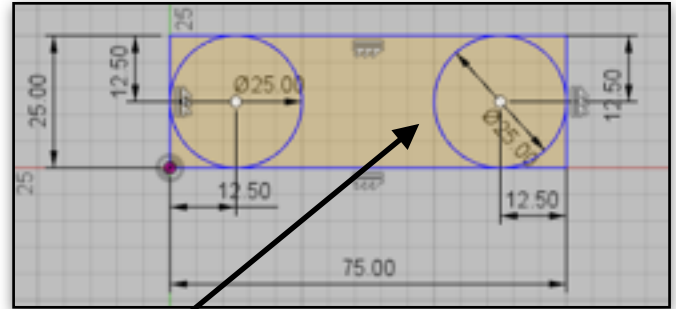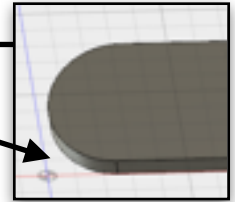# FUSION 360

Name Tag

1. **Open Fusion 360**: File > New Design
2. **Create project**: Your name tag should look like the picture to the right. It is 75mm long, 25mm high and 4mm thick. The hole has a diameter of 5mm and is 6mm from the side. The text size is 10-15mm. The "Extrude" is 2.5mm
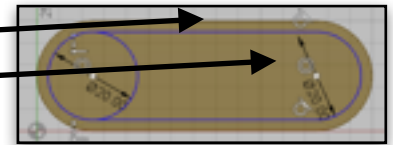3. **Building your part**:
   1. Use the rectangle tool to make a rectangle 75mm X 25mm (Front View)
   2. Use the circle tool to make two circles (25mm diameter) 12.5mm from the sides
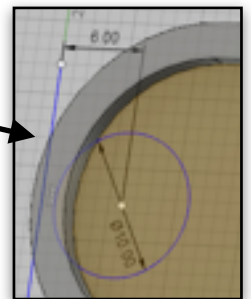
   3. Use "Trim" tool to erase the corners and the inside portion of the circle
   4. Use the "Extrude" tool to give the name tag 4mm of thickness.
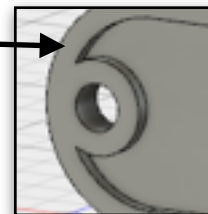
   5. Use the circle tool to make a 20mm circle on each end. The center point is at the same spot as the previous circle (concentric).
   6. Use the "Line" tool to attach the edges of the circles
   7. Use the "Trim" tool to erase the inside part of the circle

   8. "Extrude" the inside by -1.5mm (be sure to use a negative sign)
   9. Make a circle 10mm diameter that is 6mm from the left side.
   10. Make a vertical line along the left side so you can add a dimension
   11. "Extrude" the circle 1.5mm (it should be level with the boarder)

   12. Use the circle tool to make a hole for the keychain 5mm (centered in the 10mm circle you just made)
   13. "Extrude" the center -4mm to make a hole all the way through

4. **Adding Text** to your keychain
   1. "Sketch" > Text and then click near the bottom left of the keychain so you see the blue circle (you will move the text around later).
   2. Type your name, select the font (bold works well with rockwell, cooperblack, hobo), make the size 10-15mm, click "OK"
   3. Extrude your name: Click on "Extrude" > click on the text > enter 1.5 > click "OK"