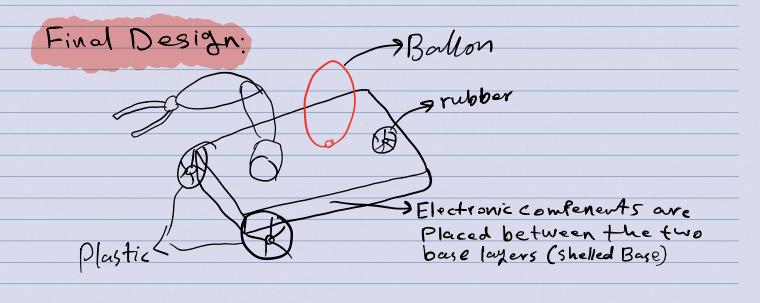
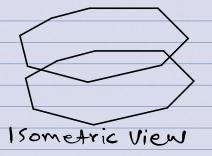
#1 Shelled Base Design: Isometric View Front View Upper view

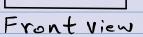
MorPhological Analysis:

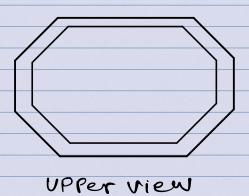
Main component	Type, number, material
Motor	servo motor
Wheels	normal, 3 wheels, 2 Plastic and I rubber
Base	rectangle, wood
Mounting motor screws	Regular screws



Octagion Shelled Base:

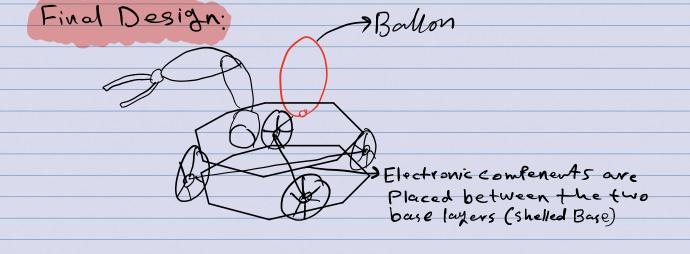






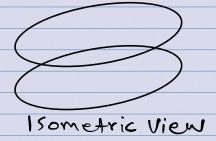
MorPhological Analysis:

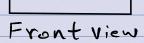
Main component	Type, number, material
Motor	Brushlessmotor
Wheels	normal, 4 wheels, ay of them are Plantic
Base	octagonal, wood
Mounting motors crews	Regular screws
<i>d</i>	

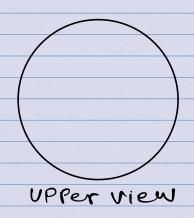


* The reason I chose this design is because:
1- the robot can move 360° degrees freely 2- The electric components will be placed between the two octagen layers. 3- Itaving a brushless motor Provides enough torque to the robot to move smoothly

Circle Shelled Base:

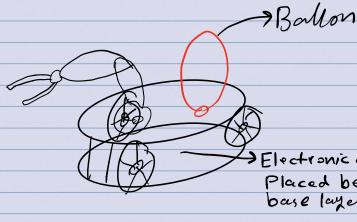






MorPhological Analysis:

Main componen	Type, number, material
Motor	DC motor
Wheels	normal, 3 wheels, ay of them are Plantic
Base	circular, wood
mounting motor scre	
1,0000001	16 03000000



Placed between the two base layers (shelled Base)