# Check if ball-thrower mechanism with all components can work properly.

# Summary

## Location & Date

TBD

## Description & Aim

After constucting all mechanical components of the project, we need to assure that ball-thrower can take ball from box and throw them with desired speed and to desired direction.

## Participants

TBD

# Preconditions & Environment Requirements

1. All mechanical part is done (Barrel, box, other dc motor components etc.)
2. Balls

# Scenario

|  |  |  |  |
| --- | --- | --- | --- |
| **Step** | **Data** | **Expected Result** | **Actual Result** |
| Check if all necessary components are connected to the power supply,s.t battery. |  | All required components are ready to power up. |  |
| Then, activate one of the barrel motors | Speed of motor will be determined by a pot or Raspberry command | Motor 1 should starts and accelerate |  |
| Then, activate the ball pusher motor | Speed of motor will be determined by a pot or Raspberry command | Balls are started to be pushed to barrel and they should be thrown |  |
| Then, activate the servo motors that change the motor direction horizontally | Direction of motor will be determined by a pot or Raspberry command | Barrel should starts to turn through desired direction while they are currently throwing balls |  |
| Then, stop the servo motor of horizontal motion and change the angle of barrel for vertical direction | Direction of motor will be determined by a pot or Raspberry command | Barrel angle should change according to user decision |  |