

Design Exploration , IDS 30105

Project 2, (Plastic sculpture)

Sketches and idea development

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Student ID: 0345559

Selected Bird name: "Rooster 😊"

Short description of Project 2

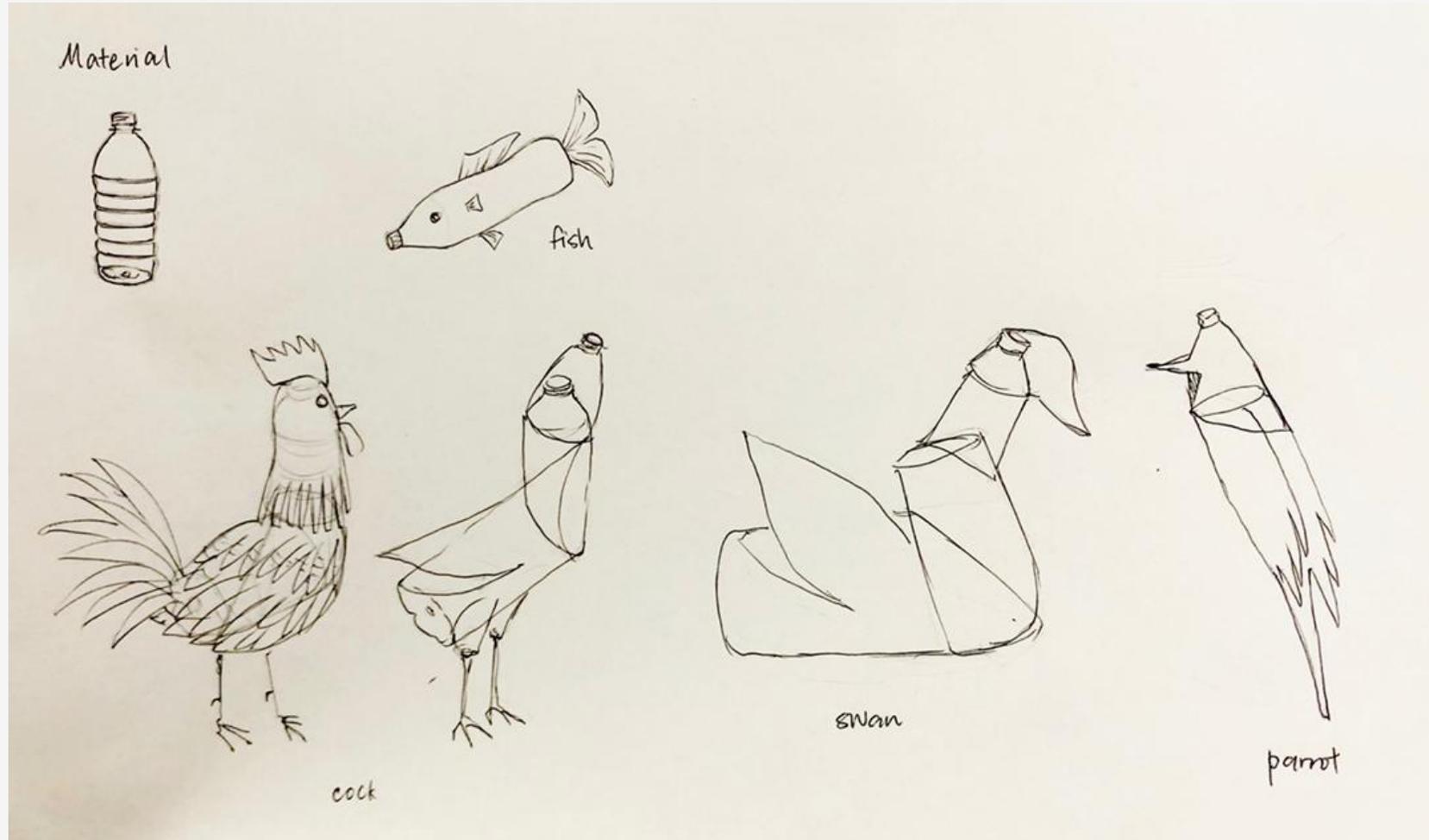
I choose rooster because I am attracted by its feathers' shape and arrangement. I find it interesting to work on the layering of feathers and explore the methods to bend the tail feathers. I also like its eye-catching features, the red comb and wattles which are easy to recognize from a distance. According to traditional Chinese zodiac analysis, rooster is the representative of confidence and intelligence. I do not plan to make it too colorful because I want to highlight its comb, wattles and beak which cannot be found on other animals.

Insert chosen animal view:



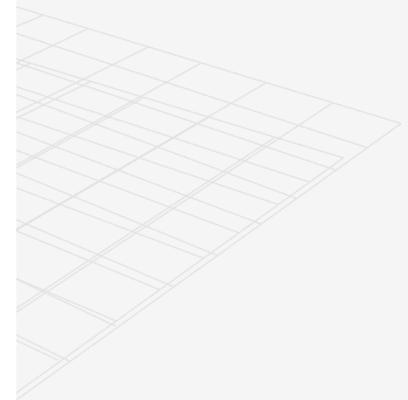
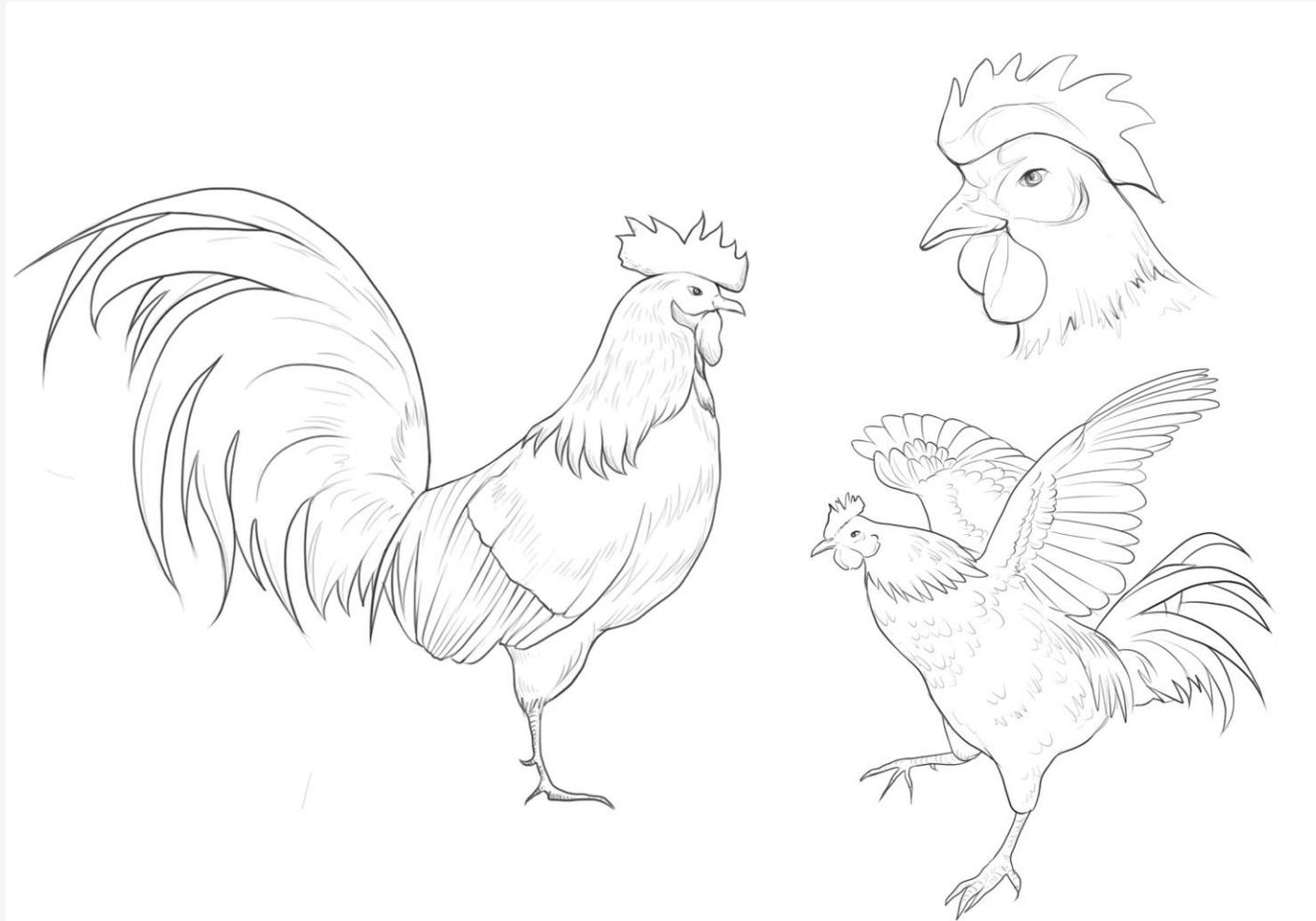
Initial sketches idea development: bird anatomy (Skeleton)

Insert initial sketches anatomical studies, 2 or more views



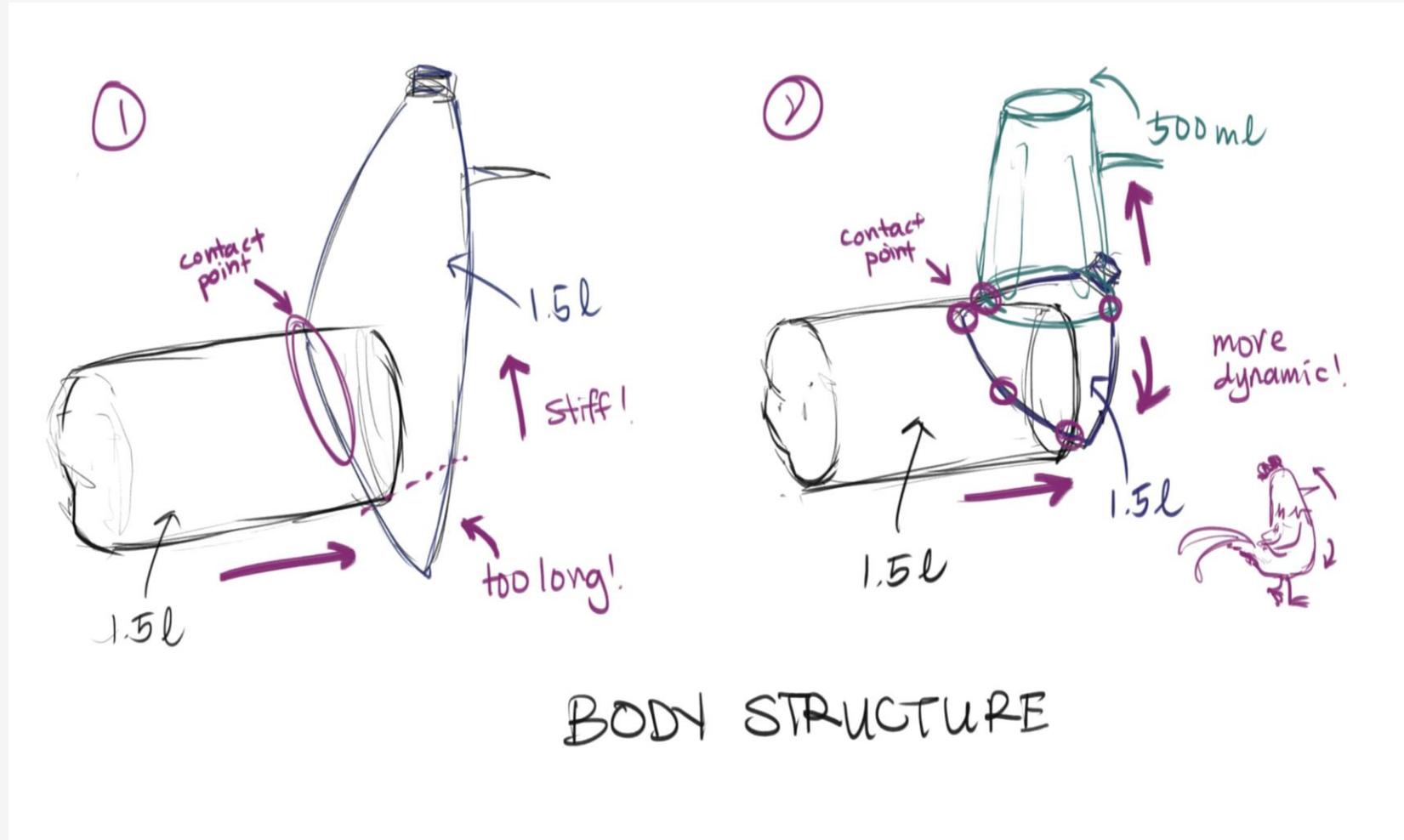
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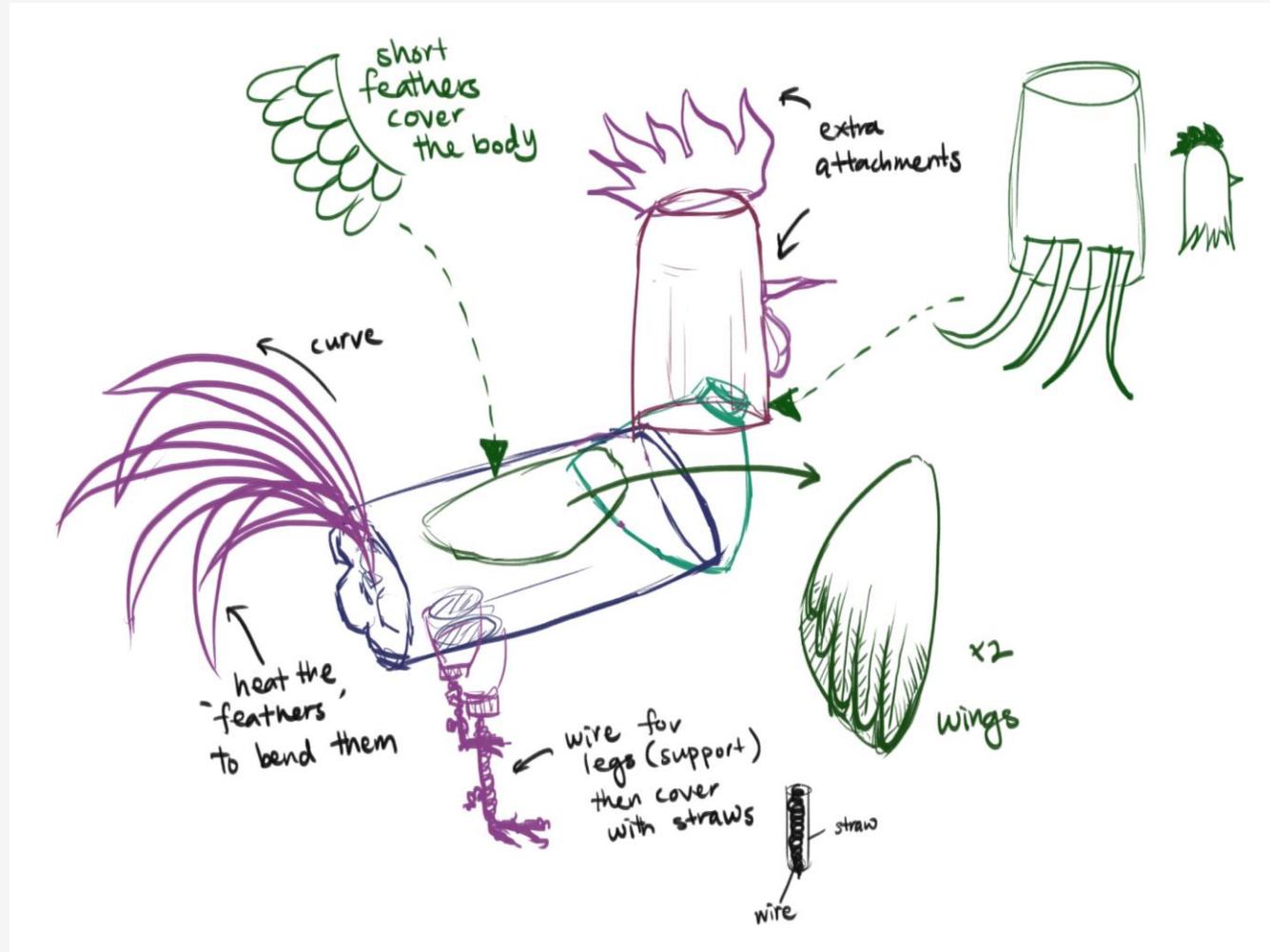
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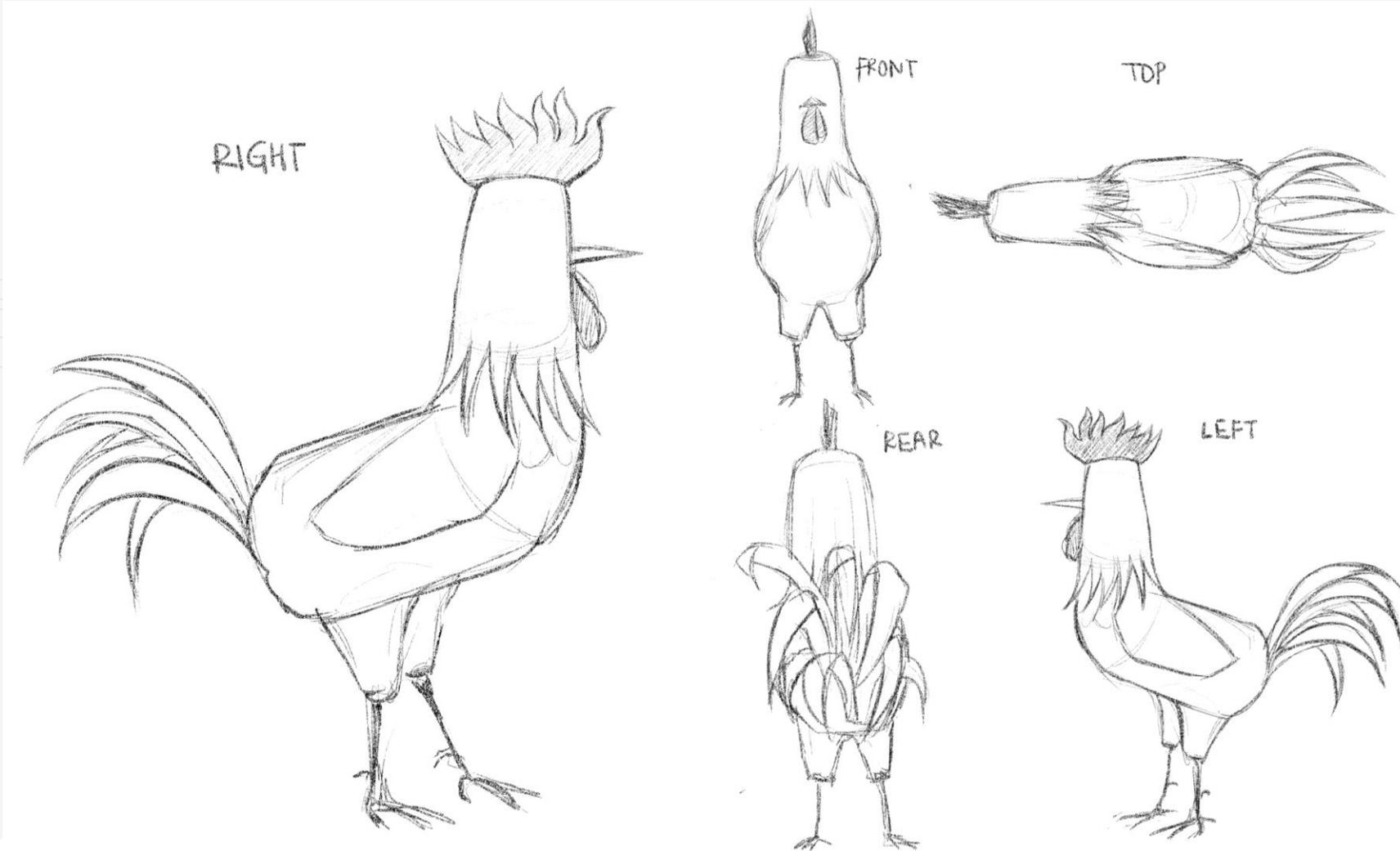
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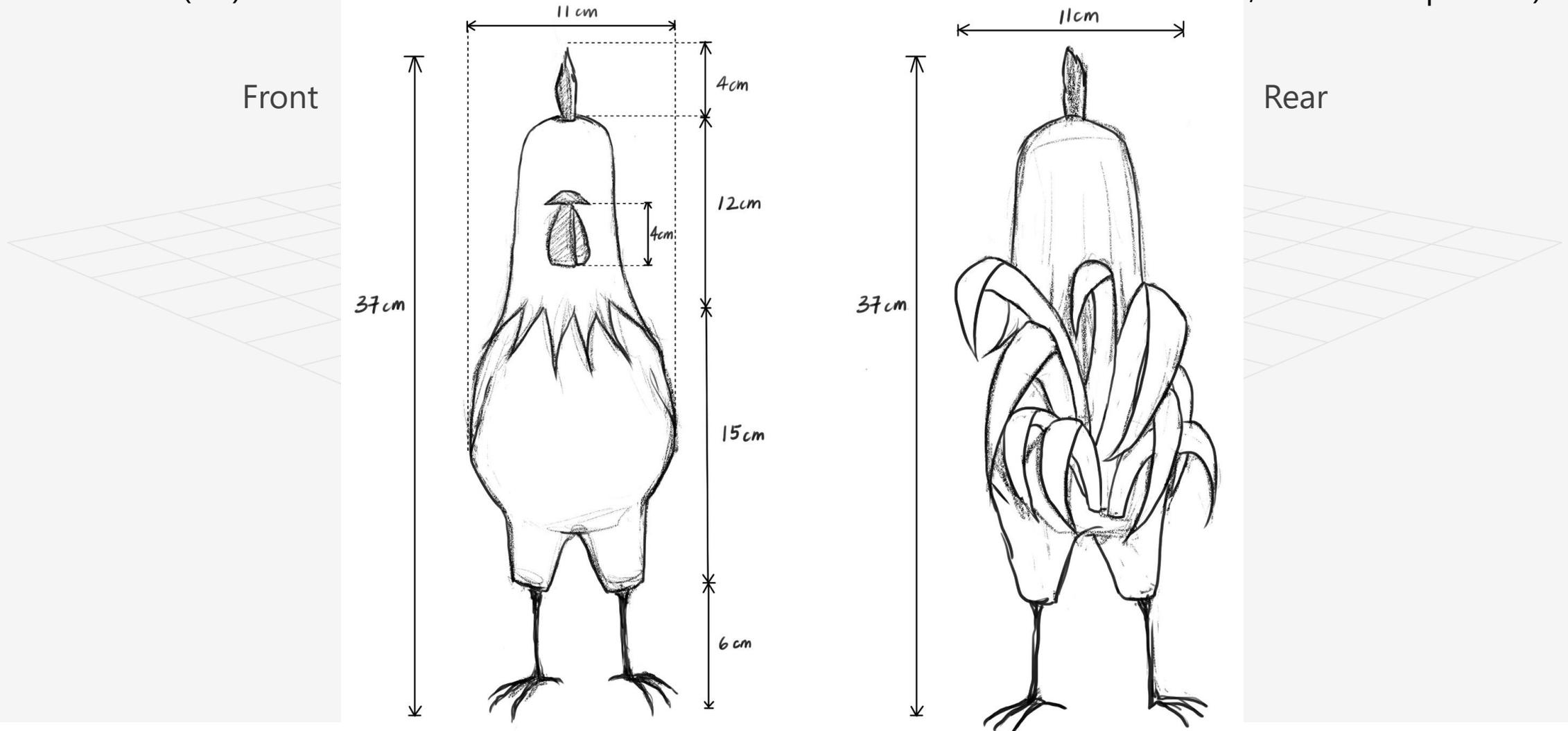
Initial sketches idea development (Bird pose)

Insert initial flat sketches, different angles 5 views (Front, side L & R , rear and top views)



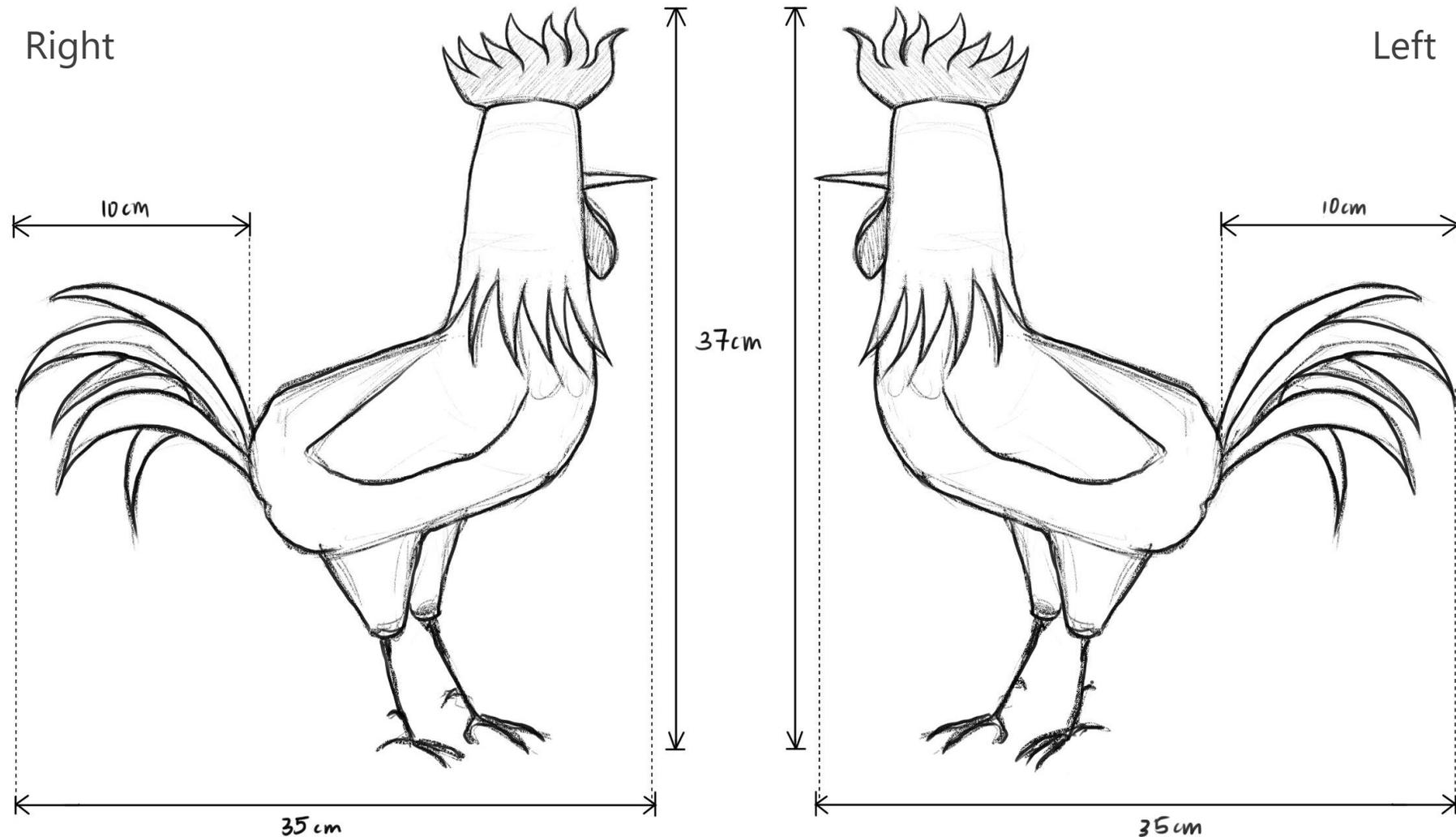
Initial sketches idea development (Bird pose with measurements)

Insert initial (2D) sketches with different angles and **measurements** (Front, side L & R, rear and top views)



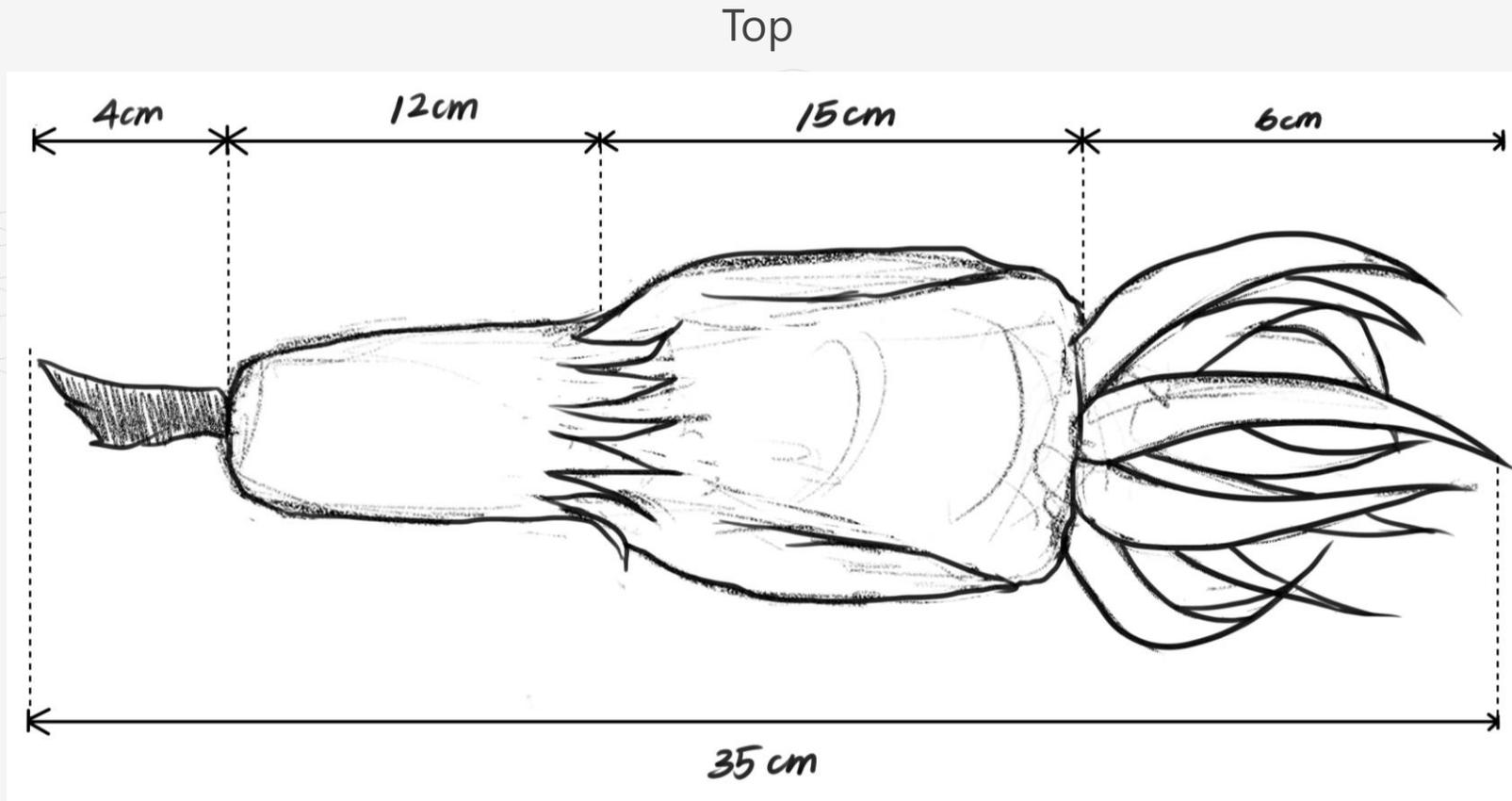
Initial sketches idea development (Bird pose with measurements)

Insert initial (2D) sketches with different angles and **measurements** (Front, side L & R , rear and top views)



Initial sketches idea development (Bird pose with measurements)

Insert initial (2D) sketches with different angles and **measurements** (Front, side L & R , rear and top views)



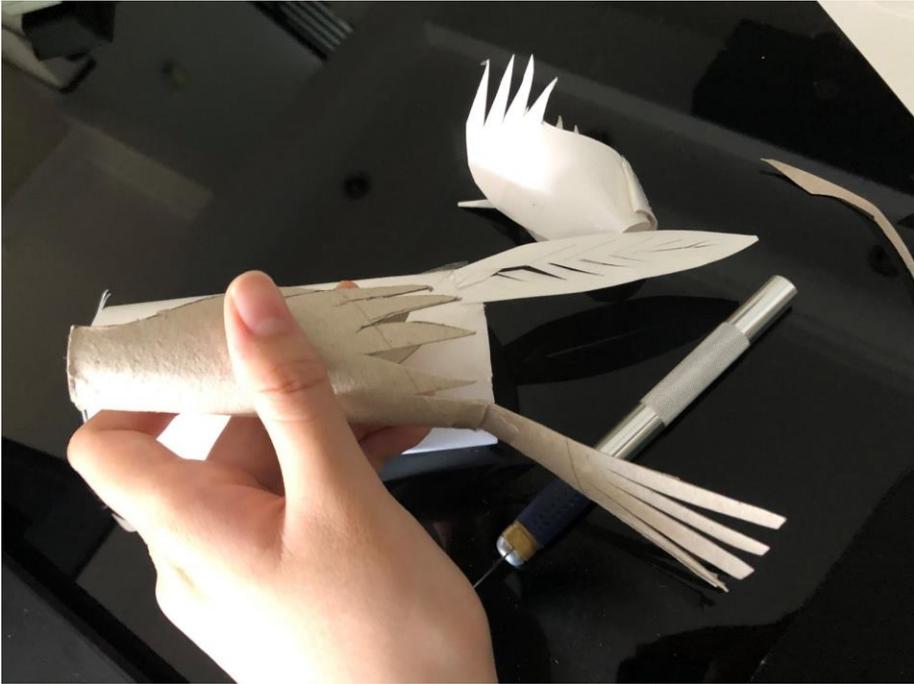
View development : $\frac{3}{4}$ angle view

Insert initial picture of the $\frac{3}{4}$ view sketch with different angle (2 or more view)

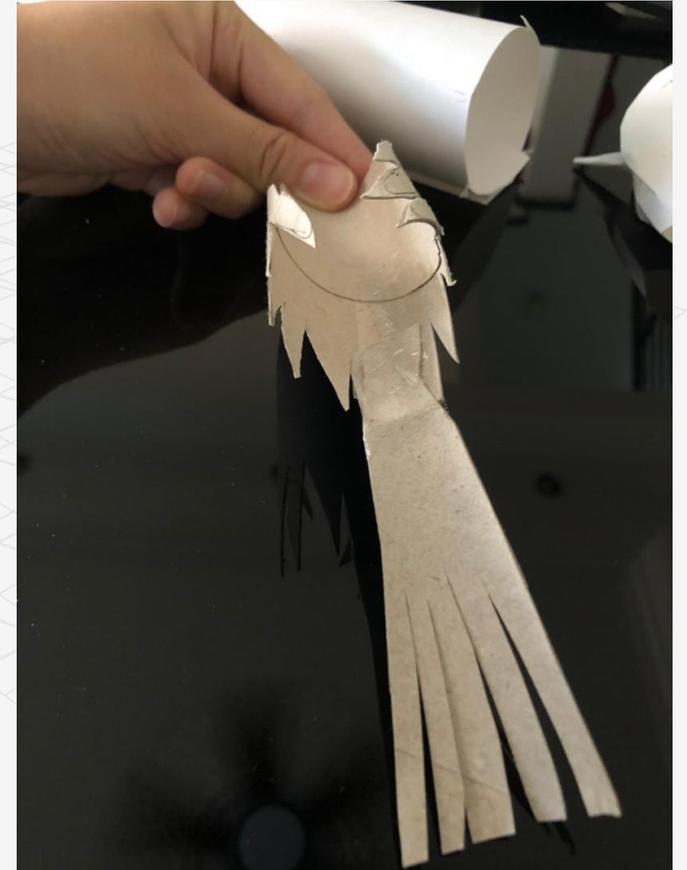


Idea development, (Photo progress)

Insert visuals (2-4 pcs) taken during the process of making the plastic form (organic)



I used toilet paper roll to test out the forms of a parrot as an initial experiment.



Idea development, (Photo progress)

Insert visuals (2-4 pcs) taken during the process of making



I used two 1.5litre plastic bottle to form the body structure, but I realized that the posture is too stiff. Therefore, I changed the forms by using one 1.5litre plastic bottle (Lower part as body, Upper part as chest) and one 500ml plastic bottle (as the head)*[Refer to Slides No.5](#)*. Here I also showed the methods of forming the rooster's legs and wings.

Idea development, (Photo progress)

Insert visuals (2-4 pcs) taken during the process of making



Position of the red comb and wattles.



Heating of feathers to give it a curve shape.



Layering of feathers on the rooster's body.

Idea development, (Photo progress)

Insert visuals (2-4 pcs) taken during the process of making

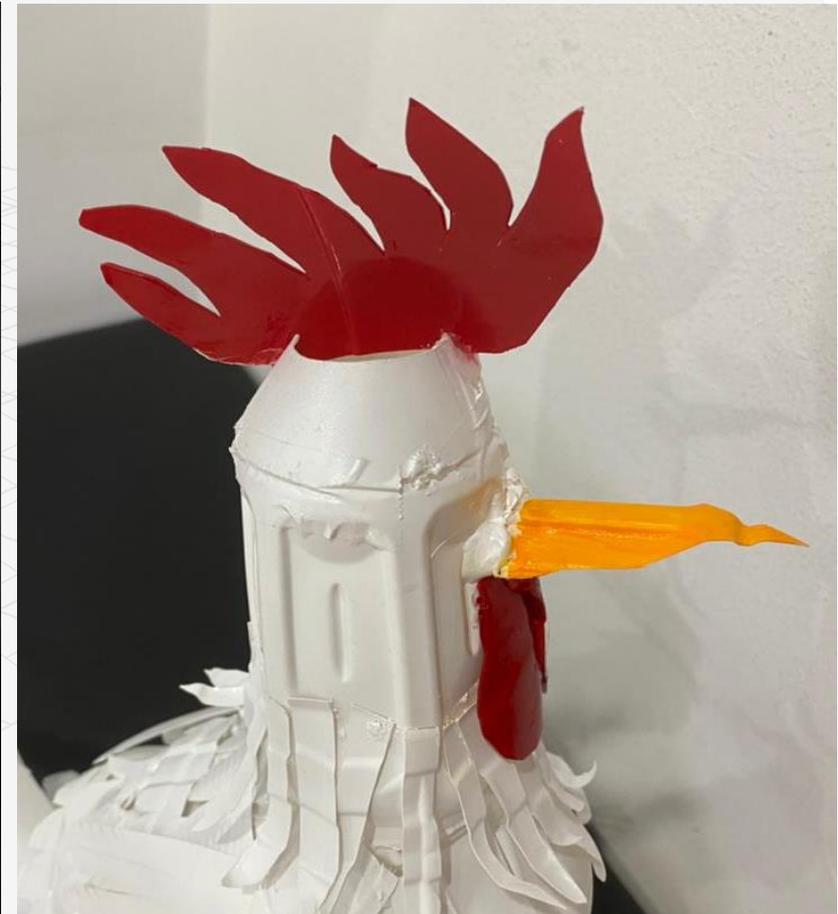
Before color spraying



Idea development, (Photo progress)

Insert visuals (2-4 pcs) taken during the process of making

After color spraying



Idea development, (Photo progress)

Insert visuals (2-4 pcs) taken during the process of making



Final Outcome

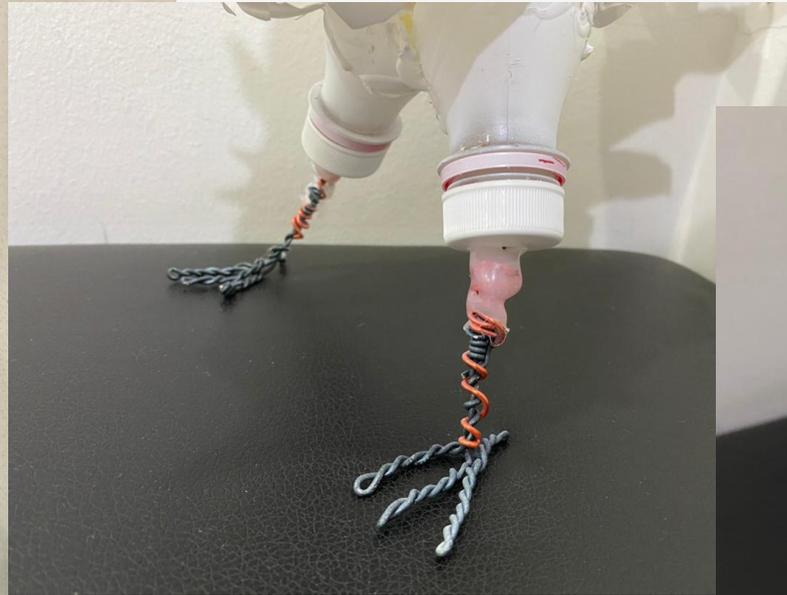
Idea development, (Photo progress)

Insert visuals (2-4 pcs) taken during the process of making



Idea development, (Photo progress)

Insert visuals (2-4 pcs) taken during the process of making



Idea development, (Photo progress)

Insert visuals (2-4 pcs) taken during the process of making



Idea development, (Photo progress)

Insert visuals (2-4 pcs) taken during the process of making

Reflection

This project is very different compared to the previous project (Project 1), in terms of materials and method of handling it. I have planned more than I expected before working on the plastic bottle because I had to consider on the limitation of the material. As a whole, plastic bottle is harder to bend into my desire shape, so my solution is to break it down into parts and stick them using hot glue gun. I also found that there are different textures and curve angle on different type of plastic bottles, which I combined them to form different body parts of a rooster. I like to experiment on the arrangement to see the different end results. From this project, I explored some methods to cut, join, bend, overlap, twist and paint the plastic bottles, and completed a rooster sculpture.

Idea development (Video)

Insert short video or the google drive link to view the video.

