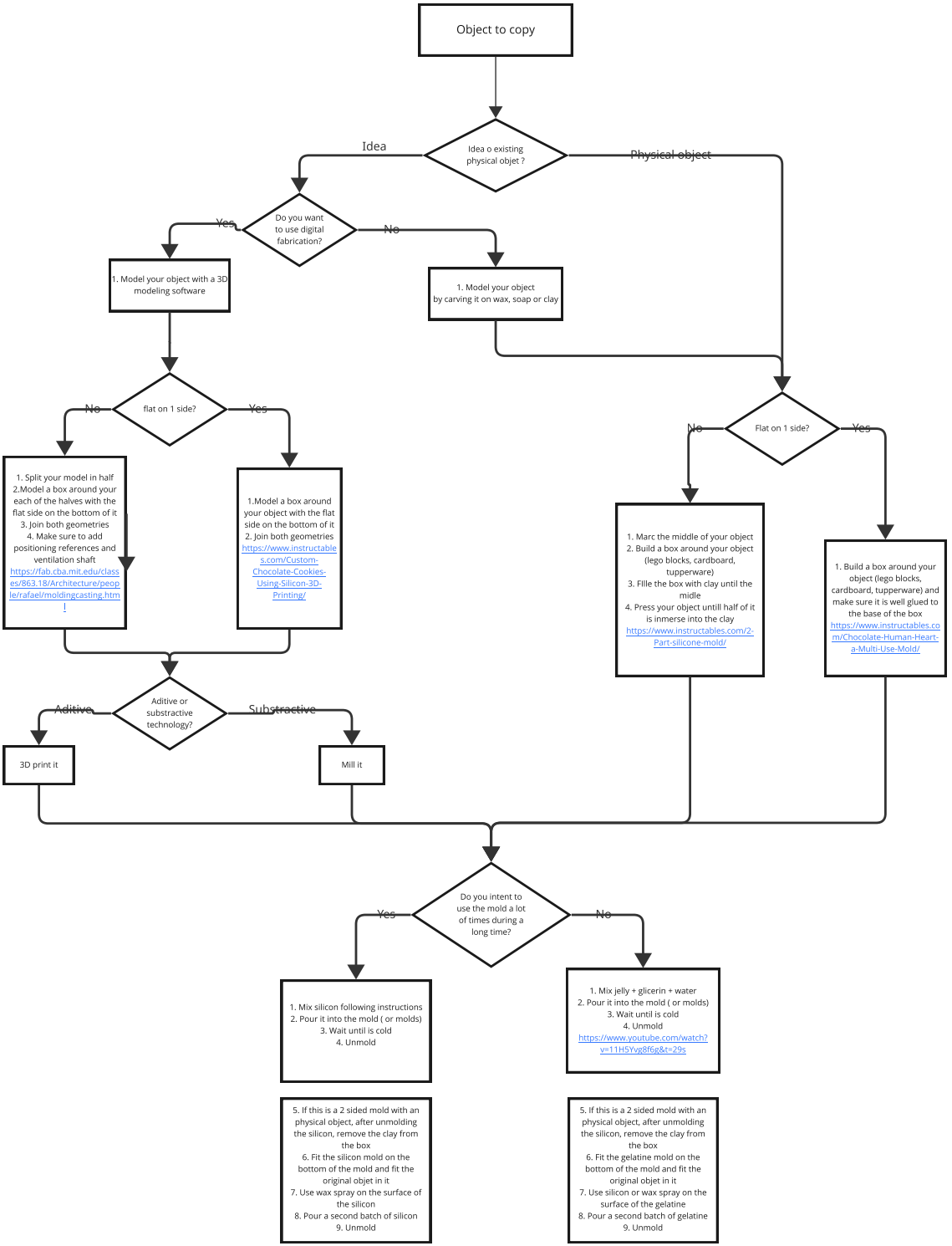
Object to copy
Idea o existing physical objet ?
Idea
Physical object
Do you want to use digital fabrication?
Yes
No
1. Model your object with a 3D modeling software
1. Model your object by carving it on wax, soap or clay
flat on 1 side?
No
Yes
1. Split your model in half
2.Model a box around your each of the halves with the flat side on the bottom of it
3. Join both geometries
4. Make sure to add positioning references and ventilation shaft
https://fab.cba.mit.edu/classes/863.18/Architecture/people/rafael/moldingcasting.html
1.Model a box around your object with the flat side on the bottom of it
2. Join both geometries
https://www.instructables.com/Custom-Chocolate-Cookies-Using-Silicon-3D-Printing/
Aditive or substractive technology?
Aditive
Substractive
3D print it
Mill it
Flat on 1 side?
No
Yes
1. Marc the middle of your object
2. Build a box around your object (lego blocks, cardboard, tupperware)
3. FIlle the box with clay until the midle
4. Press your object untill half of it is inmerse into the clay
https://www.instructables.com/2-Part-silicone-mold/
1. Build a box around your object (lego blocks, cardboard, tupperware) and make sure it is well glued to the base of the box
https://www.instructables.com/Chocolate-Human-Heart-a-Multi-Use-Mold/
Do you intent to use the mold a lot of times during a long time?
Yes
No
1. Mix silicon following instructions
2. Pour it into the mold (or molds)
3. Wait until is cold
4. Unmold
5. If this is a 2 sided mold with an physical object, after unmolding the silicon, remove the clay from the box
6. Fit the silicon mold on the bottom of the mold and fit the original objet in it
7. Use wax spray on the surface of the silicon
8. Pour a second batch of silicon
9. Unmold
1. Mix jelly + glicerin + water
2. Pour it into the mold (or molds)
3. Wait until is cold
4. Unmold
https://www.youtube.com/watch?v=11H5Yvg8f6g&t=29s
5. If this is a 2 sided mold with an physical object, after unmolding the silicon, remove the clay from the box
6. Fit the gelatine mold on the bottom of the mold and fit the original objet in it
7. Use silicon or wax spray on the surface of the gelatine
8. Pour a second batch of gelatine
9. Unmold