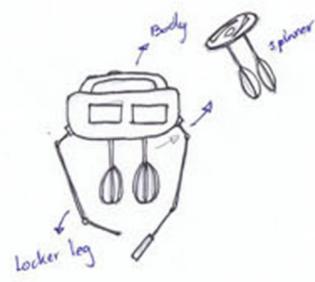


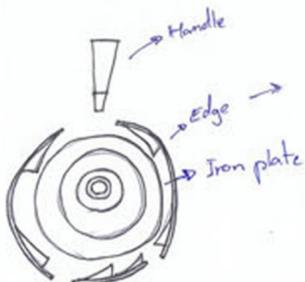
Concept {Design ideas}

RESEARCH



Many mixers has base on its but it is not suitable for carrying. This machine got shaky when using it so I decide to make it hand-using so you have to control by yourself but I did put locked for locking container.

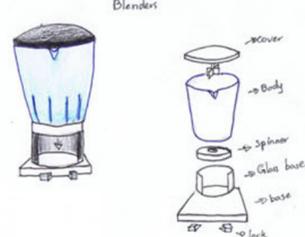
Bad things about this machine is not durable body with hand-work machine. Locking leg could't easily to break if it is too thick but if I make it too thin it would be too big. If I make it too small for the body it is hard to put more function for its abilities.



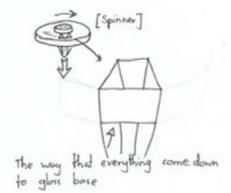
This pan is like a puzzle with you can change their composition. You can make it bigger or smaller size. But It has no electrical or mechanic system on it.



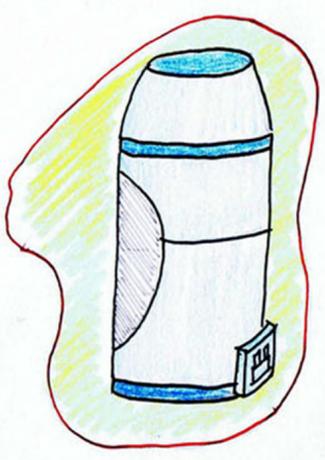
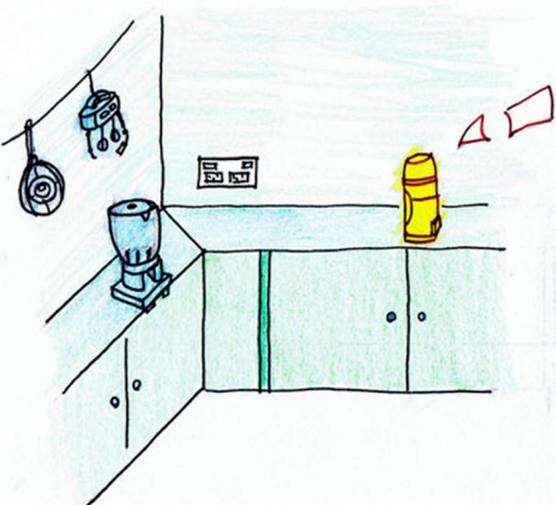
In this concept I put some electrical for this thermos at the base. It's working as a hot iron to keep this thermos hot temperature longer than normal thermos. I put battery and charger for system that can make iron in the middle heat up. For design I design as a normal thermos because a normal style still suitable for user. Material I could use still be the same like aluminium, plastic and good insulator. It is kind of thermos mixed with vacuum bottle. You can use it for boiling water or keep temperature inside the bottle stay longer.



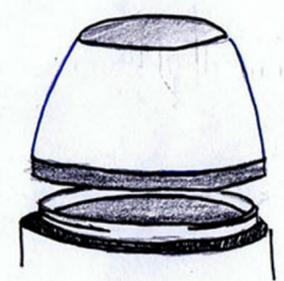
In this one is a normal blenders but I put more function on it. Put a glass base that easy to use underneath spinner and another function is lock under the base that solve the problem of shaking when using this machine.



Design Development

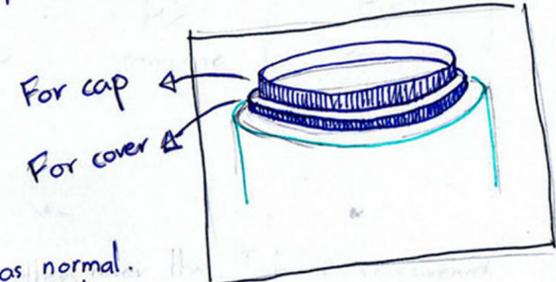


1

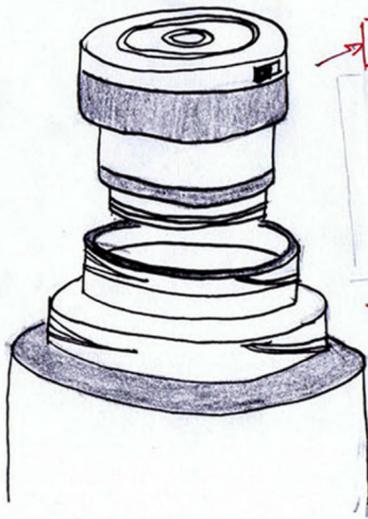
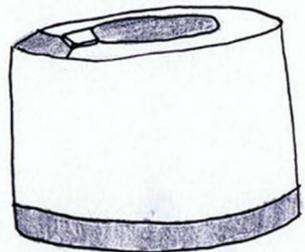


For cover design I use it as a cup as normal. Material for cup are plastic and stainless steel or aluminium. It's up to the body that which materials I'm going to use.

At the neck of my bottle I need to put 2 rounds for lock the cap and cover like in the picture



Cover or cup This is a normal cup that use as a cover or cup. For material it usually be plastic in side and at the edge and outer surface is aluminium or stainless to make it shiny and easy to clean up. I have an idea that I am going to put some mechanism system that you don't need to take this cup of when you want to get some drink. This system will appear in page 3 of my Design Development.

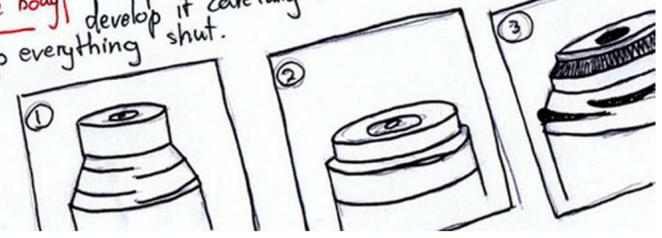


cap or insulated cap

For insulated cap I use a normal one with you have to push it to make it open. As I researched and used this cap it is working very well so I will skip it to other part.

Neck of the body

This part bit is an importance part that I will develop it carefully because it is the part that keep everything shut.



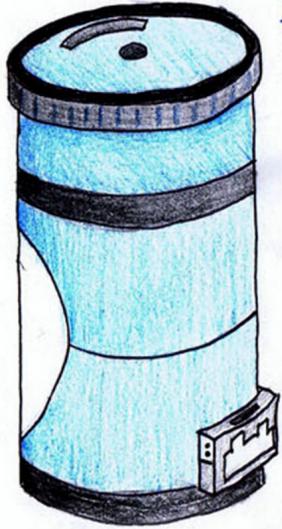
For first start of my design development, I chose to develop the electric thermos which is one of my four ideas. I want to make this kitchenware more useful with put more mechanical system that not too complicate for me to design and make the design of thermos looks pretty. With the first design steps I used normal shape of bottle to start but I will design it more and more. Make it look pretty more suitable and useful. Modern style is the main point of my design as well.

Design Development

Rendering

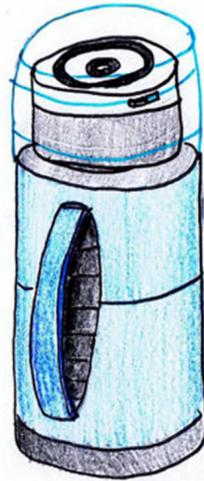
Body Design n. ~~sketching~~

From the other page of Design Development this design is the first from all part together



for me this design is fulfil every design and my idea but it is looks pretty ugly so with this page I will change all most every but still keep it functional.

2

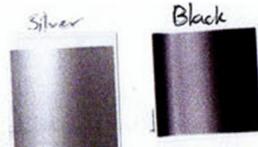


For body they are only two main parts which are body and holder.

For safety inside holder I leave space like in my drawing. I put cushion to protect user's hand from touching body part that may hot.

Final I detected to not put window in it because it may cause damage through my window and break the whole body by heat. It is a lot safter to put all stainless over the body. At least they are 2 or 3 coat inside the bottle that to keep temperature constant and to keep heat from users.

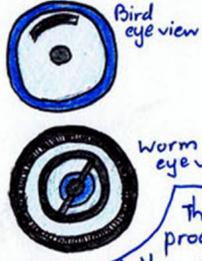
Normal thermos doesn't has many colour on it. It usually black, silver grey or blue but with colour apart from black, silver and grey are not coming as their much pattern colour.



But now technology has change we can put more colour in like orange green purple or yellow on surface like stainless or silvery..



The process of painting colour on aluminium we called 'Anodized aluminium' it will increase corrosion resistance, to increase hardness and to allow dyeing.



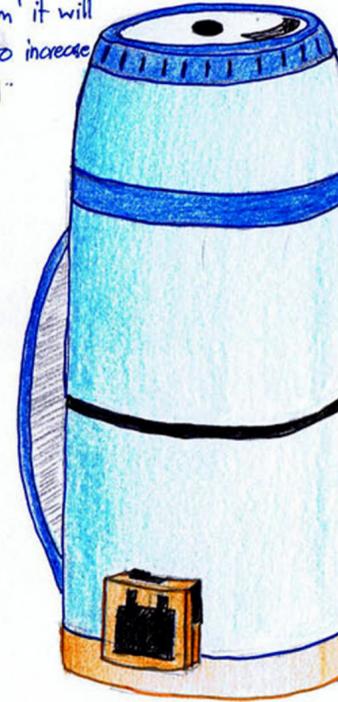
This is kind of process inside of this special cup that I explained in the other page

This part probably a bit thick because I have to put battery and plug which is big.

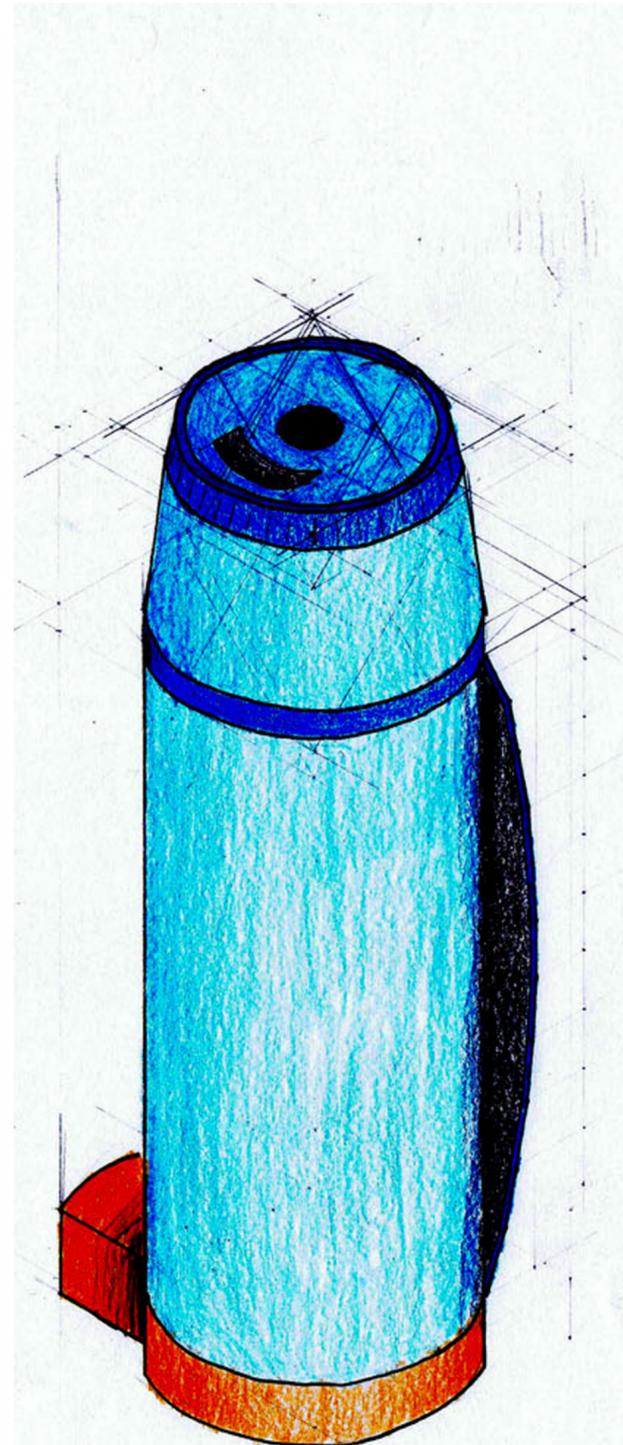


For this part it need to be followed the curve of the base and the body because it will fit only when it is the same shape.

3



From every design I had developed it coming up like this drawing. Cup will take the edge at the top made it looks please to our eyes. Handle that attach to body and cover with cushion inside look modern. With colour I used dark blue, blue, black and orange to fill it. It is normal colour when it looks shiny with the surface it will look better than this drawing. Orange base looks very contrast to the body but looks like a style that can go together.



This is my new design up from the first design it is look like a machine but this one I put curve just a little bit to not effect to space inside the cup. I took the edge at the top out I think it still easy to use if take it out because material I used is very sticky to our hands and not sliperly and easy to clean up without smell after clean it.