Foundation 3D - G2 - Group Assignment

PLANAR CONSTRUCTION

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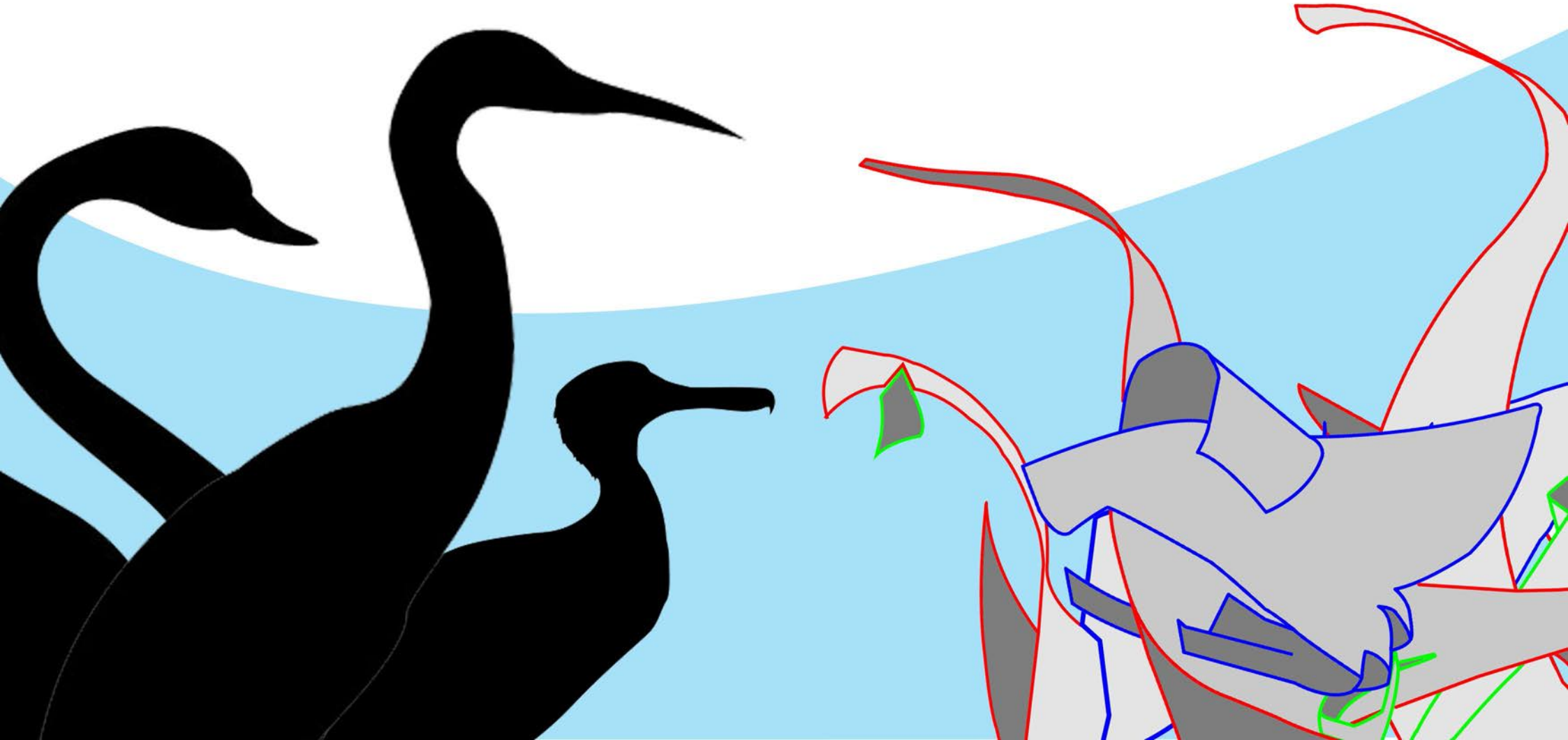
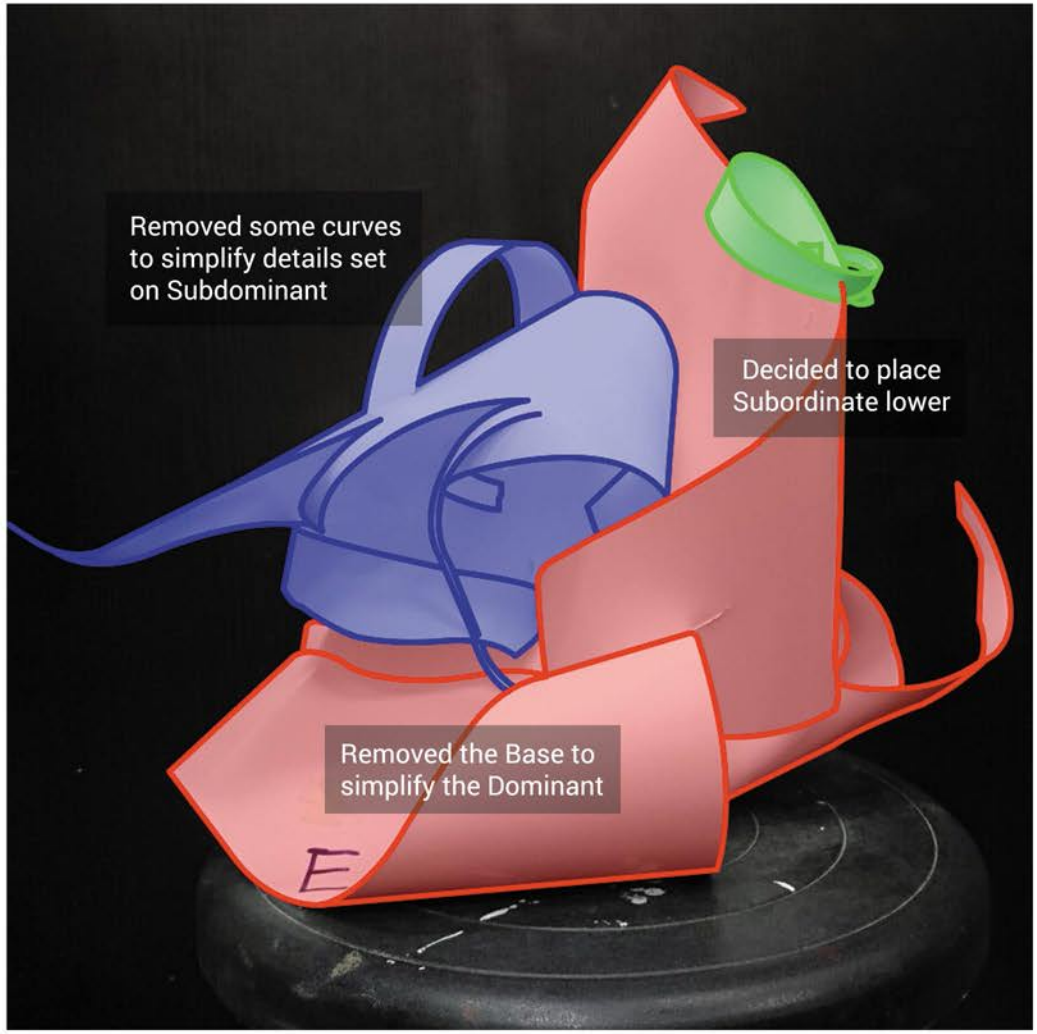


INITIAL SKETCH MODEL

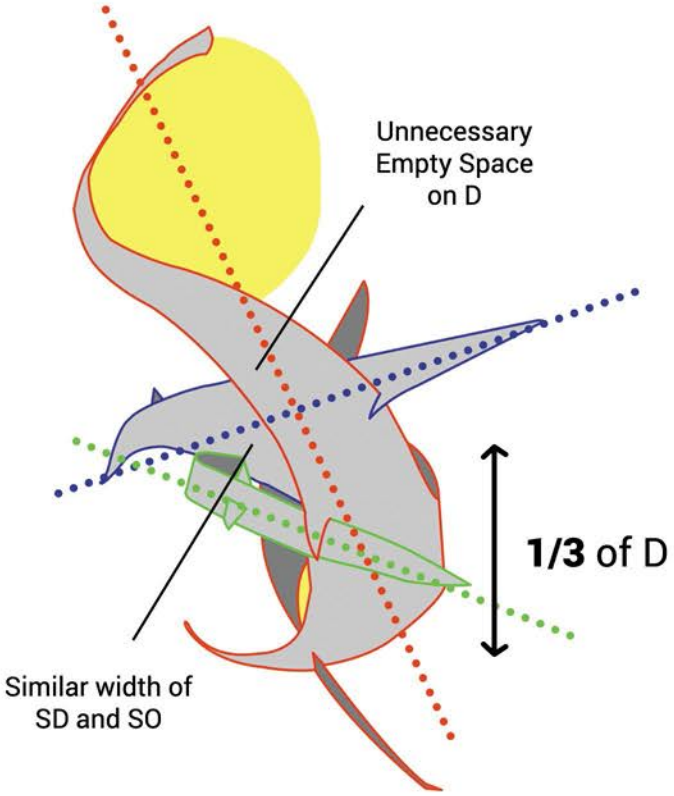
SKETCH MODEL E Made by Bey Shi Min

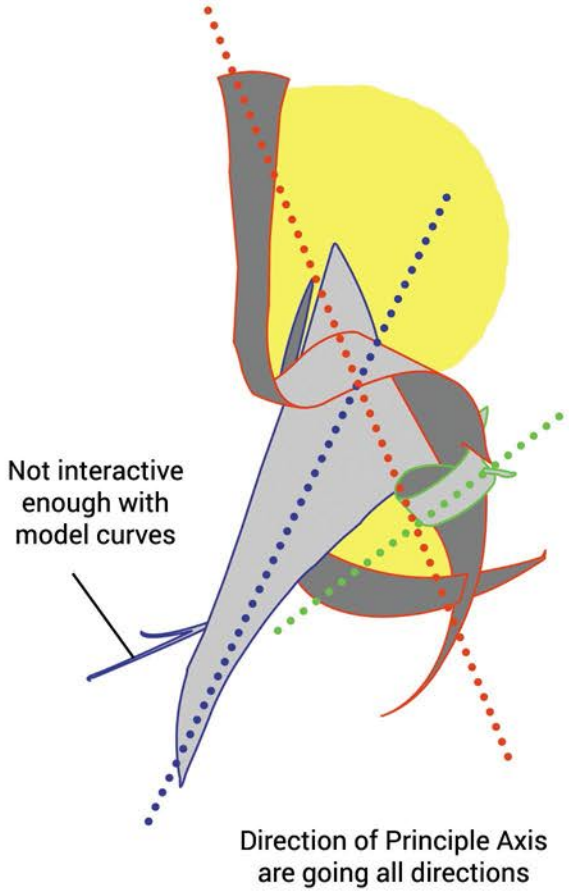
Upon first inspection by the 3 of us, we divided the sections accordingly to Dominant, Subdominant, and Subordinate in order to start exploring possibilities for improvements by simplifying or adding more details. The shape reminded us of an avian creature that is posing majestically, so we decided to create our new sketch models based on the theme of those feathered friends.

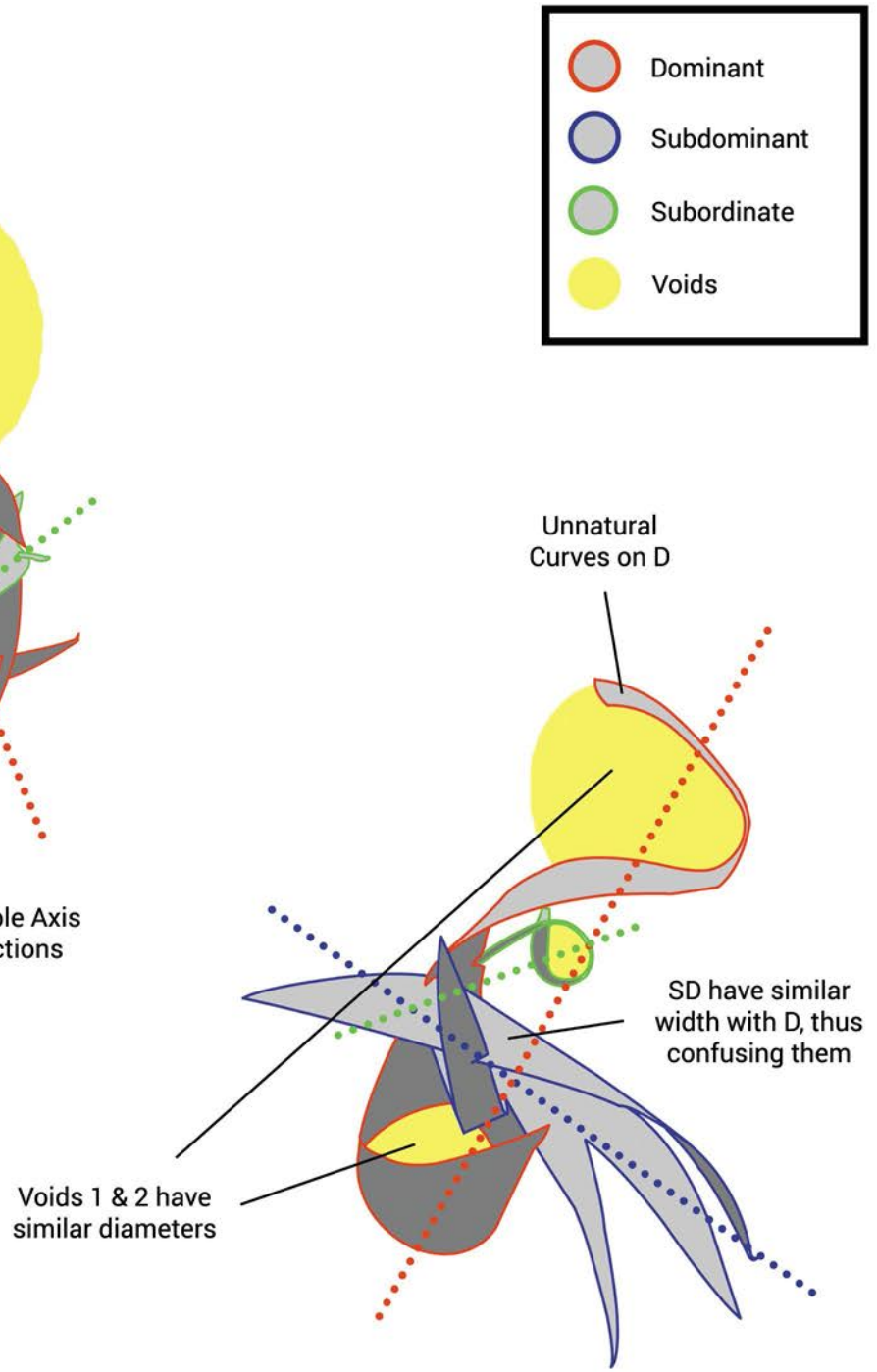


MODEL 1

THE CORMORANT

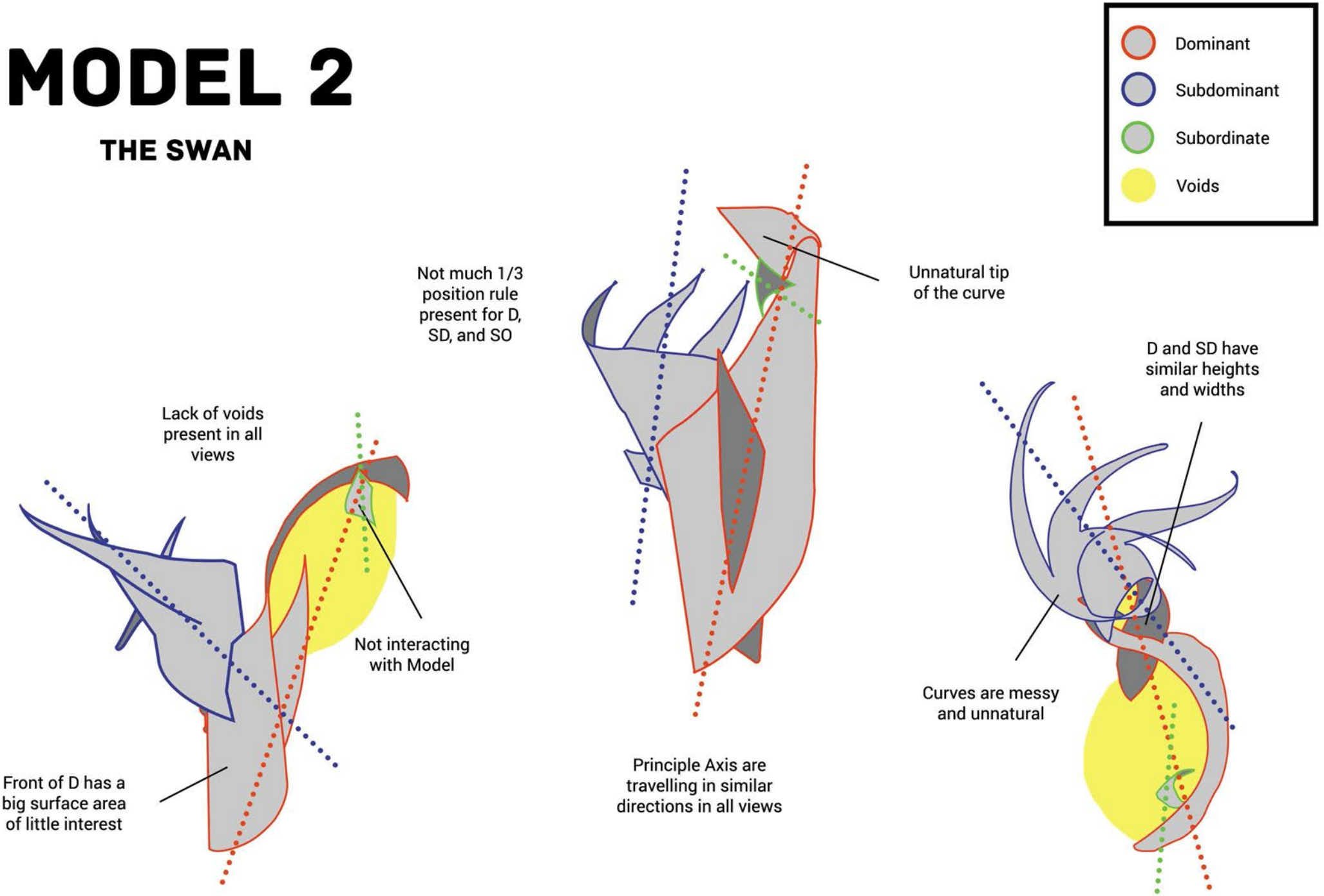






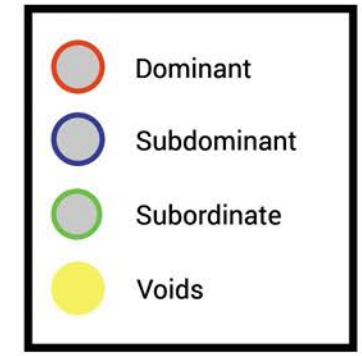
MODEL 2

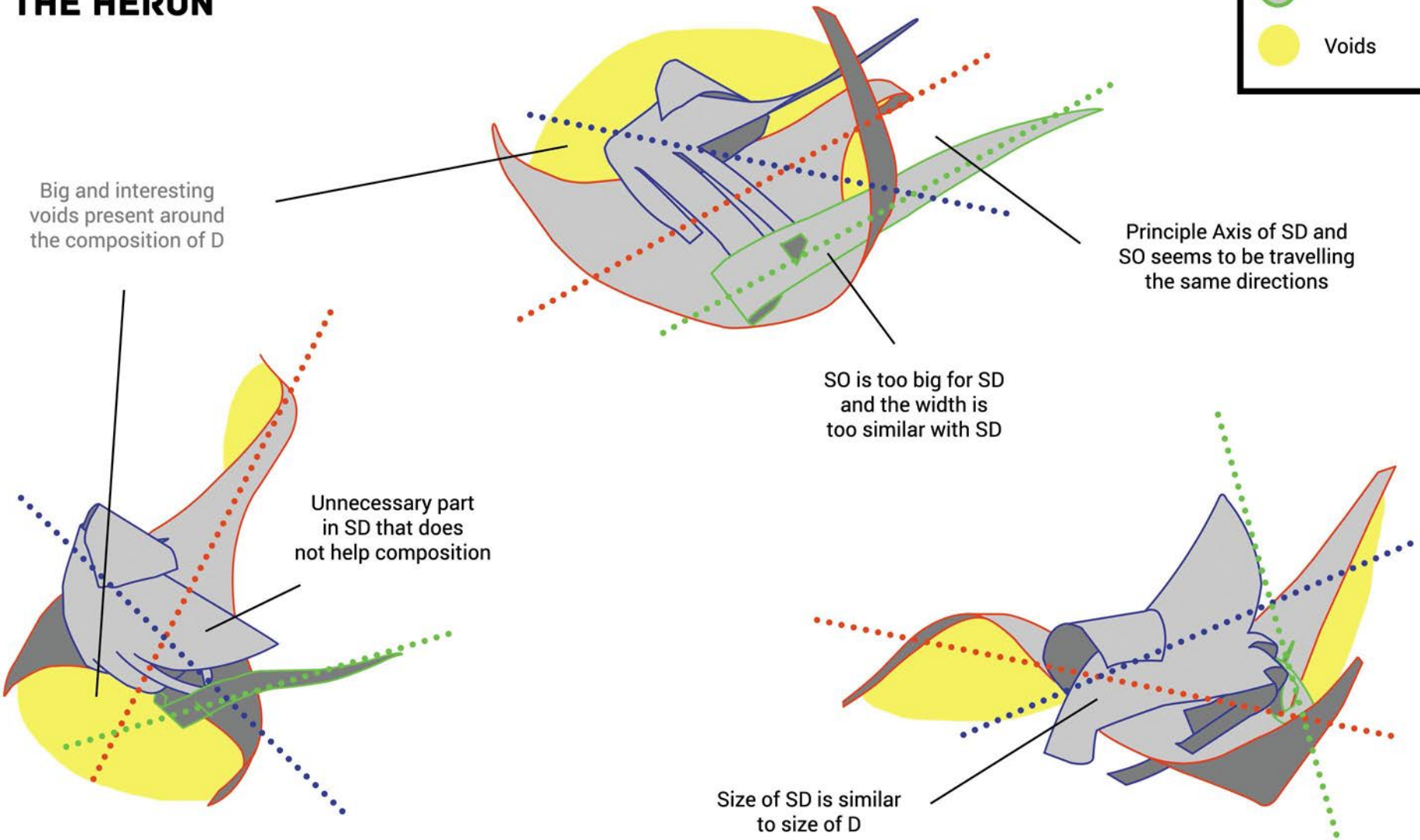
THE SWAN



MODEL 3

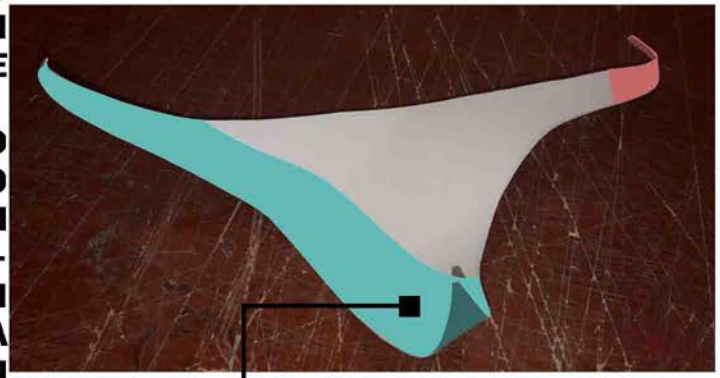
THE HERON





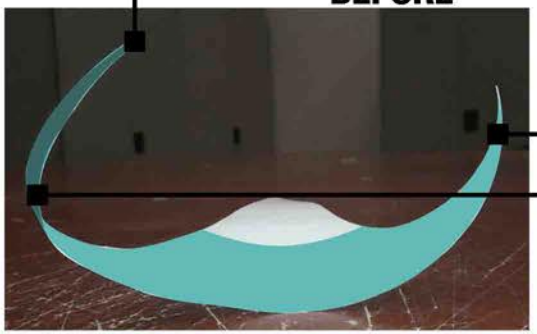
DEVELOPMENT OF THE HERON

THE DOMINANT



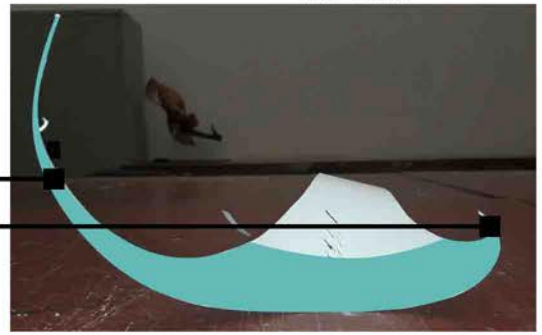
SD and SO have been removed due since they do not improve the model

BEFORE

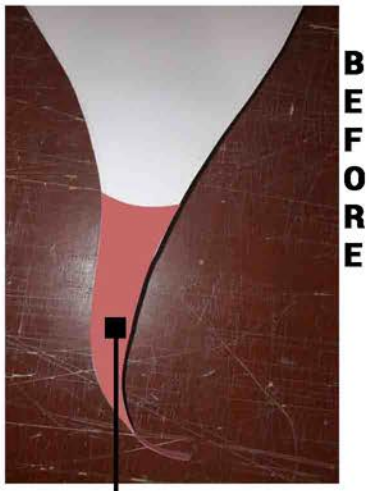


2 strips are too similar in length.

AFTER

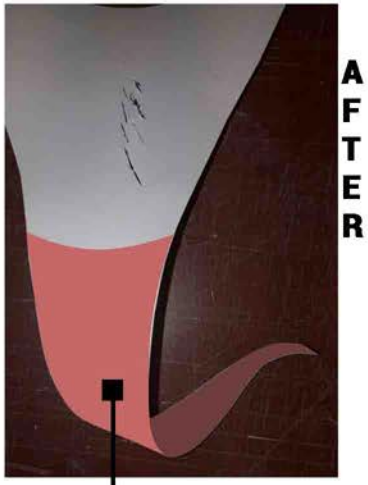


A difference in length create a more interesing effect



BEFORE

Tail of model has too many flat surfaces.

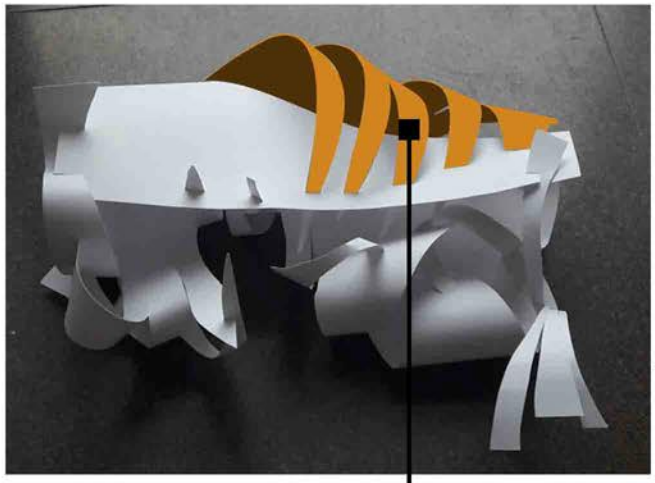


AFTER

A more twisted tail creates a more interesting surgace

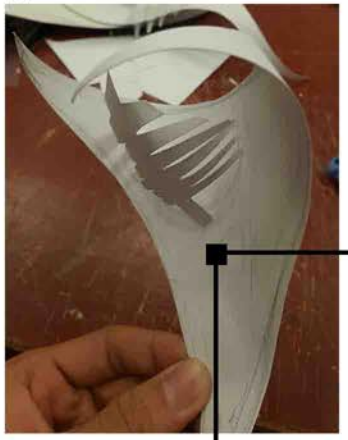
DOMINANT - FINAL

DEVELOPMENT OF THE HERON



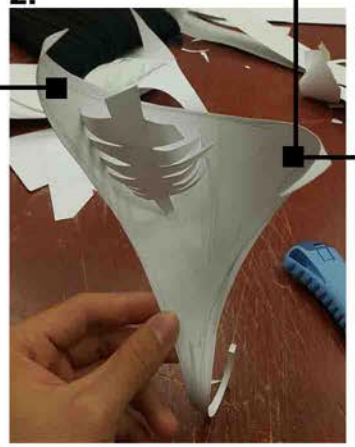
For the SD, we decided to use a part of one of our member's model. The part selected has some resemblance to the WINGS of a HERON.

1.

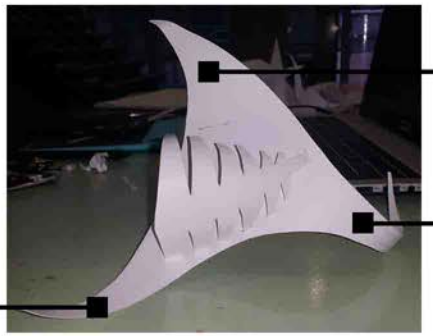


2 different SDs were made and pierced into the D.

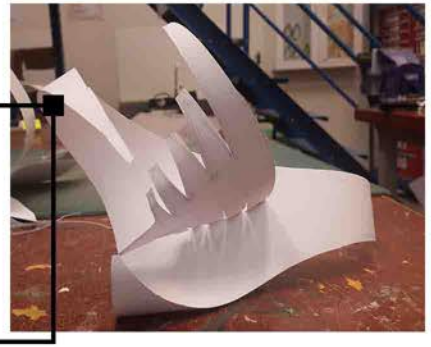
2.



The 2nd SD is selected because of THICKER WINGS.



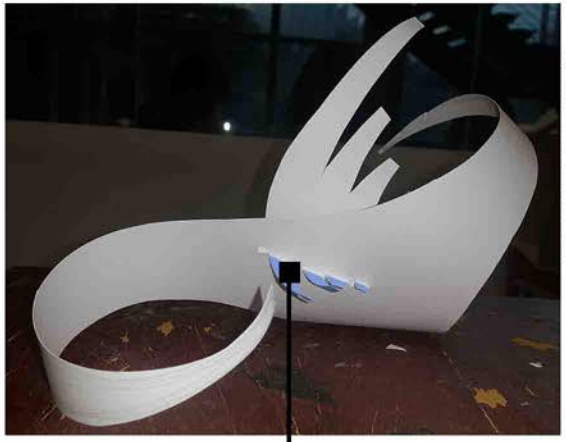
Orientation of model changed to horizontal since more VOIDS were created.



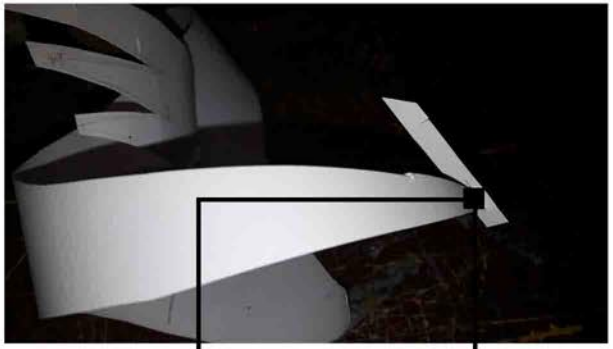
The length of the wings are further varied to increase visual interest.

SUBDOMINANT - FRONT FINAL

DEVELOPMENT OF THE HERON

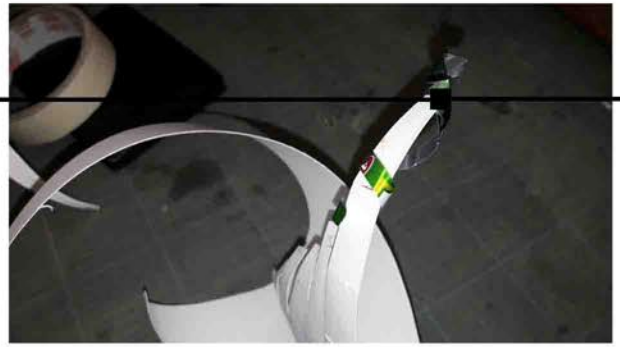


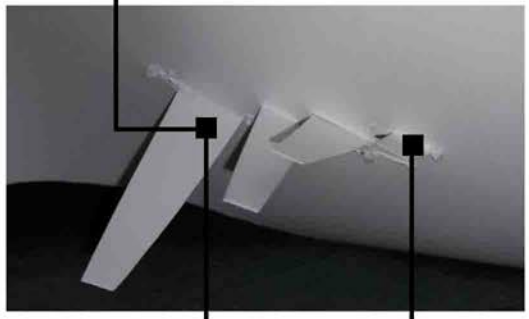
An analysis of the SD planes piercing through the D is done.



SO is moved to another position. The plane is changed from TWISTED PLANE to STRAIGHT AXIS PLANE.

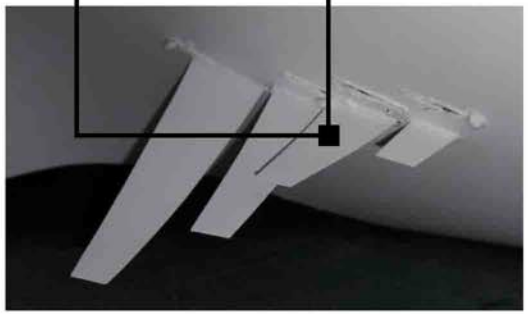
The position of the SO does not allow it to stand out since both the SO and SD are complicated.



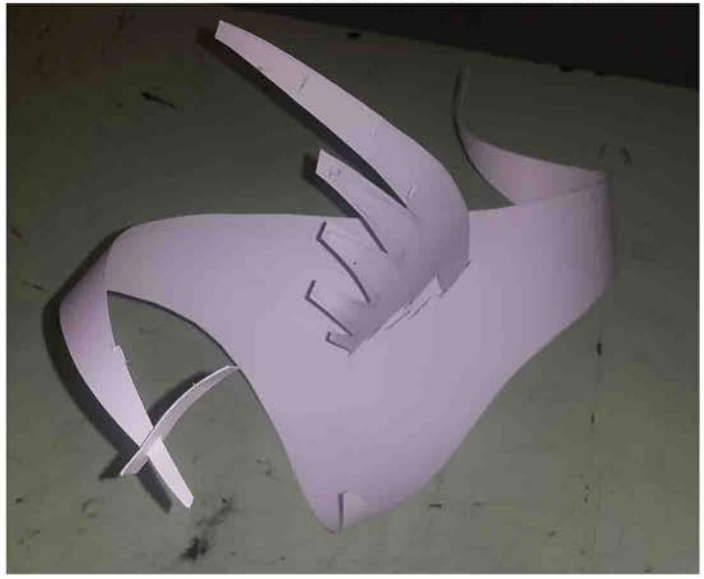


Slits for in D for SD are too close to each other.

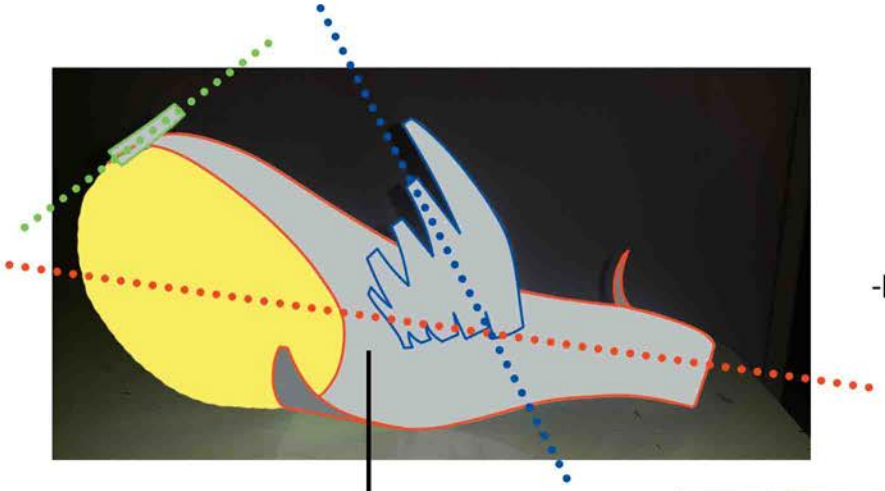
Slits were seperated to give the SD planes a contrast.



MODEL - FINAL



ANALYSIS OF FINAL MODEL

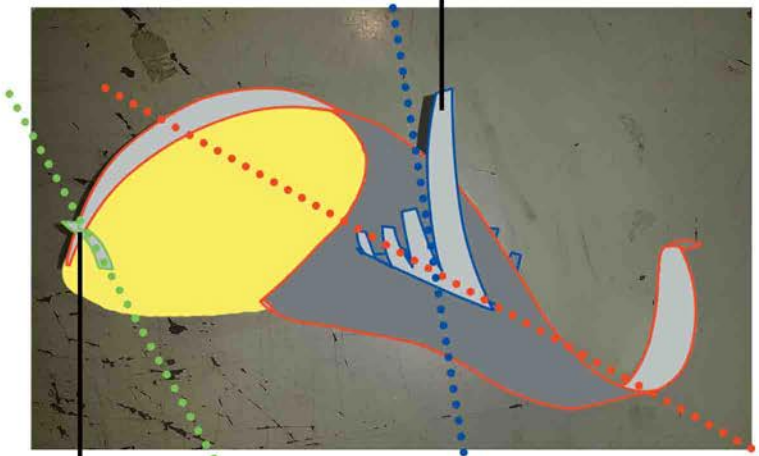


ANALYSIS OF DOMINANT

-3D Twisted Plane
-Makes up most of the model axes
-Pierces through the SUBORDINATE

ANALYSIS OF THE SUBDOMINANT

-3D Curved Plane
-Design of SUBDOMINANT stands out of the other planes since it is unique.
-Occupies 1/3 of the model.
-Pierces through the DOMINANT



ANALYSIS OF SUBDOMINANT

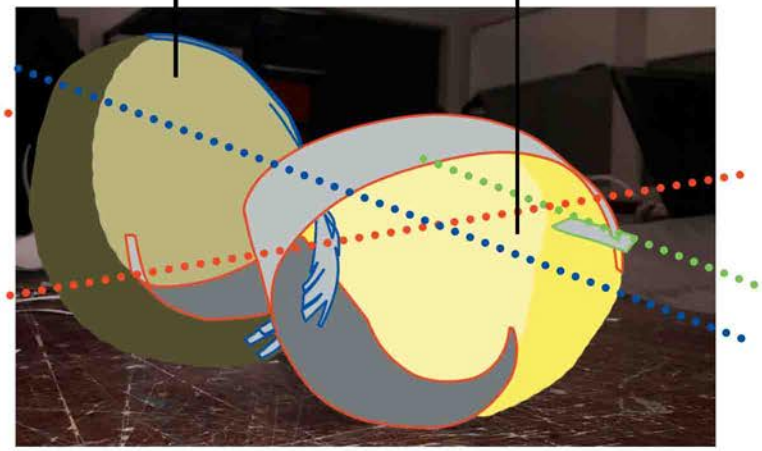
-2D Straight Axis Plane
-Due to simplicity of the plane co-mapred with the other planes, SUB-DOMINANT stands out

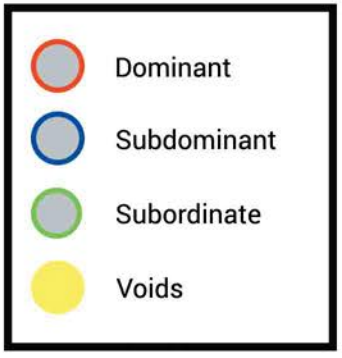
OVERALL ANALYSIS

-Axis is very different from axis of other planes, hence create tension between
-Each plane is of different type, hence creates a good contrast in the model
-Activation of negative spaces by planes further improves the visual interest of the model

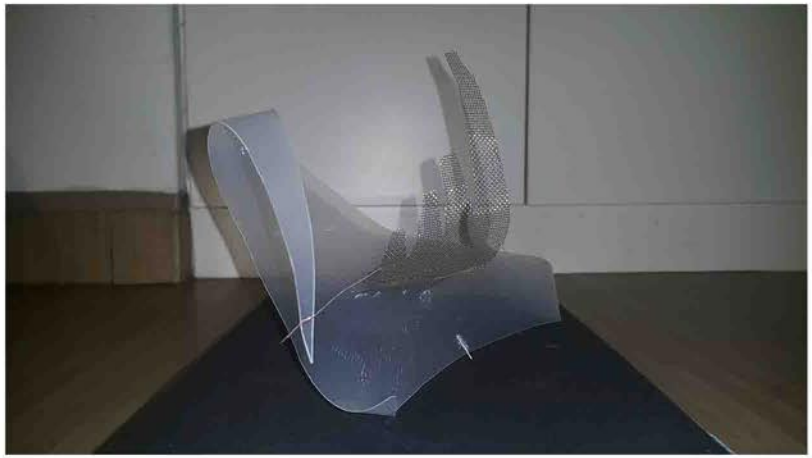
ANALYSIS OF THE VOIDS

- The different colour of yellows represent the voids
-Varying sizes of voids create visual interest in the model



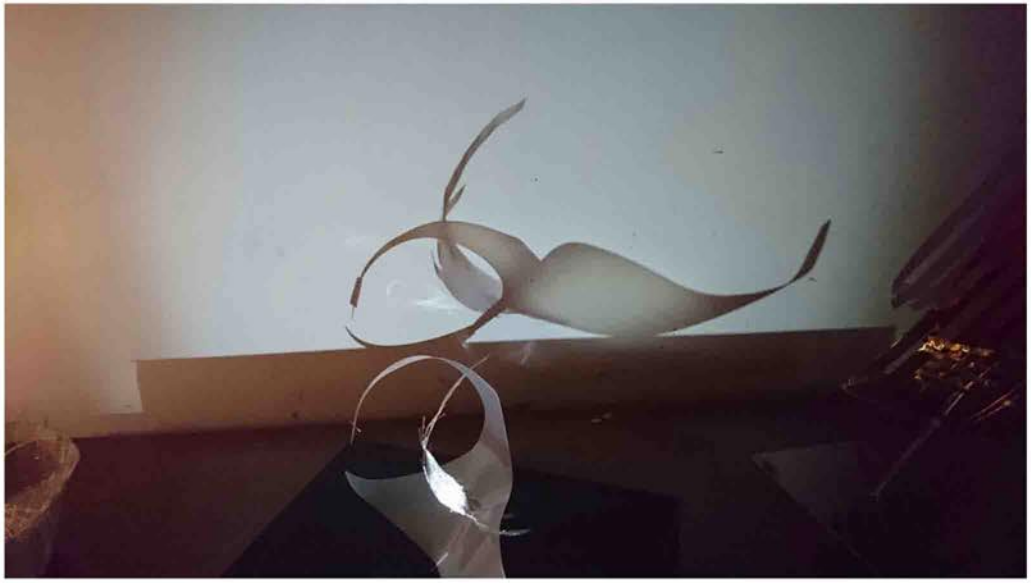


FINAL MODEL MATERIAL APPLCIATION

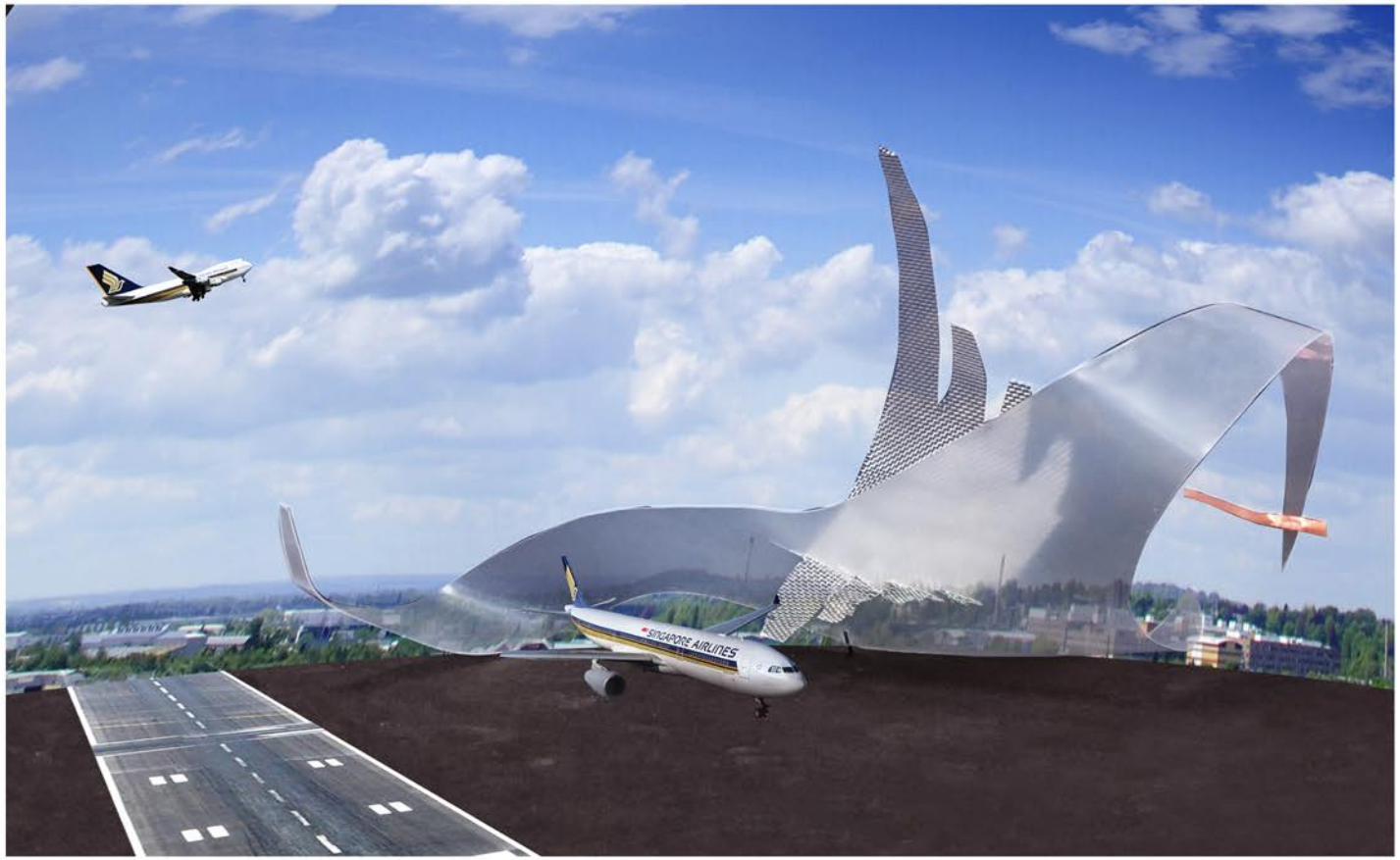


FINAL MODEL MATERIAL APPLCIATION

Photos of the shadows of the model when casted on the shadows have also been taken to show how the model reacts to when light is shone on it.



APPLICATION



APPLICATION 1

For the large scale application, we thought of using our model as an airport. Afterall, our model looks like a bird and an airport is related to flying.

APPLICATION

APPLICATION 2

For the medium scale applicaion, we thought of a tap for refilling water bottles at Jurong Bird Park. The D is the tap while the SD works as a handle to open the tap. The SO is a safety lock before the user is able to use the hot water.

APPLICATION

APPLICATION 3

For the small scale applicaion, we thought of a fancy bottle holder. The SD supports the bottle while the D curves around it and the SO is used as a lock to secure the bottle.