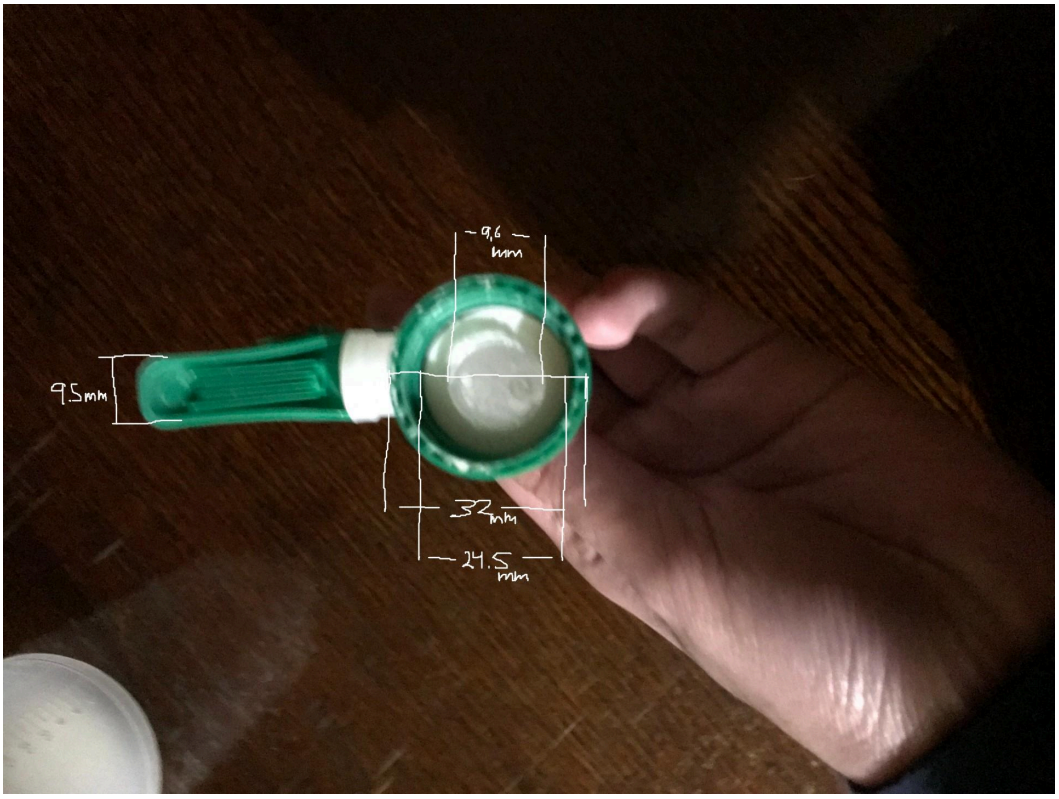
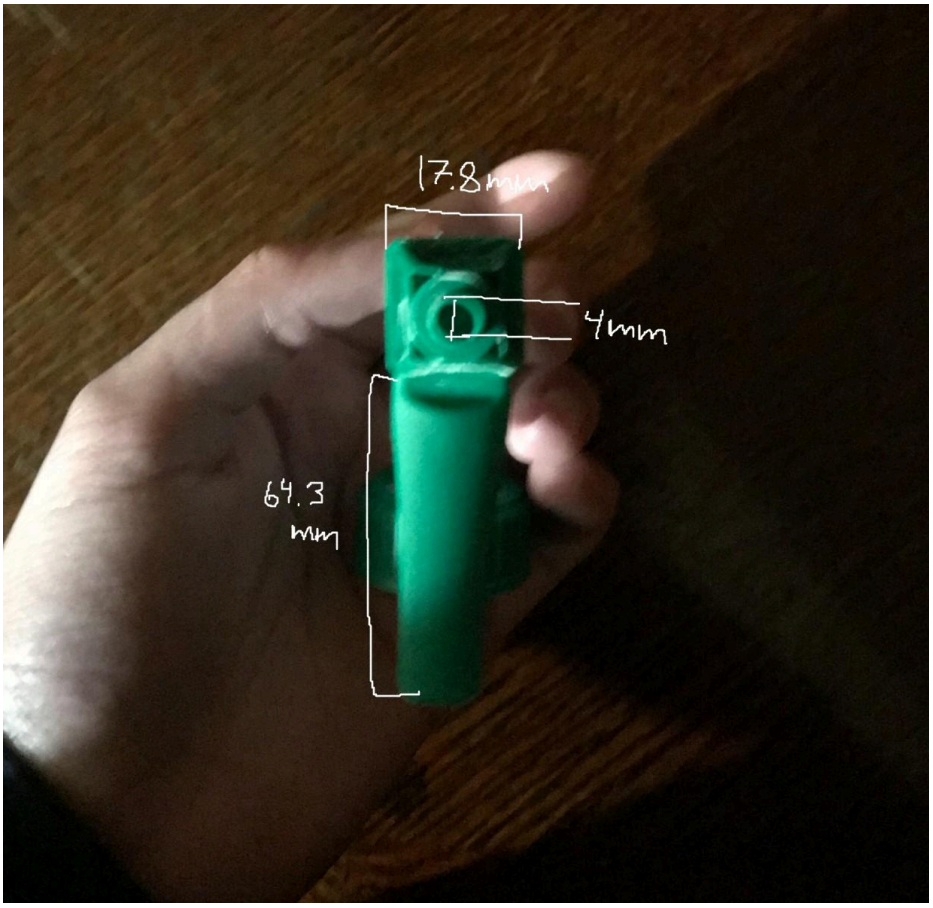
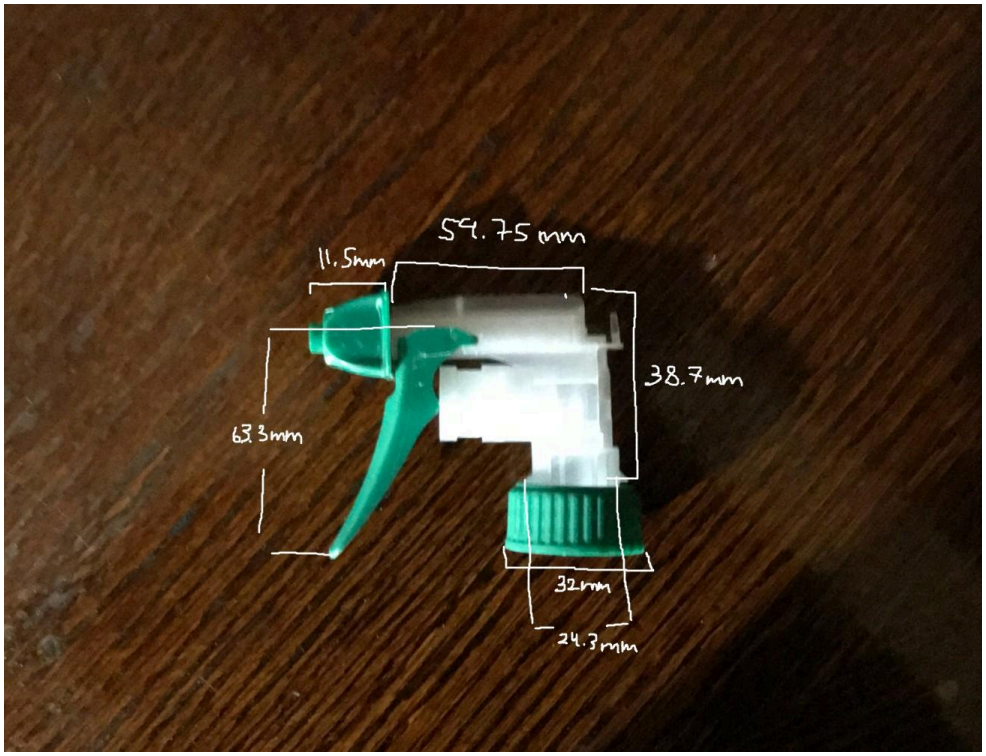
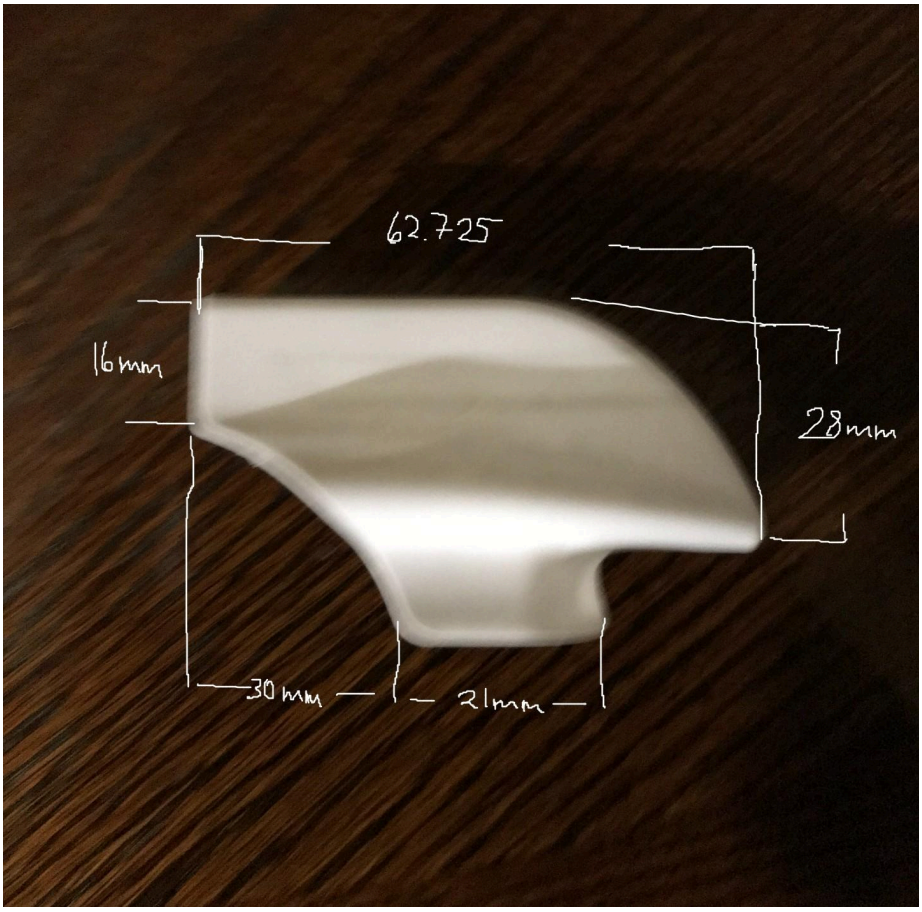

14.25 mm
16.918 mm
3.83 mm
9.265 mm
2.261 mm
45.192 mm
7.716 mm
138.425 mm
85 mm


~9.6 mm
9.5mm
32mm
24.5 mm


17.8mm
4mm
64.3 mm


59.75 mm
11.5mm
38.7mm
63.3mm
32mm
24.3mm


62.725
16mm
28mm
30mm
21mm

Object: Plastic Spray Bottle

Approximate # of Parts: 12

Approximate Dimensions/Size (in MMGS):
Part 1 (Bottle): 85mm wide at the bottom, 138.425mm tall, top opening is 28.5mm wide.
Part 2 (Trigger): 63.3mm long, 9.5mm wide from the end.
Part 3 (Cap): Bottom is 32mm wide, top opening is 19.5mm wide, 22mm tall overall.
Part 4 (Pump cup): 36.5mm tall, 13.5mm wide at top, 6.7mm wide at bottom.
Part 5 (Outer Nozzle): 17.8mm tall, 11.5mm back to front.
Part 6 (Cover): Top part is 62.273mm long, bottom opening is 21mm long, front opening is 16mm long, back slant is 27.876mm long.
Part 7 (Main body): 59.750mm wide, 38.7mm tall.
Part 8 (Mounting): 24.5mm wide all together, top opening is 7.3mm wide, piece is 12mm tall.
Part 9 (Spring): 13.4mm tall, spring thickness approximately 0.790mm wide.
Part 10 (Ball valve): 4mm in diameter.
Part 11 (Inner valve): 9.8mm long, 7.9mm tall.
Part 12 (Nozzle valve): 16.4mm long, 4mm tall.

Materials: Translucent/Frosted Plastic (for the bottle), Plastic (for every other part), Steel (for the spring).

Potential Design Challenges: Creating the parts of the spray mechanism as well as getting accurate dimensions for hard-to-reach parts within the spray mechanism, creating the housing/cover for the spray mechanism.

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