

TRAVEL MAKEUP BRUSH STAND

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PROJECT GOALS

A NEW WAY TO HOLD MAKEUP BRUSHES

Keep makeup brushes organized, clean, and easy to grab.

MAGNETIC AND ALSO STANDS BY ITSELF

Versatile and stylish—choose the setup that works best for any location.

FOLDABLE AND A TRAVEL CASE

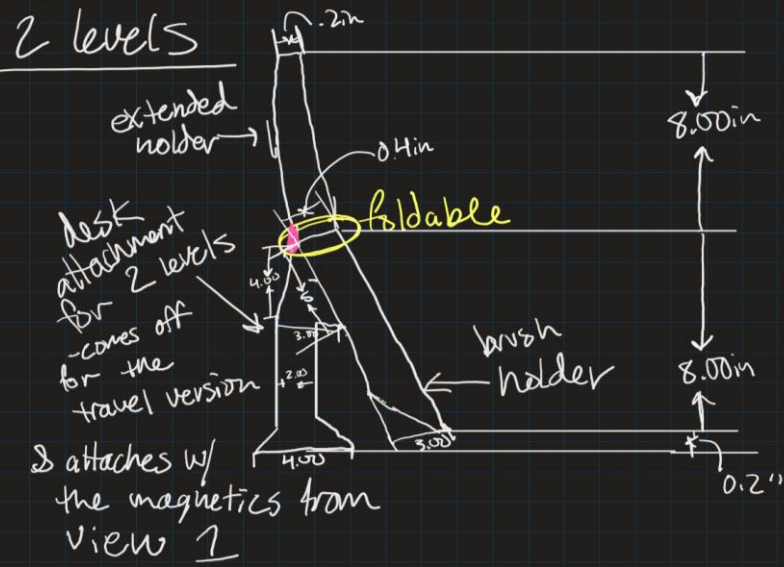
Easy to transport, compact, and convenient. Comes with a travel case!

ADJUSTABLE

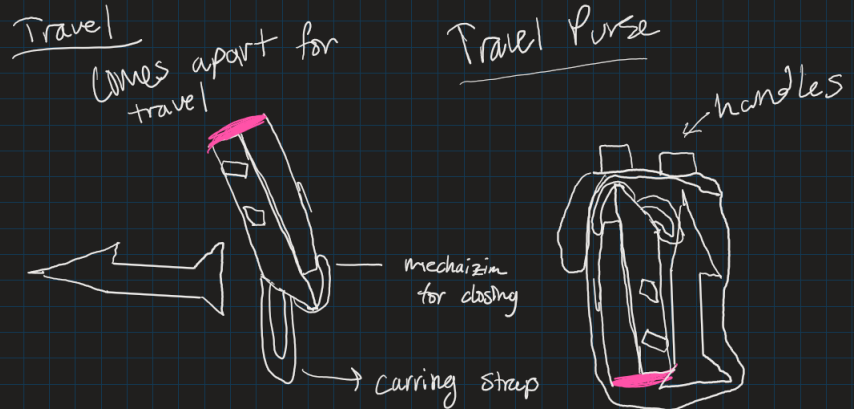
Customizable to fit any brush size and weight. Comes with up to 15 magnetic brush holder straps.

DESIGN PROCESS

BRUSH HOLDER



TRAVEL



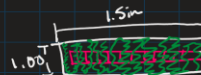
STRAP CLOSE-UP

straps w/ flexible
magnets in them for brushes

top-rolled



side-stretched



reusable
magnets so strap
can become as small
as needed?

↓ velcro on
outside so strap
sticks to
itself

view 2 - front

flap so brush hairs
don't get everywhere

divert for bigger
brushes

pocket for
very small
brushes

slant that
blends into case

magnets



for thick brushes

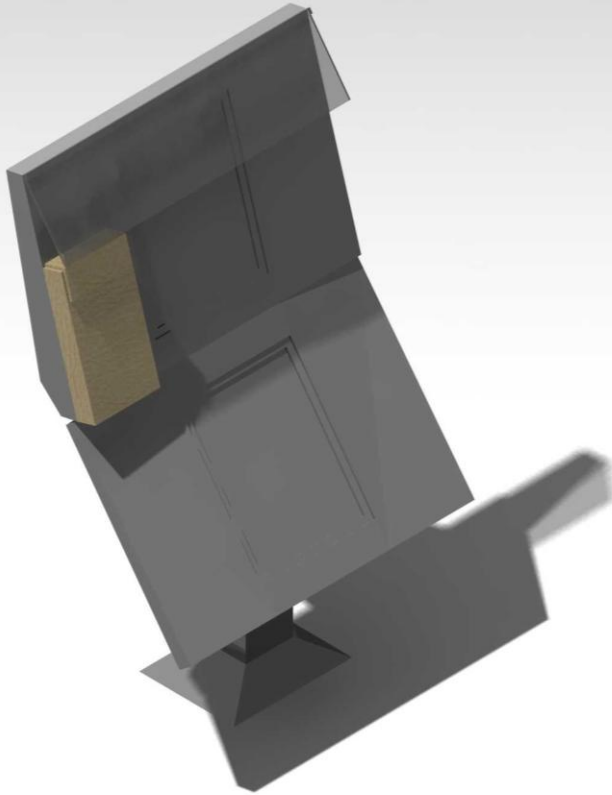
on ends gets
skinnier

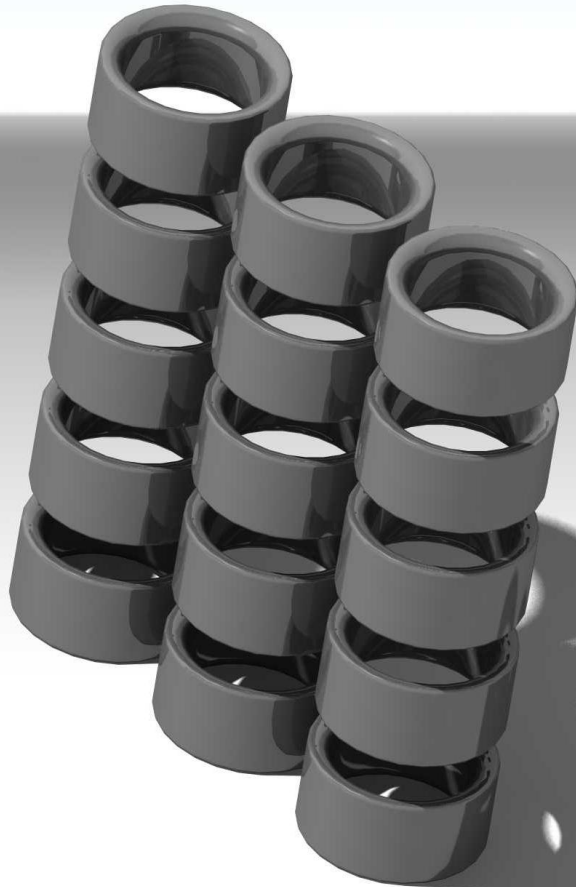
FRONT-VIEW OF HOLDERS

DESIGN PROCESS

MAKEUP BRUSH STAND ASSEMBLED

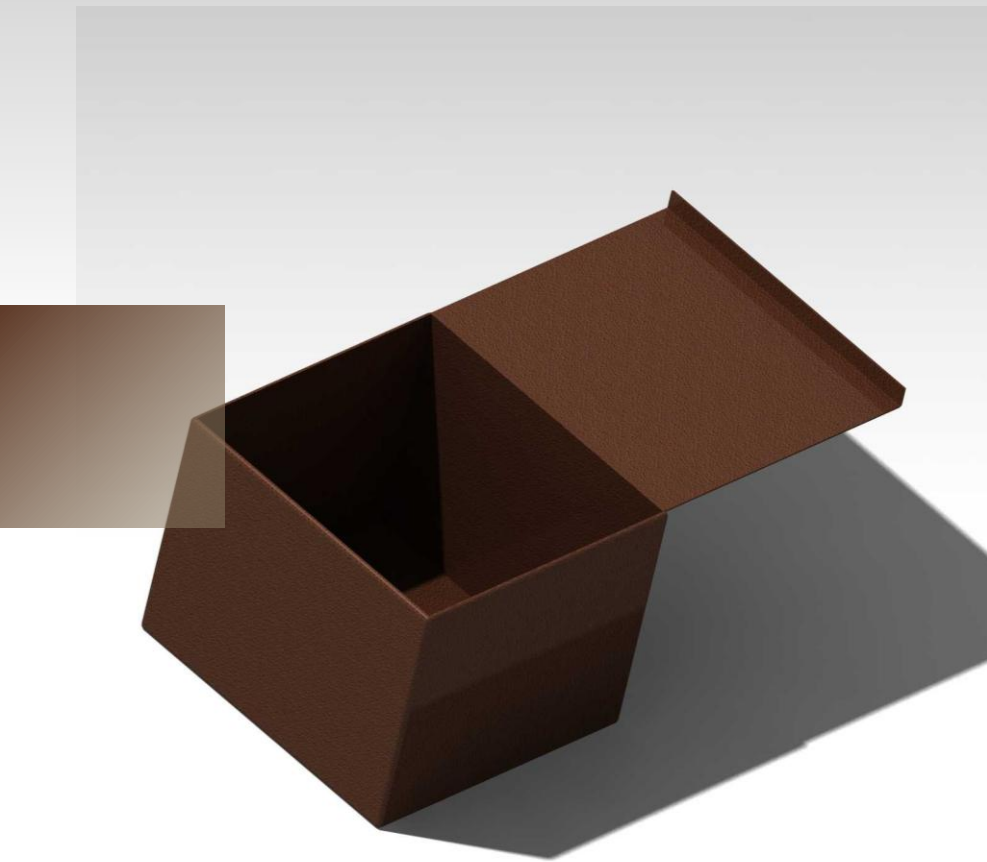
- The two upright brush holders hypothetically have magnetic strips that run through their middle lengthwise allowing for the brush straps to magnetize in place.
- The pocket to the left of the stand is magnetized to the brush holders and is a little pouch for tiny brushes and miscellaneous items.
- The back has a removable carrying strap for travel ease.
- The back is also equipped with magnets in case you want to hang it under your dorm bed.
- The flap is to make sure brush bristles lay flat.





BRUSH STRAPS PART

- This part doesn't belong on either assembly but rather as removable and individual parts.
- The magnetic brush straps are retractable to adhere to the size of each brush individually.
- The straps are magnetic and magnetize to the brush holders on the stand.



TRAVEL CASE ASSEMBLED

- This travel case is the perfect size for all components in the project.
- The lid will snap shut well.
- The back of the lid has carrying straps to pick up the case and easily transport all objects within.

Pre-Modified



The travel makeup brush stand taken apart and in its case before modifications.

Modified



3 MODIFICATIONS

- Increased the size of the Pocket
 - allows for more items
- Increased the length of the Mechanism for Closing of the Holder
 - minimizes tearing
- Increased amount of Adjustable Straps
 - allows for more brushes

MATERIALS

PLASTIC

BRUSH HOLDER
EXTENDED BRUSH HOLDER

PLEXIGLASS

BRUSH FLAP

MAGNETS

IN VARIOUS PARTS

LEATHERS

Two different types of leather in...
CARRYING STRAP OF BRUSH HOLDERS
TRAVEL CASE HANDLES
POCKET

TITANIUM

BRUSH STAND
TRAVEL CASE HANDLES

WHAT I WOULD DO DIFFERENTLY NEXT TIME

01

PICK A PROJECT THAT CAN BE REFERENCED

It was really difficult to just make up measurements that would fit together as I didn't have reference objects. So I would end up spending large amounts of time error checking within CATIA.

02

PUT HOLES FOR SCREWS AND ADD SCREWS FROM THE DATABASE

After designing everything, I realized there was no way to keep the desired parts together. This goes back to having a project that is already done to reference it.

03

HAVE BETTER PLANNING AND MEASUREMENTS

This would help the project go much smoother and much faster.

**THANK YOU
FOR
WATCHING**