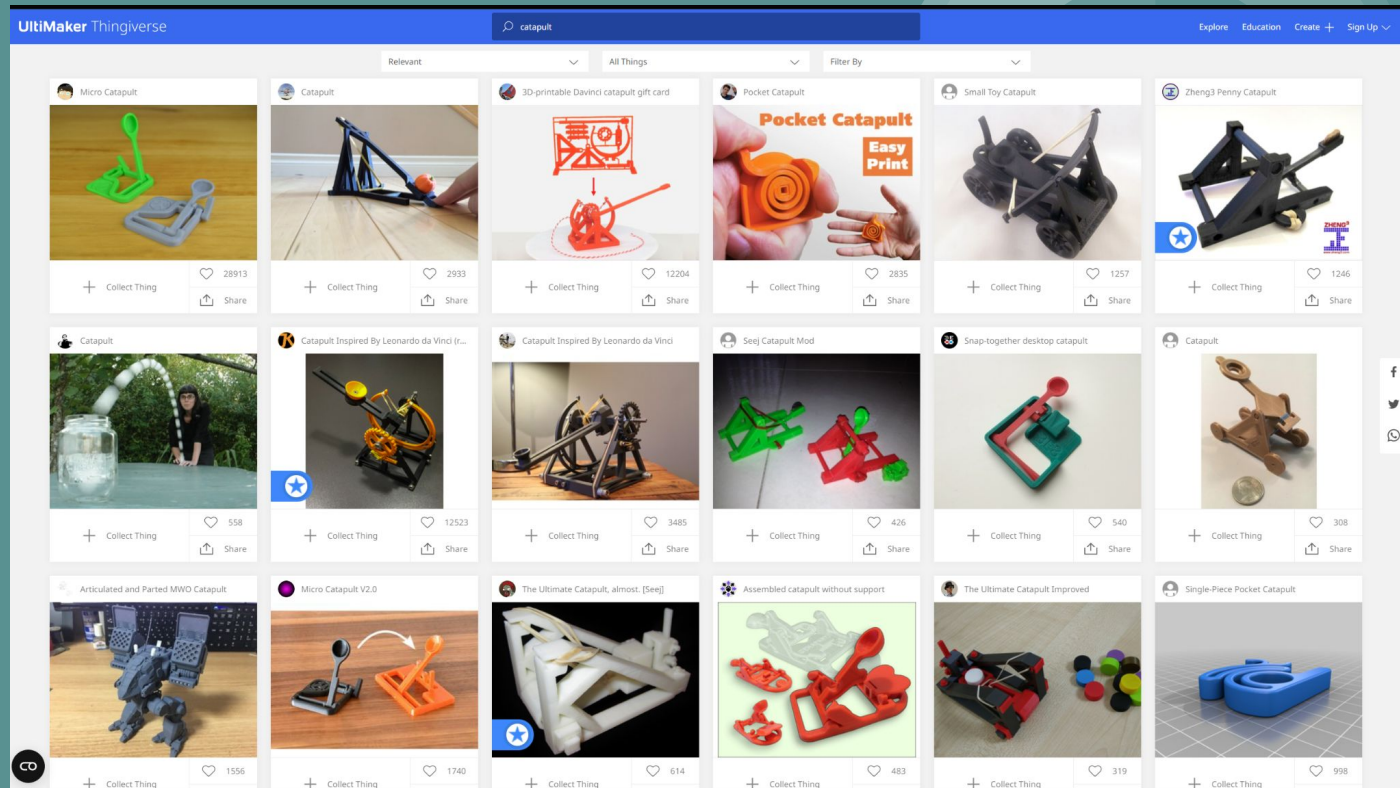
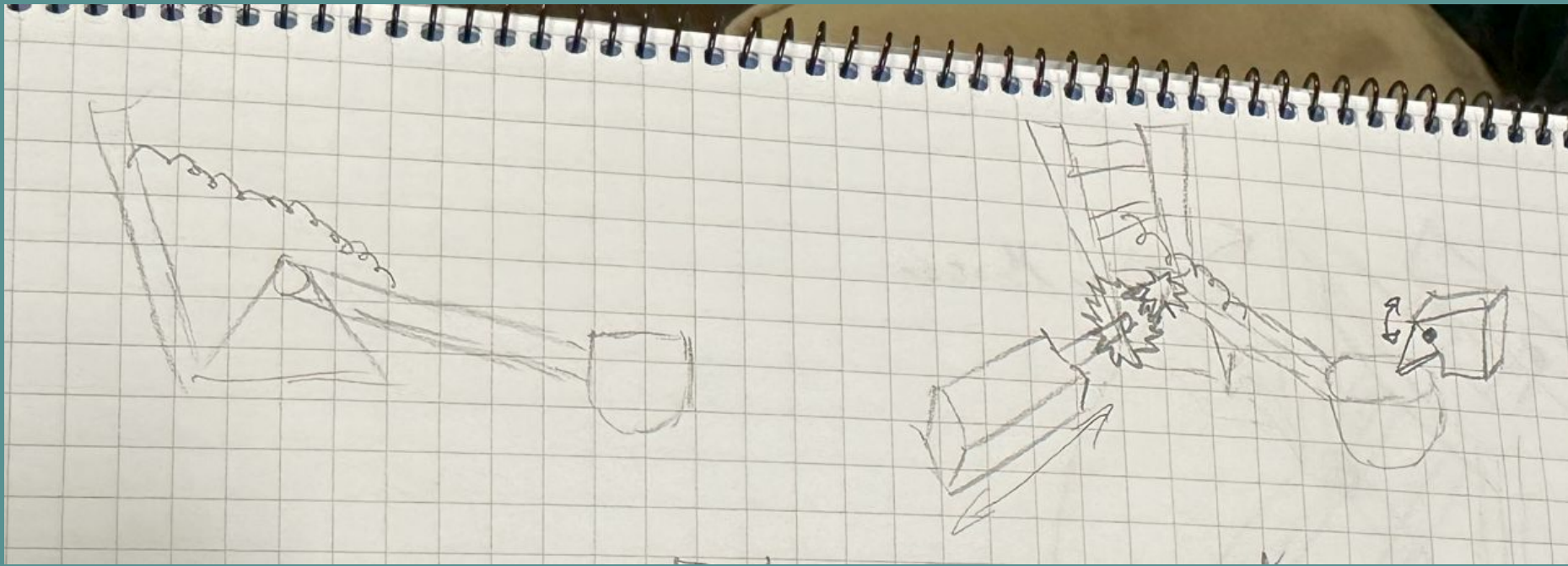


The (automatic) Catapult

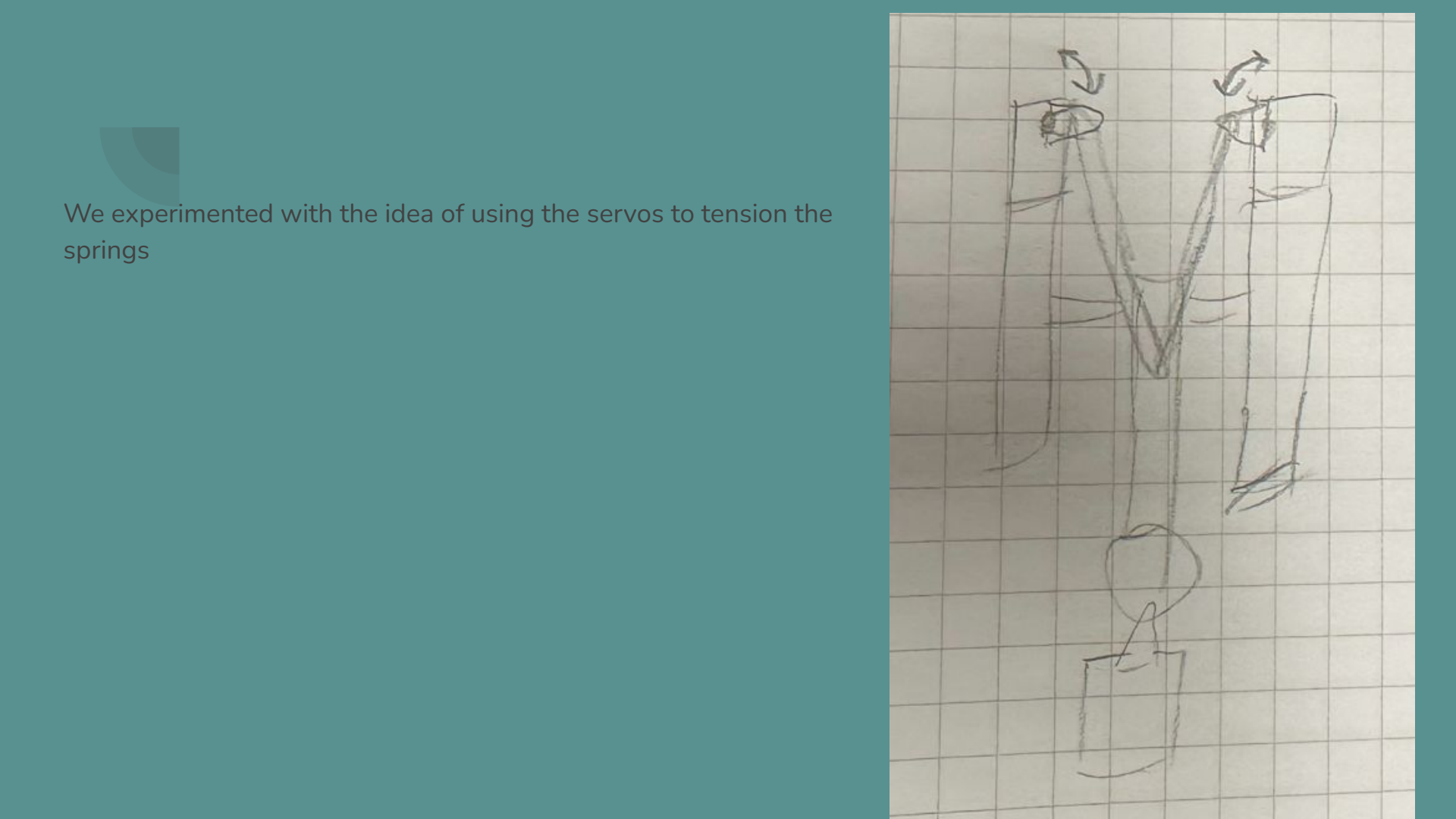


The inspiration:

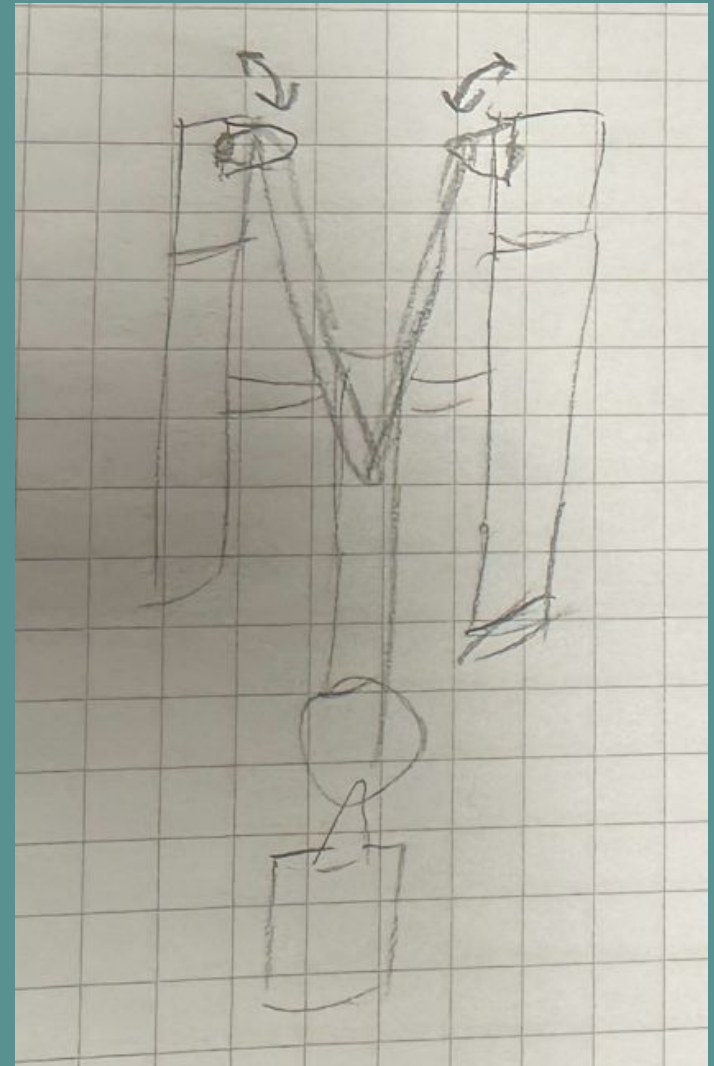


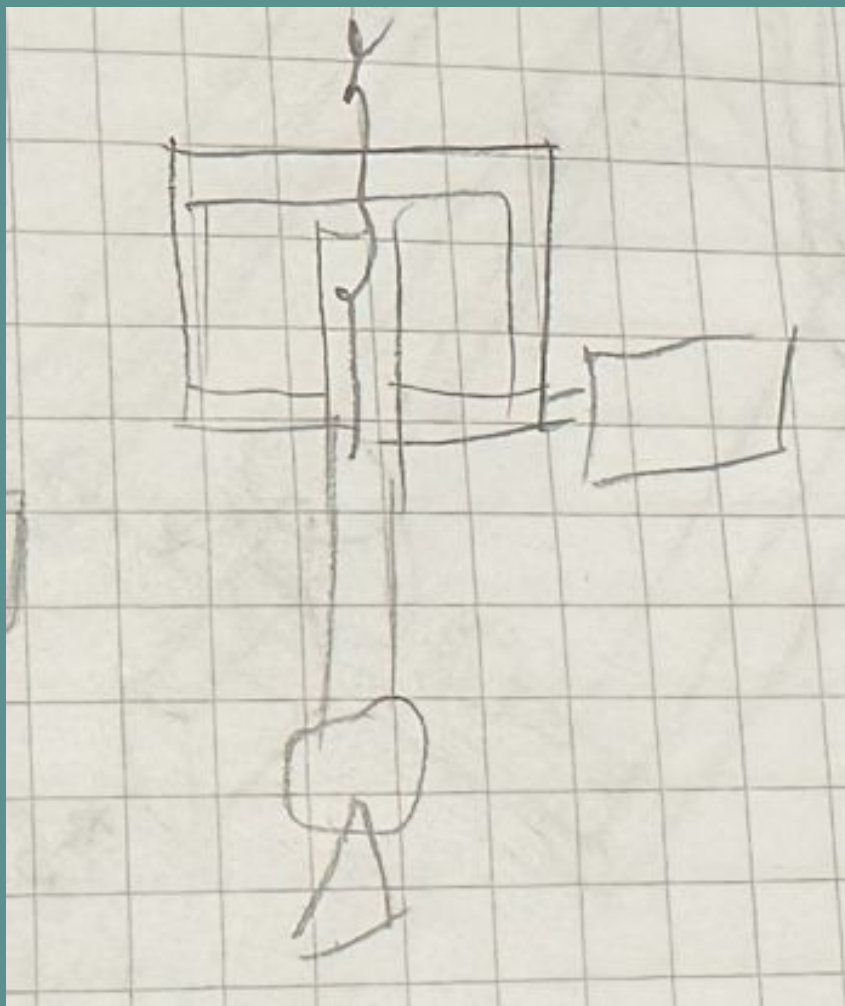


The idea was to have the DC motor connected using gears and release the spring and motor using servos

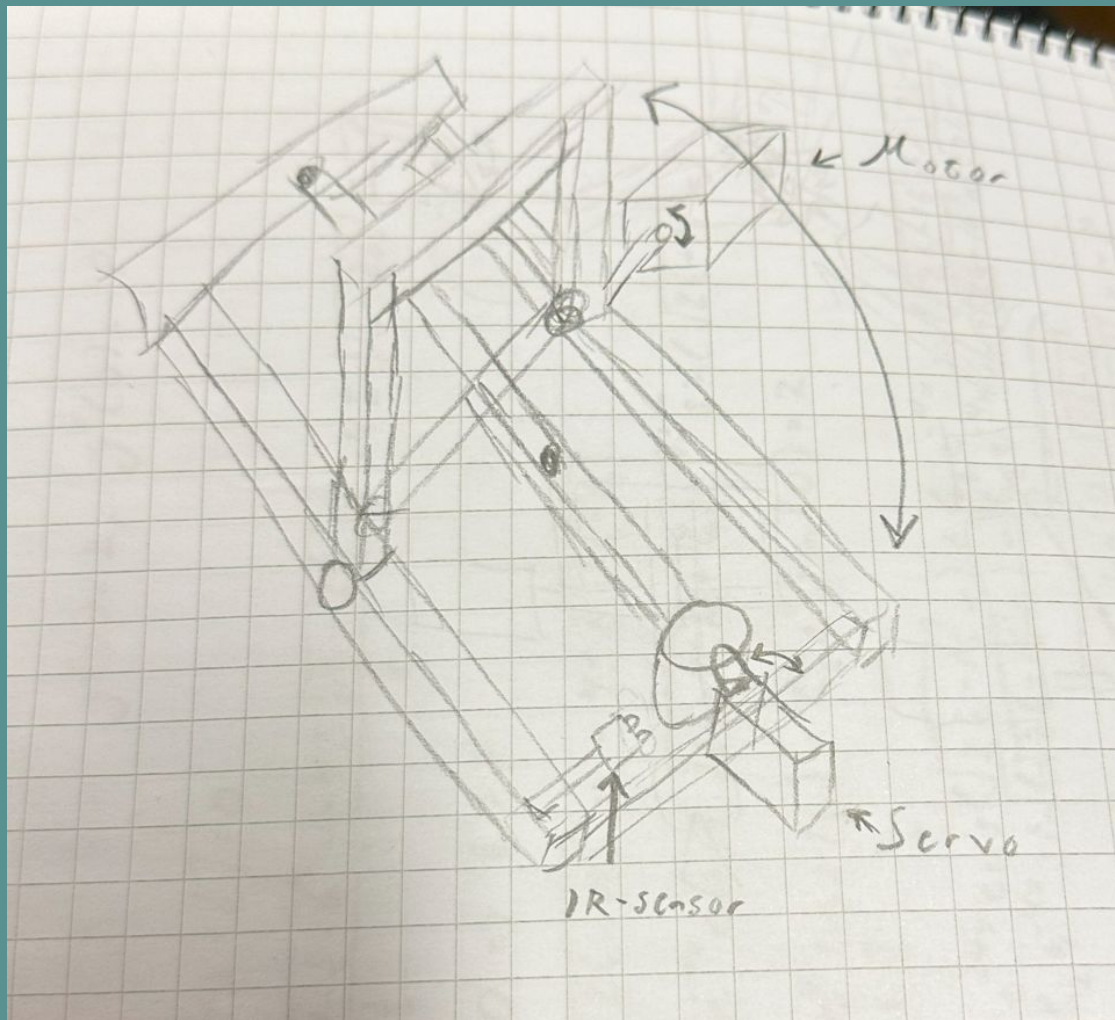


We experimented with the idea of using the servos to tension the springs





we came up with the idea of using the DC motor to rotate the “stopper” to load the catapult



- The IR sensor is used to detect when a payload is set in the cup
- Motor and the stopper are used to load and stop the catapult at optimal positions
- Servo holds the catapult in place
- A rubber band is used to create tension in the catapult