

## 0.1 Intention

What problem are you trying to solve? What are your motivations and goals?

I have a messy table and lots of brushes. I have to organize my room by starting from my desk.

## 0.2 Research + Context

What makes this similar or different to other objects in the same field? How have other objects failed to solve this problem?

The brush holders sold online are either rectangular, which has no aesthetic design at all or too expensive

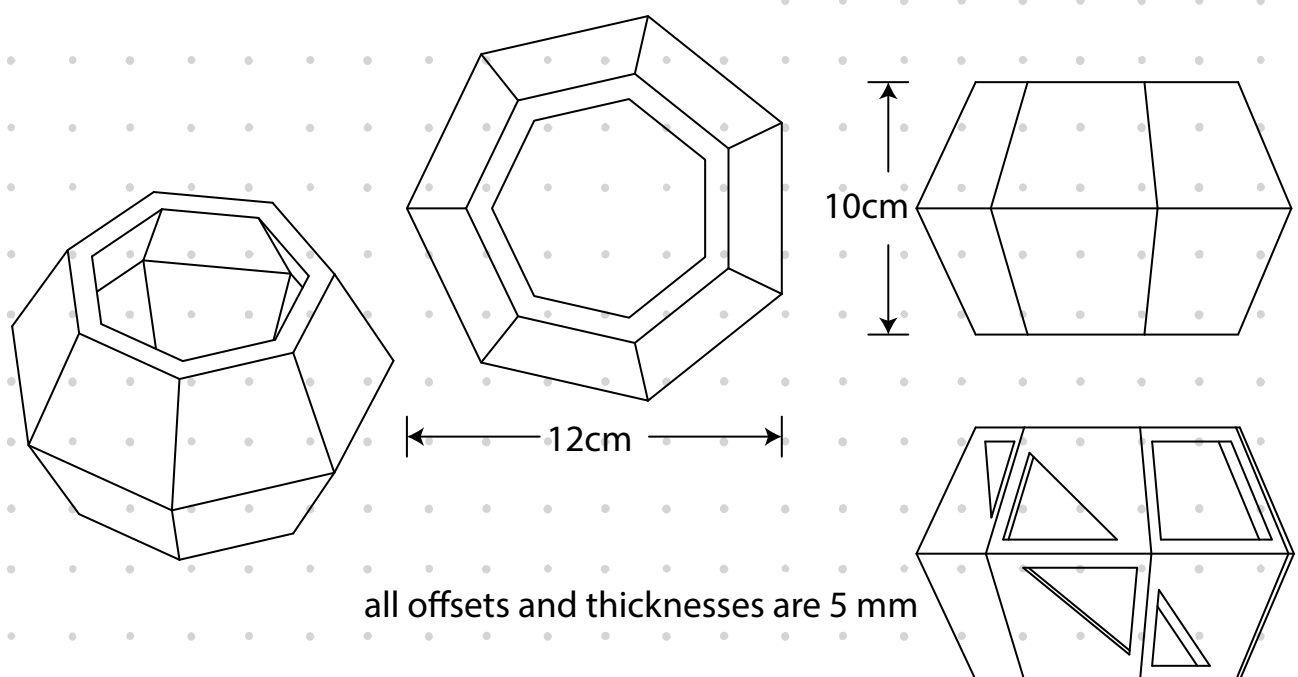
## 0.3 Aesthetic Inspiration

What influenced your design? Is there a specific style, art movement, or natural phenomena? Include at least one example.

My inspiration came from one of my architectural study project. The building is built during the modernism movement and it varied from the ordinary forms.

## 0.4 Sketch Your Project Below

Include dimensions, points of actuation, materials, colors, etc.



## 0.5 Process + Procedure

- Outline your approach to the project. What steps will you take to design, model, sketch, and prototype this project? How will you refine or reject your ideas? What materials, tools, or techniques will you need?
- Draw a cross section of your object and list the modeling steps in F360. Consider which plane to make your first sketch in, the basic geometries of your project, and what measurements or joints you will need.

The design form is determined, then I need to think about the variations and unique features on the object.

- The top of the holder probably need some prototyping to find the accurate tolerance dimensions.
- The overall holder will be 3d printed and the top will be laser cuted.

### Fusion 360 Steps:

- - draw the heptagon on the XY plane
- - offset plane to the midpoint of the object
- - project the form and rescale it
- - offset the plane again
- - loft the three gometries
- - shell with destinated thickness
- - draw on the surfaces on the holder to create openings
- - extrude cut

## 0.7 Additional Questions

- What more research is necessary?
- Who can I ask for help?