

Pandemicab

My idea is to design a type of public transport that will be used in future pandemics like the one that we are currently going through. Traditional public transport is not a very safe way to travel in a pandemic as they usually consist of multiple people from different households all together in an enclosed environment. I thought that one of the best types of public transport in a pandemic that could be improved is taxis. Taxis are in my opinion the best form of public transport in a pandemic as they can only hold a small number of people, this therefore means reduced risk of transmission.

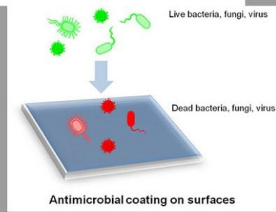
The first main safety feature of the Pandemicab is that it is driverless. Automotive companies are working hard to develop the first road usable drivable car and they are already very close to this goal. I believe that public transport would benefit greatly from driverless technology, especially during a pandemic, as there will be minimal households mixing inside the vehicle.

The second main safety feature is an integrated disinfectant fogging machine. These fogging machines have been used widely during the current pandemic and have shown to be very effective at keeping case numbers down. This in my opinion is a great thing to implement into public transport as it means that the passengers won't need to worry about any germs that the previous users may have left on the surfaces. The fogging machines will turn on as soon as passengers leave the vehicle. To have added effect on these machines, the surfaces themselves will have an antimicrobial coating. This should then make it almost 100% impossible to catch any diseases from the Pandemicab.

The third main feature is for convenience and safety, it is the integration of contactless payment inside the taxi. As there will be no driver to collect money in the form of cash and as it is a less safe way of paying in a pandemic, the use of a contactless payment machine is definitely a good idea.

There are some features that are the use of psychology to help people feel better as that is important in such a tough time. One of those features is the doors that when opened, they resemble the wings of a dove which is a well known symbol of hope. The other feature is the choice of colours. I chose the main colors to be yellow and grey. Yellow is a good colour to symbolise warmth and therefore makes you feel generally happier. It is also a good colour to use inside of public transport as it can act as an aid for partially blind people because it is so bright, that is why it is used in most public transport that we see today. Grey helps make the vehicle look professional and clean which will make people feel safer which I believe is crucial in a pandemic.

In conclusion, the main idea for the Pandemicab design is to make people feel safer and happier during future pandemics. It is also to help keep disease cases down while still helping people get to important destinations, for example getting key workers to work.

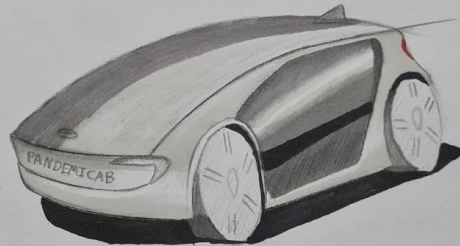
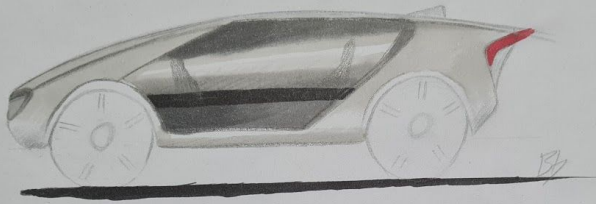


Pandamonium moodboard



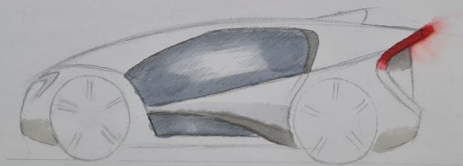
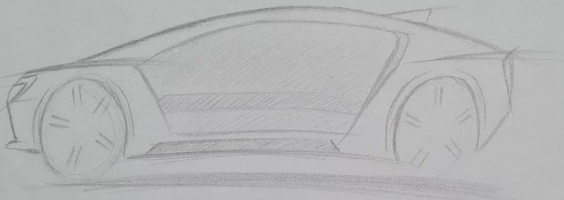
Toyota Pandemicab

Sketches



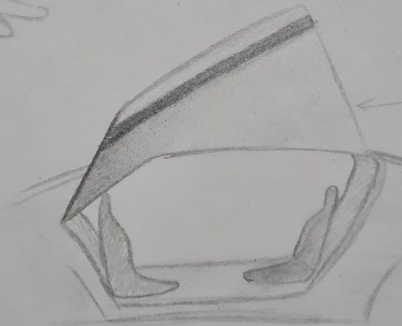
Toyota Pandemicab

Sketches



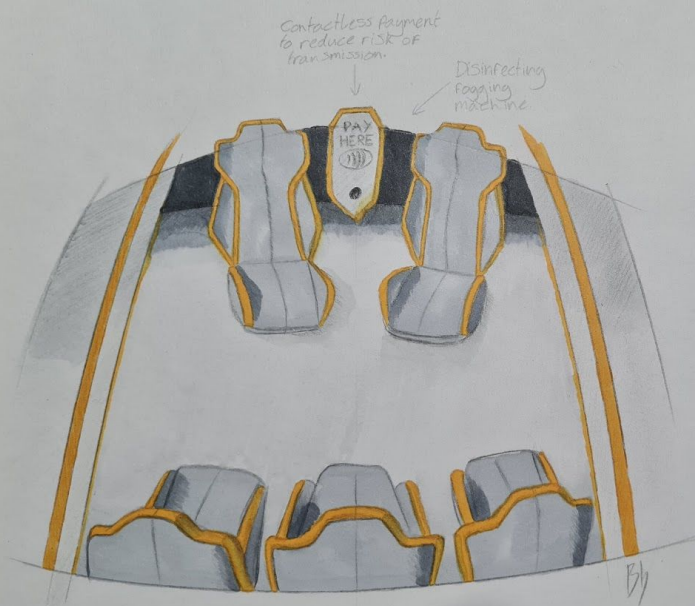


The dove represents hope and in a pandemic, that is what people need. To symbolise hope with the Pandemicab, I have chosen to make the doors open to look like the wings of a dove.



The top of the window is made out of a flexible plastic to create the dove wing effect and it also creates an air tight seal.

Interior Sketches

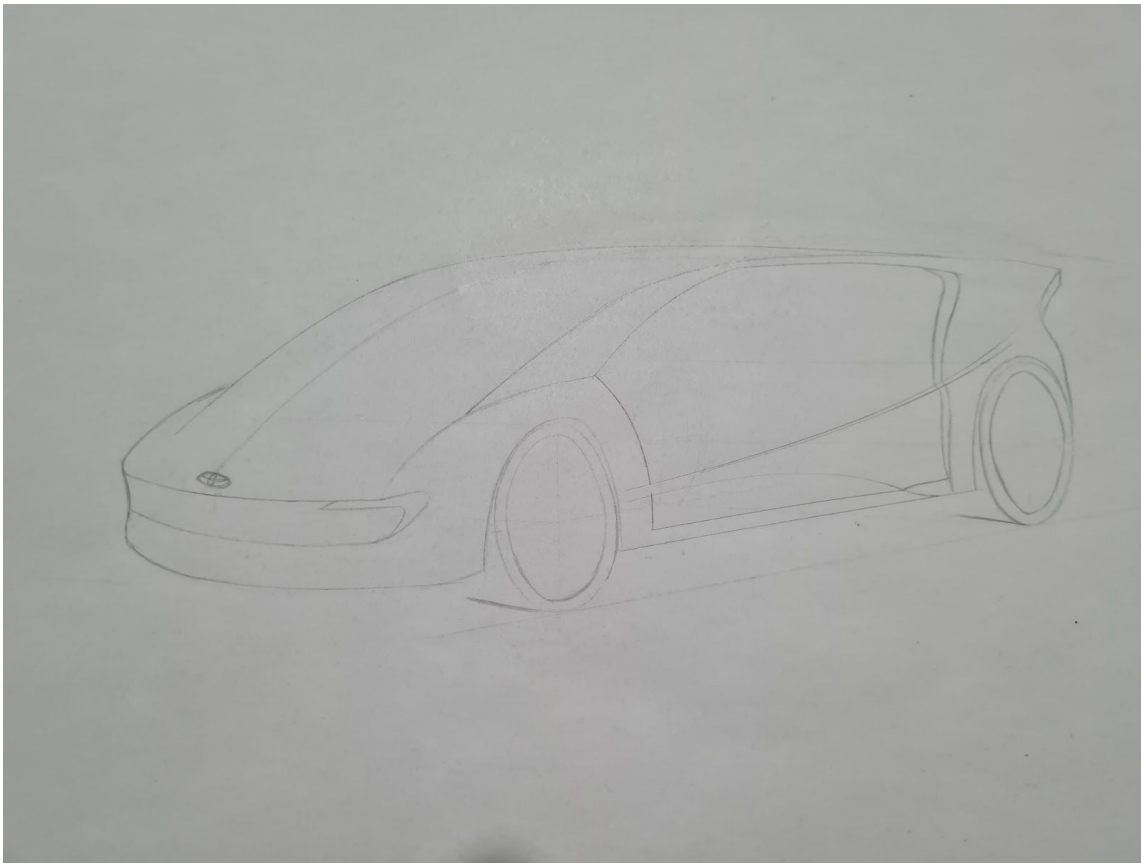


Seats have an antimicrobial coating on surface.

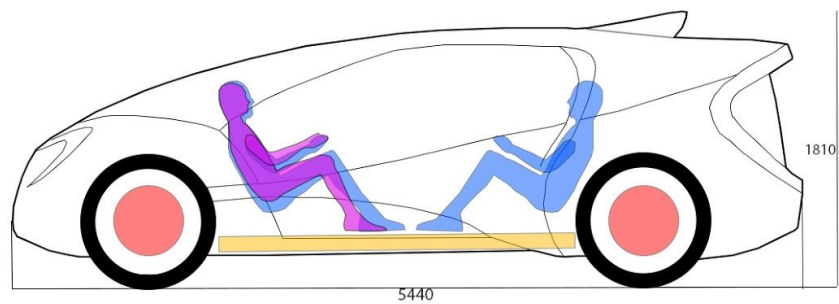


The use of yellow accents helps people who are partially sighted and it helps add warmth to the interior.

The use of grey for the majority of the interior gives a clean and professional feel.



TOYOTA Pandemicab



- Tires
- Female
- Male
- Electric Motor
- Battery cells
- Computer

