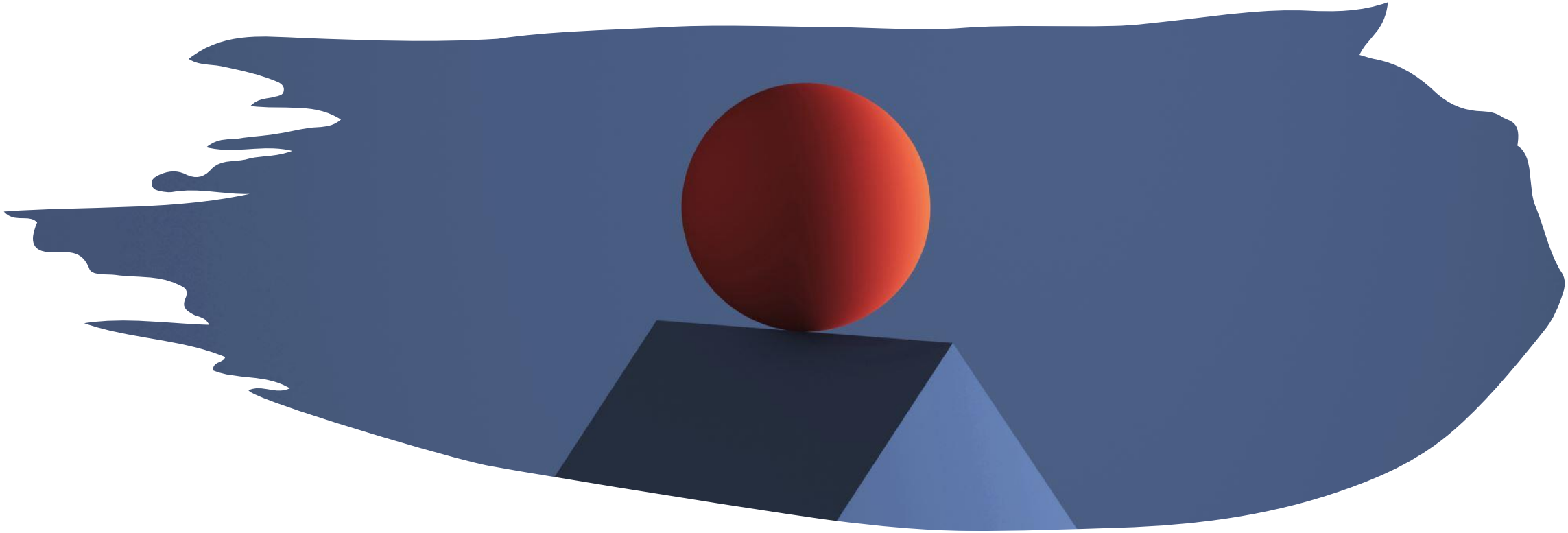
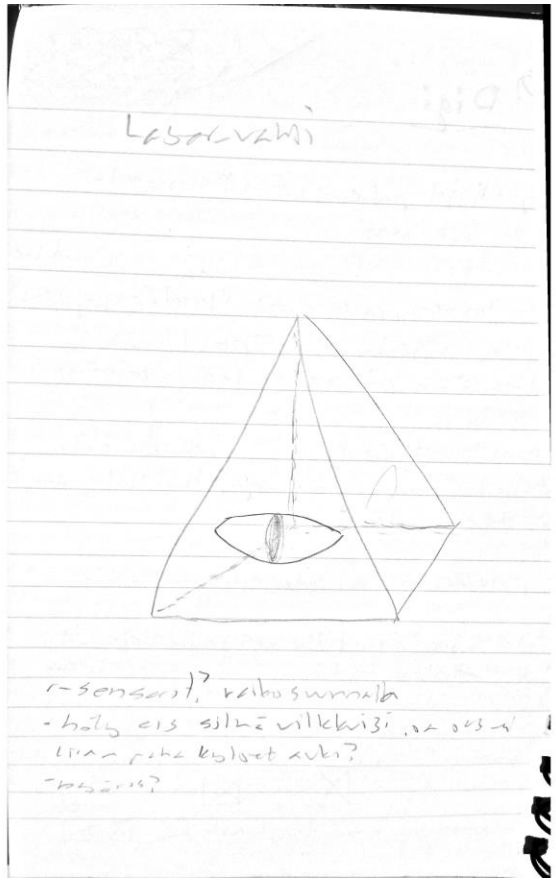
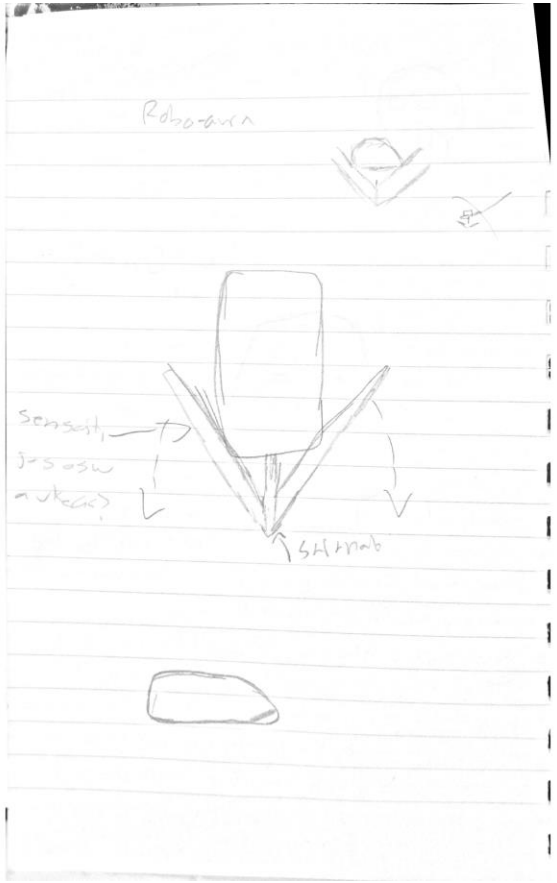


Sweeper Keeper

First and second week

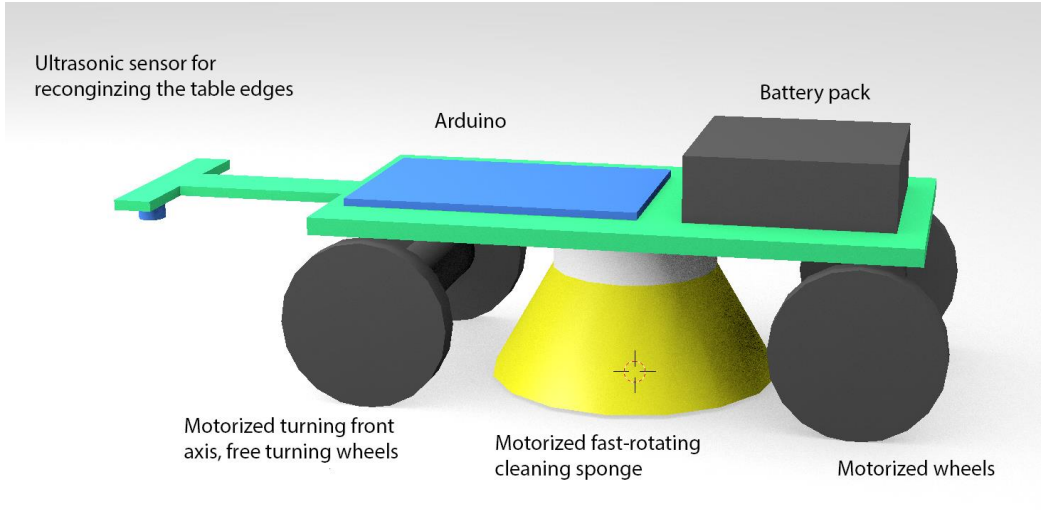
- At the beginning we had plenty of ideas, from which we selected two for sketching:
- Laser Guard
- Table sweeping machine

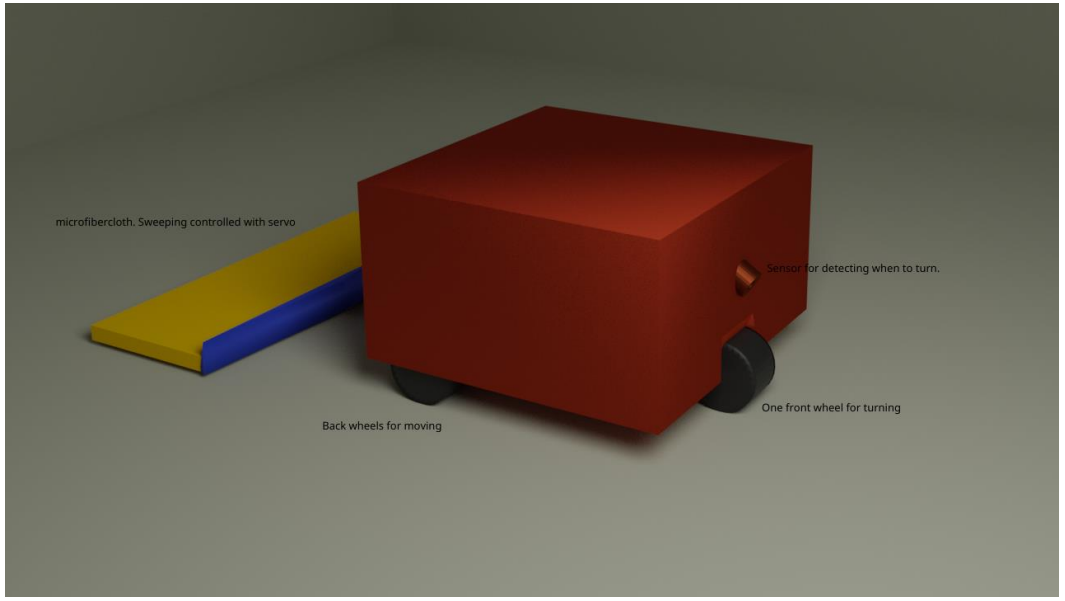




Third week

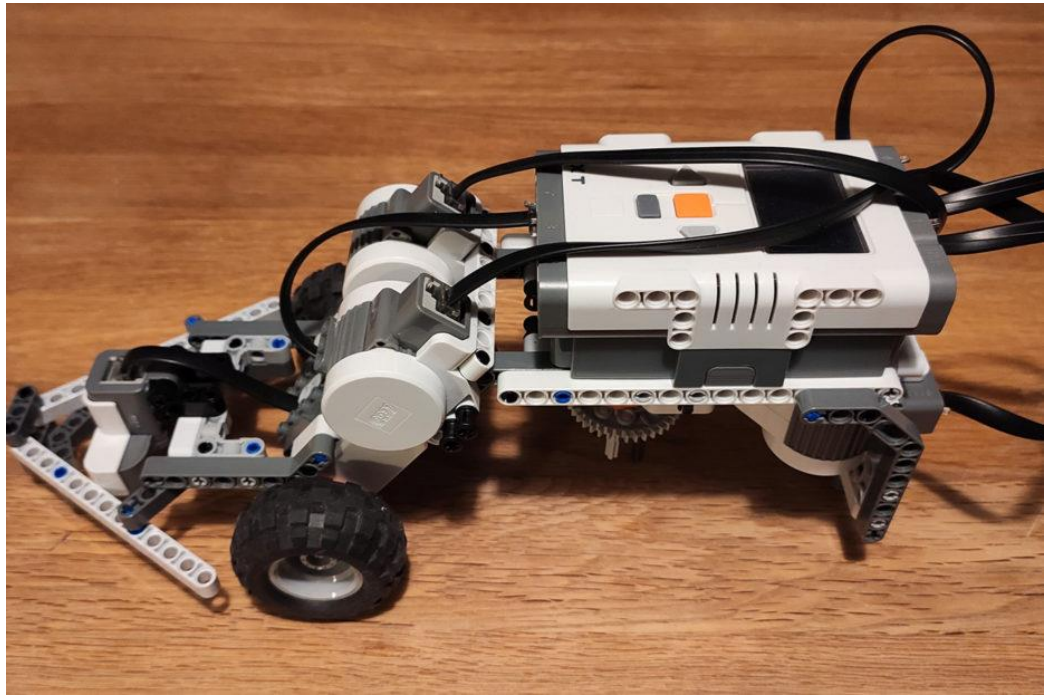
- We voted which idea would be more interesting to make and three out of four voted for sweeping machine
- Did some more sketching





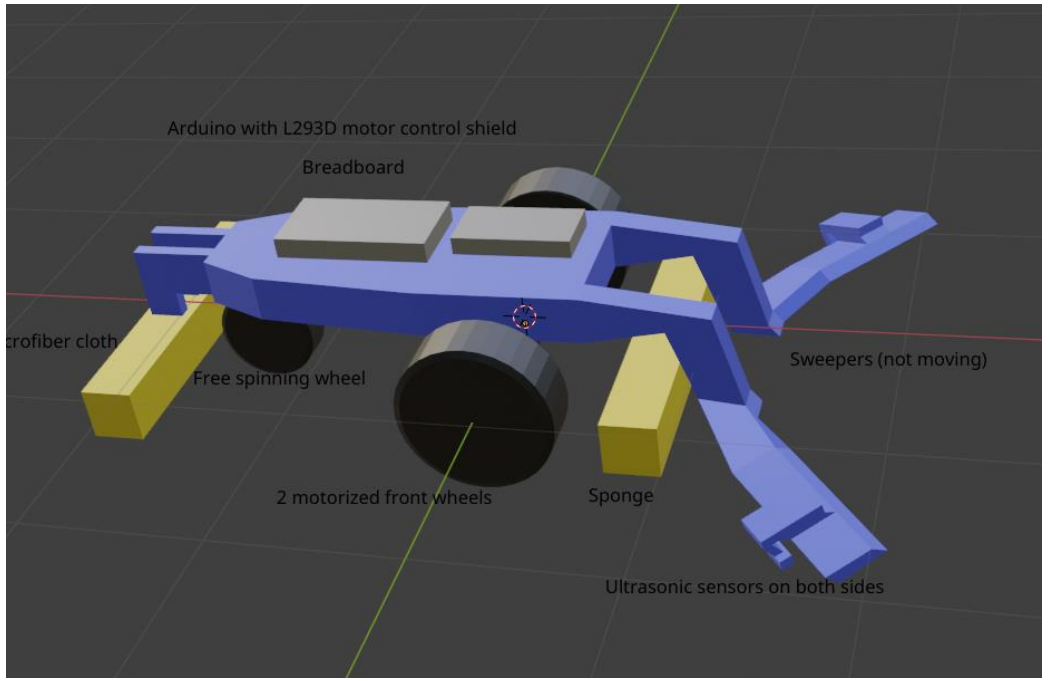
Fourth week

- One of our team member had old LEGO Mindstorm set and he made little proto of sweeper for us.
- Was helpful for deciding on final design of the sweeper.



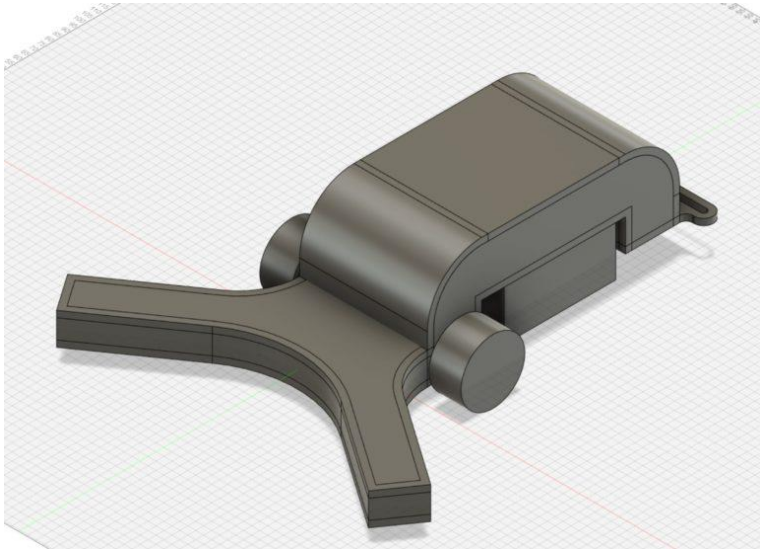
Fifth week

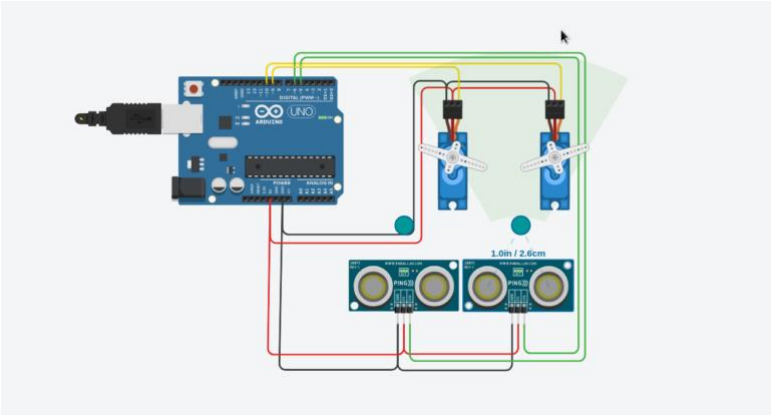
- We spent more time designing the sweeper.
- We included different kind of ideas from our sketches.



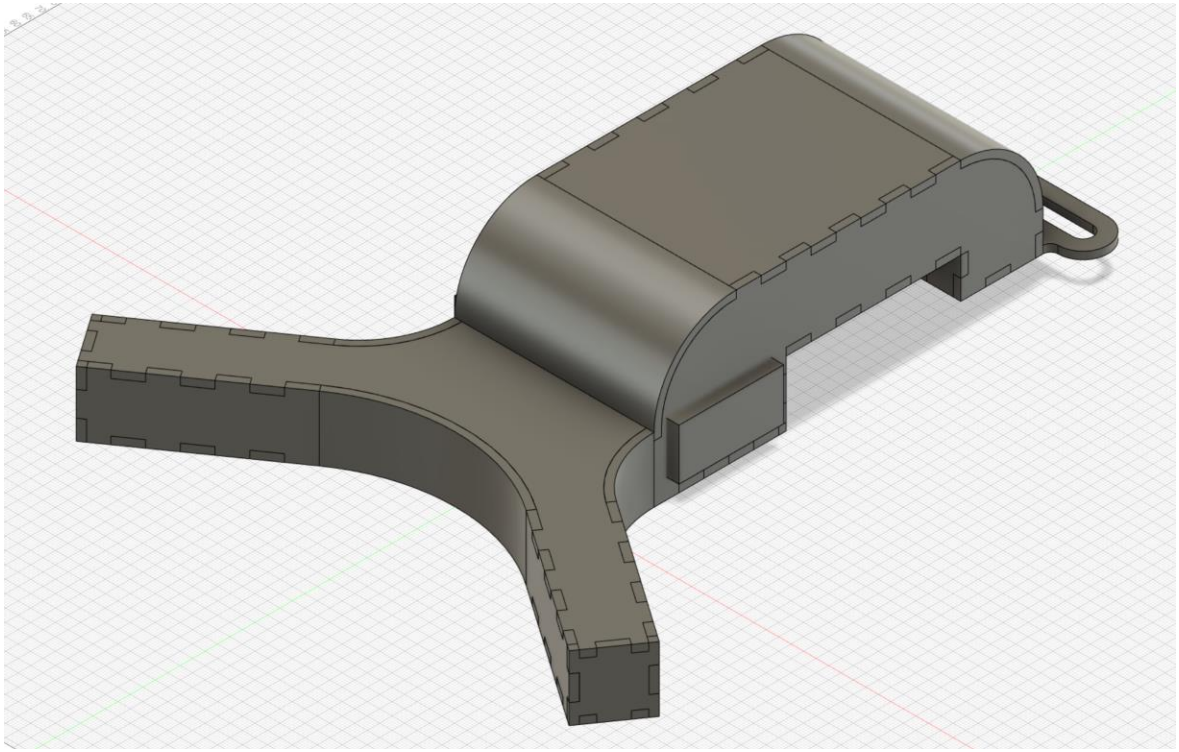
Sixth week

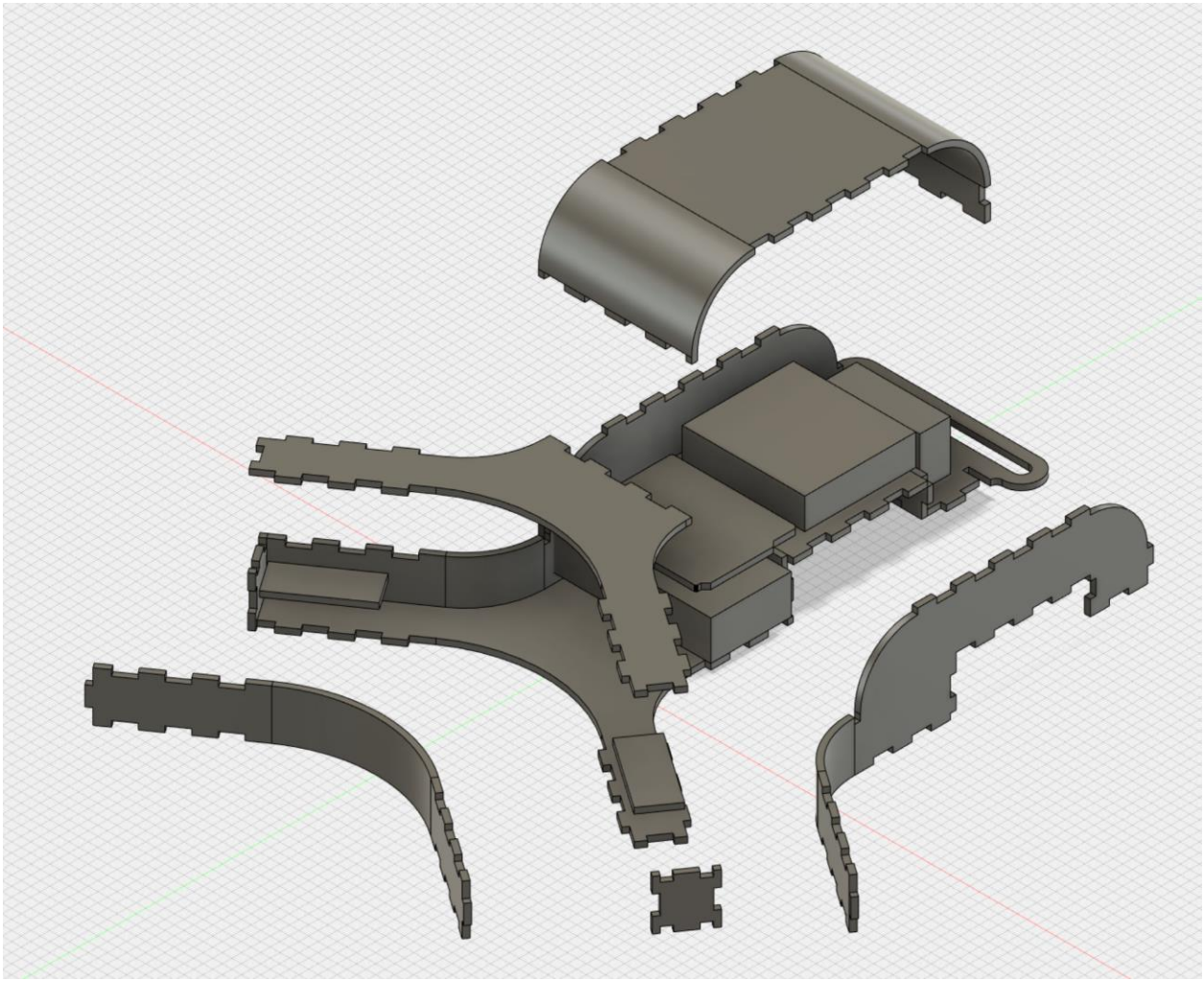
- One of our team member made better 3D model of our desing, which can be converted for laser cutter.
- We also made first Tinkercad sketches for electronics and code.





More finished design





Sweeper Keeper

- Arduino UNO
- 2 continuous rotation servos
- 2 pingsensors (or ultrasonic)
- For proto 9V battery for electronics and 4 AA in series for servos
- Still not sure if we are going to include rotating sponge under the sweeper

Next steps

- **Need to** decide if we want to include rotating sponge with dc motor under the sweeper. Will it cause problems with moving?
- **Need to** include parts in 3D model and convert it for laser cutter
- **Need to** make final decisions of the power sources and model of the servos
- **Need to** think if we want to add more sensors
- **Need to** think if we want to measure distance for better code.