This idea is quite bulky and resembles a lounge sofa, but with a twist. The seat goes below the armrest as shown in the 3D drawing and mockup, it will be made out of foam and have a deep seat cushion. I don’t love the overall look of this design because it looks as if outdoor & indoor aspects have been combined to create a chair which I don’t look out of place. Moving, including the outside appearance, I think it’s a bit too uncomfortable and stable. Also, it will be difficult to withstand heat of pressure and be waterproof. It will be replaced by the canopy which will be mounted & cover the seat of the chair. The structure beneath the canopy cushion will be a big block of solid timber that has been turned to create the seat curve. I see how the fabric part will appear a bit amorphous, but instead it is just lower to create the seat.

Continued...

### Change 1: Canopy
I have extended & curved the canopy which will provide much more effective shade. Also, I have added support columns which extend out from the columns to connect to the seating base.

**Advantages**
- It looks smarter
- More durable

**Disadvantages**
- Steel sheets are more expensive than fabric. However, I have kept the fabric price lower to make it more affordable. The canopy will now be made of powder coated light zinc-grey fabric to give it a more sophisticated design. The structure will remain the same, but it will be water-resistant and darker in tone, making it look cooler.

### Change 2: Base
I want to develop the base of this design because it looks bulky and requires a lot of unnecessary material.

### Change 3: Material
Instead of the seat being cushioned out of moulded foam as originally planned, it will be made of metal. Steel sheets have been powder coated to give it a more sophisticated look.

**Exploded drawings of canopy & base:**

**Purpose:** To show how different components fit together.

### Change 4: Armrests
I want to add some armrests to reach the maximum comfort level. Instead of extending support columns, they will be curved to create armrests which are comfortable to sit on.

### Change 5: Armrests
My previous attempt of adding armrests resulted in the design looking unappealing and outdated. This time, instead of extending the support columns of the canopy, I will have a flat steel piece which is connected to the seating base. The armrests will be placed above the seating base, turned over in order to make the armrests.

**Comment:**
Even though I made the armrests in this style, my armrests don’t look like they fit in. After adding this idea, I have decided to look unappealing and don’t think it’s in line with the symmetrical style I am trying to achieve. I will either develop their armrest or remove them altogether.

### Change 6: Brace
I will have to add support structure under the canopy to ensure that it will be strong and stable, since the estimated support columns have been removed in the process of developing the armrests.

This is a cross-sectional side view of the canopy which demonstrates how the triangular brace will be attached by a pair of barrel nuts for both ends of the brace. The construction will be held together by a mortice and tenon joint.

**Exploded cross-sectional view:**
- Barrel nuts
- A barrel nut is a screw-in nut which is inserted through the holes of the structure and the brace of the two to lock them together.
- Braces
- Canopy brace
- Space for barrel nut to fit in