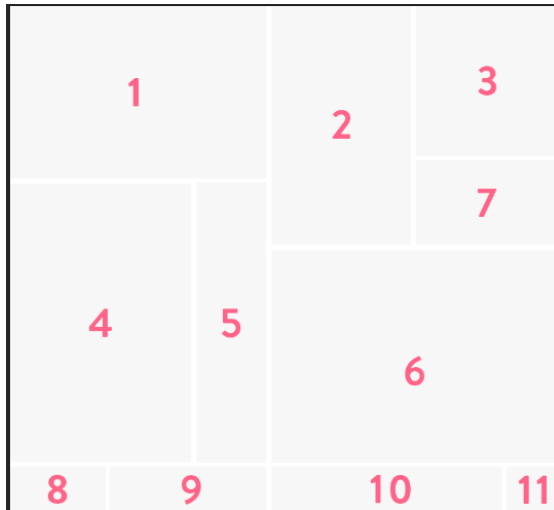
B) When there is usually space on a train or a bus there are times where someone would hold the door open even during filled times which delays people and the operator of the vehicle.

C) Previously it gets bothersome with how I would need to move heavy, as well as large things through a small space of passage while trying to hold on the moving vehicle which is troublesome.

**4 Solution:** A sensor that can keep track of the amount of people get on and off from the card passengers use along with an indicator to know which stops people will get off at. This can be rather useful since if buses were to have such a thing then the issue with buses, filling up way too fast would be reduced along with the dangers that will happen. If people were to stay inside of a crowded vehicle that prevents movement and blocks entry. If the issue of buses doing something like that were to displease people then the idea of providing more vehicles can help remedy this problem to an extent.

**5 Outcome:** More people able to reach locations in time along with more space to move with less restrictions.

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