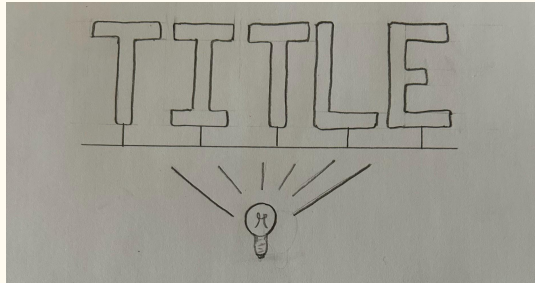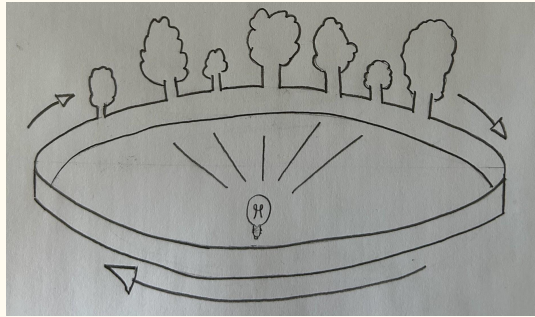# Project proposal

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Shadows with lighting

- Cylinder with shapes (trees, building)

- Light inside the cylinder creates shadows on background

- Cylinder rotates

- Extension 1: attach cylinder to arm

- Extension 2: display info on curtains

- Extension 3: coordination with sound

Perception

- Lidar to position robot in *correct* position

- Extension 1: camera to capture commands
  - Speed of rotation of cylinder
  - Position / movement of robot

- Extension 2: project outline of actress on background