Alarm bot

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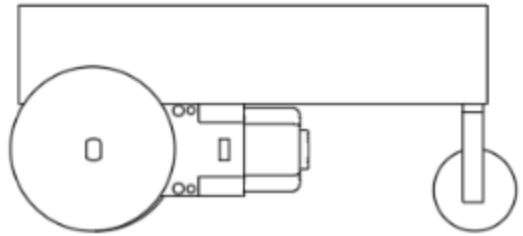
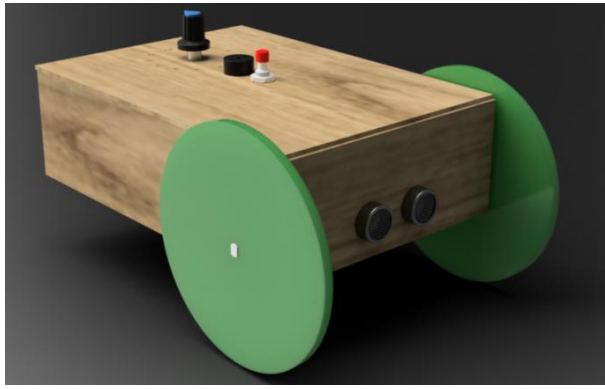
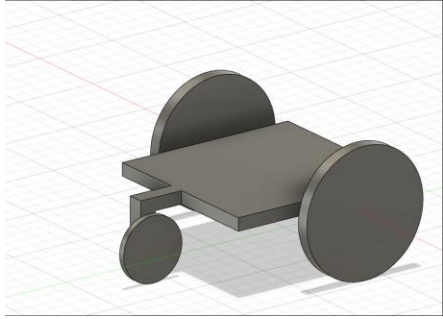
Beginning

- First, we decided to make a car that avoids obstacles, runs away from you and has an alarm clock built into it.
- We chose to use one back wheel and two DC-motor powered front wheels for the car.
- We will have an ultrasonic sensor to detect obstacles.

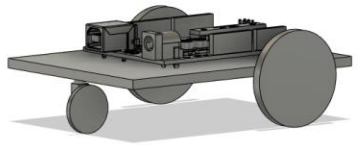




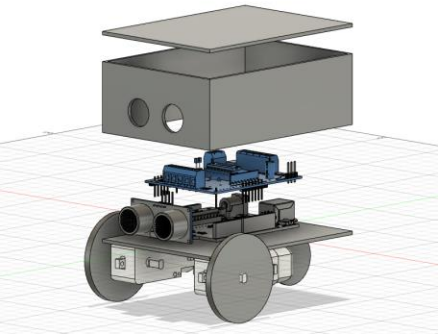
Modelling



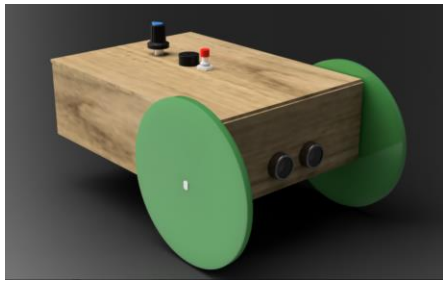
- We figured the best way to start would be making our 3d-model.



- We decided to use Arduino UNO for our project.
- Because of the DC-motors we will need an Arduino shield.

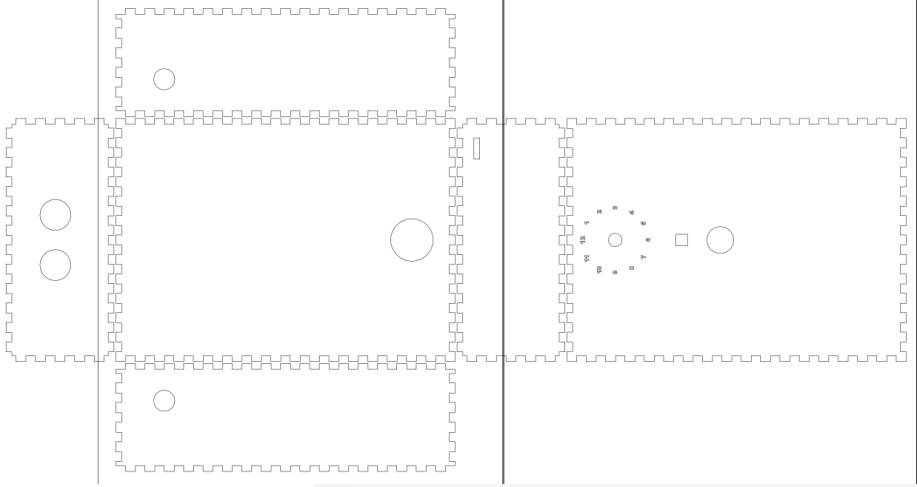


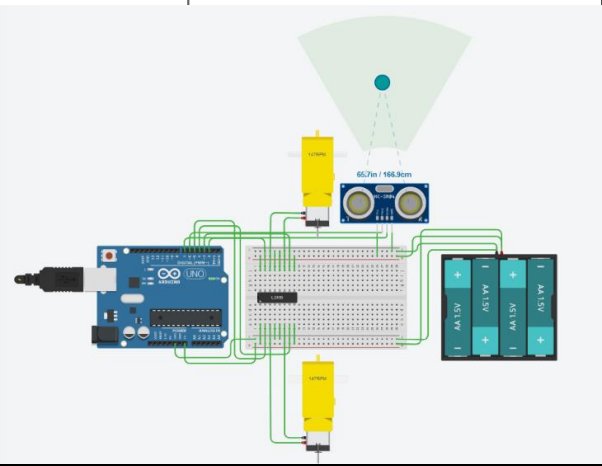
- DC-motors and ultrasonic sensors will be inside the box to make it look better, and for practical reasons.
- There will be a buzzer and a potentiometer on top for the alarm.

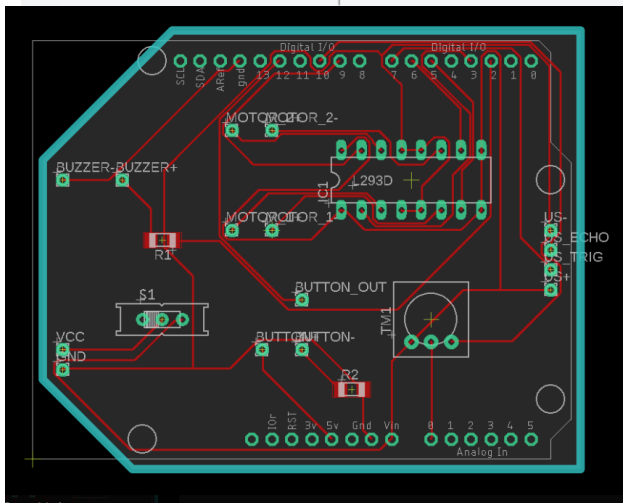


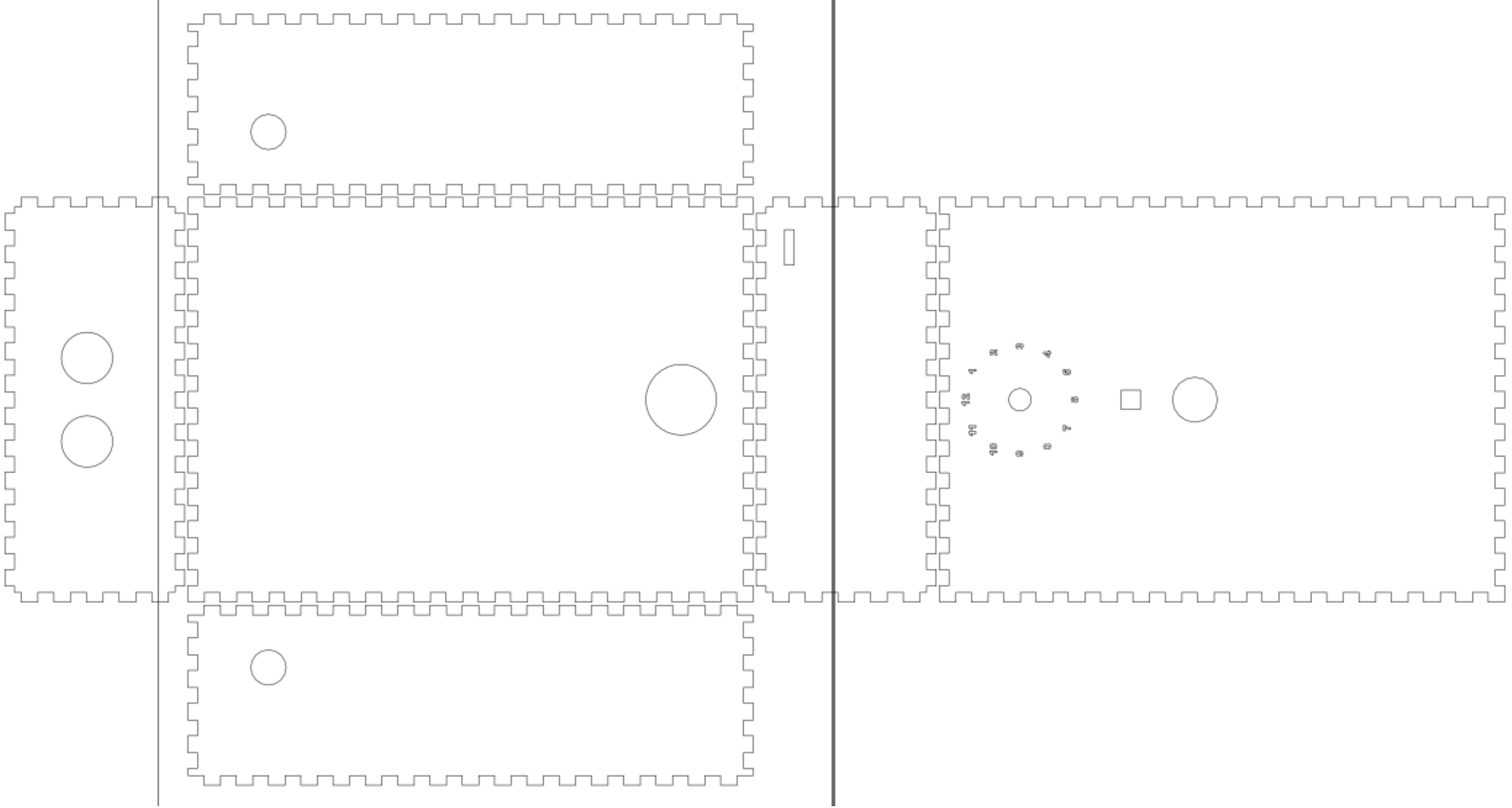
Modelling

- Our whole project is built into a box, so making that was our next step.
- After that we started our interactive model in Tinkercad.
- We decided to make a circuit, which would work as an Arduino shield.





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Finishing

- The finished 3d-model
- Inkscape model
- Tinkercad model
- Circuit