

MCP

(The MCP Customizer Project)

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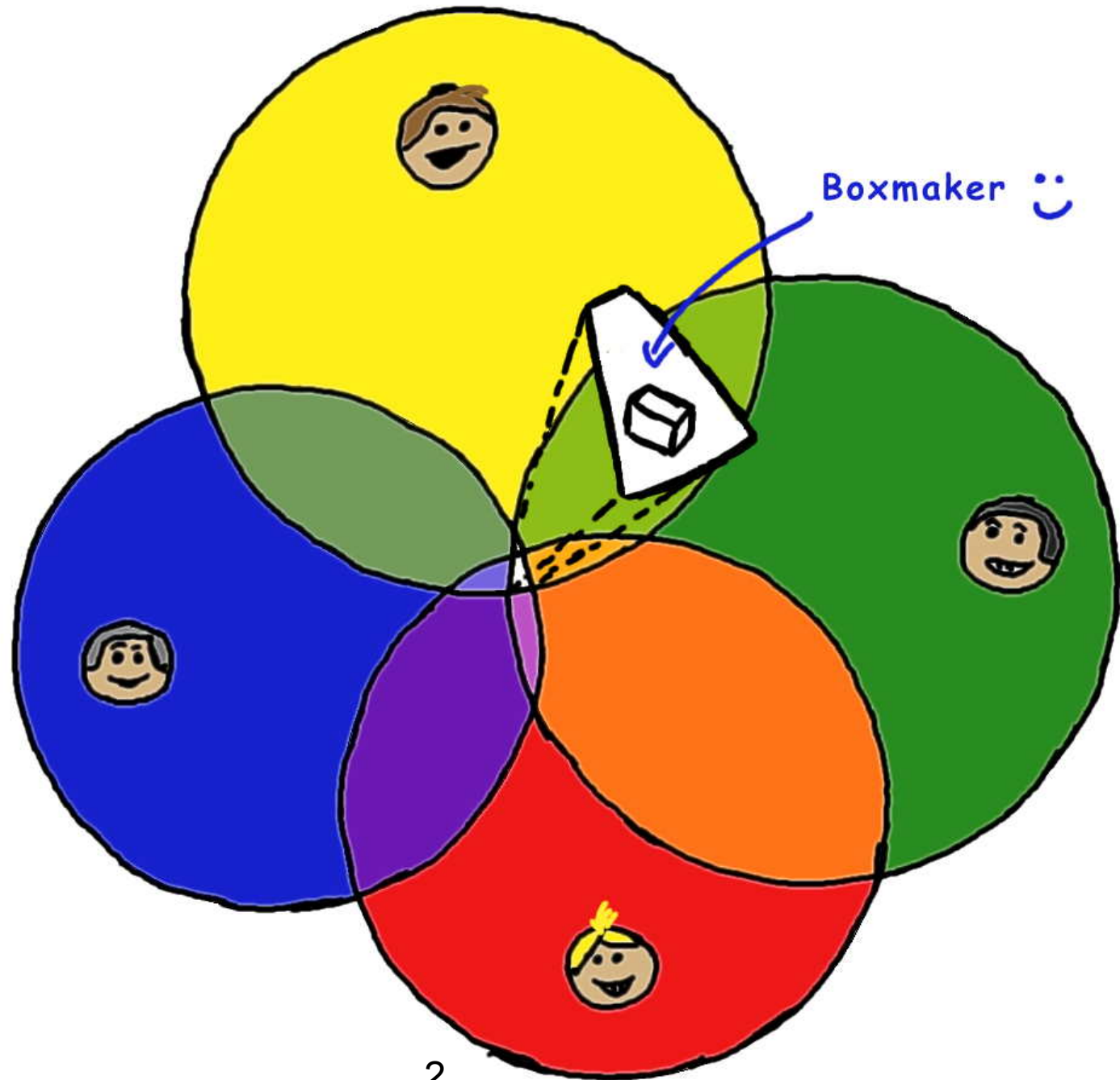
(The MCP Customizer Project Customizer Project Customizer Project Customizer Project)

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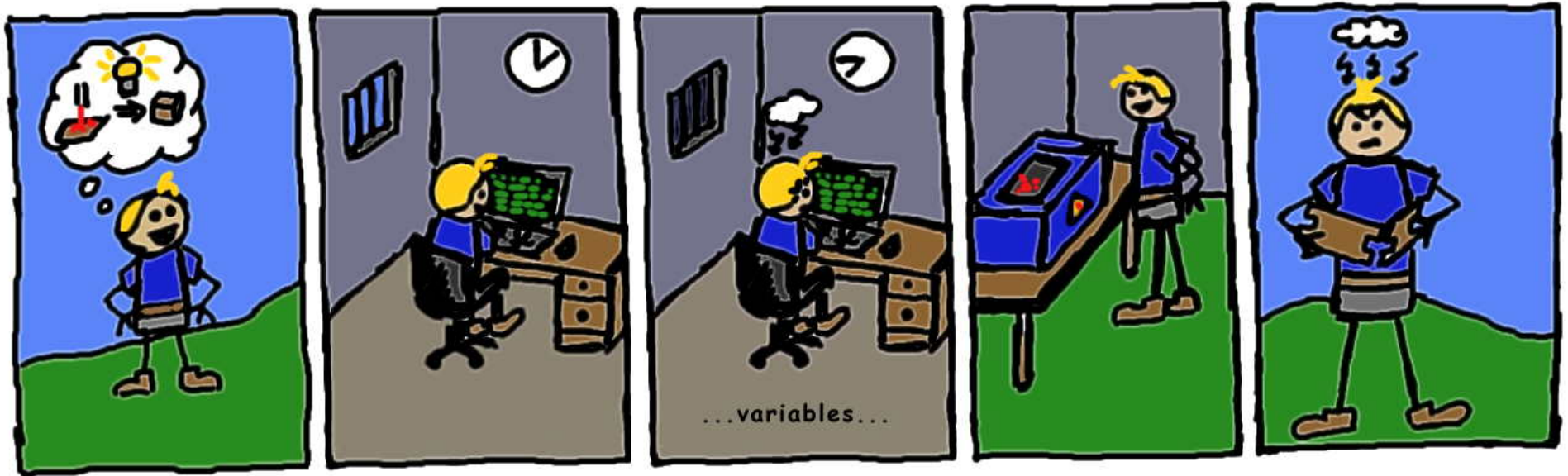
... the final project for MCP...

from Dennis, Mirko, Pierre, Jan

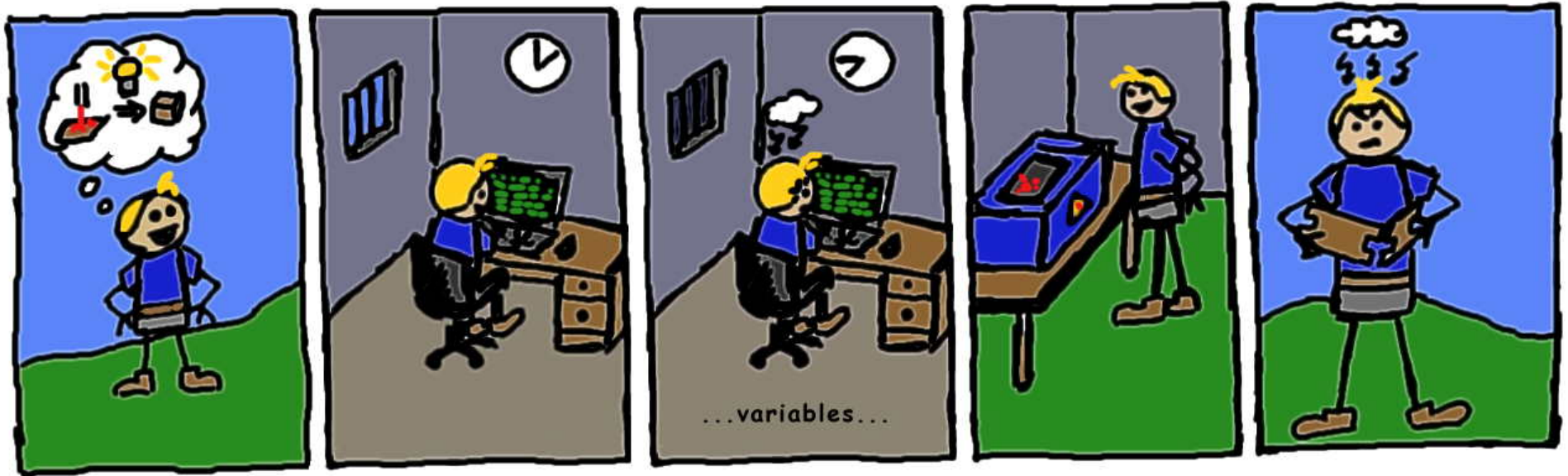
We want to make ... a Customizer



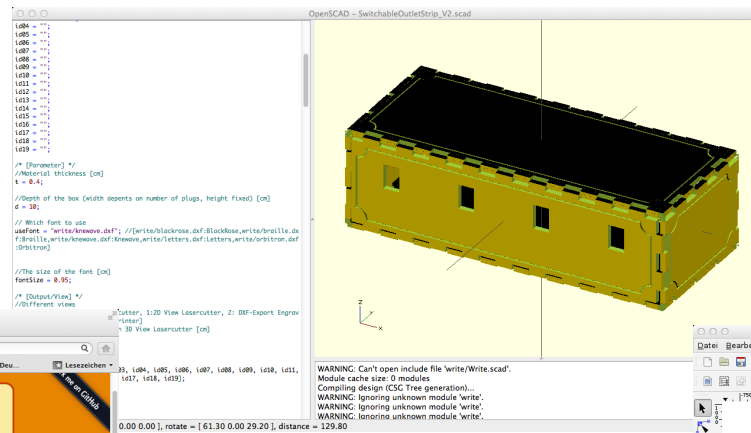
We want to make ... a Customizer



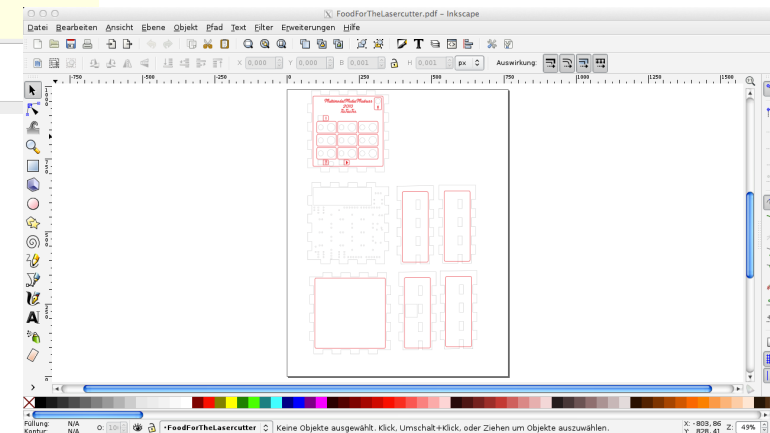
We want to make ... a Customizer



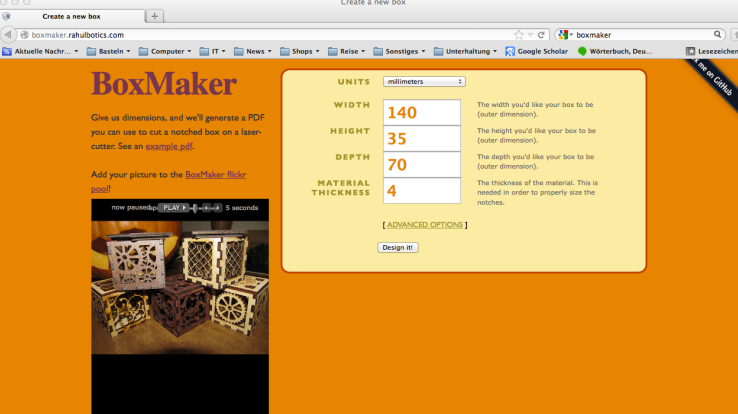
<http://www.openscad.org/>



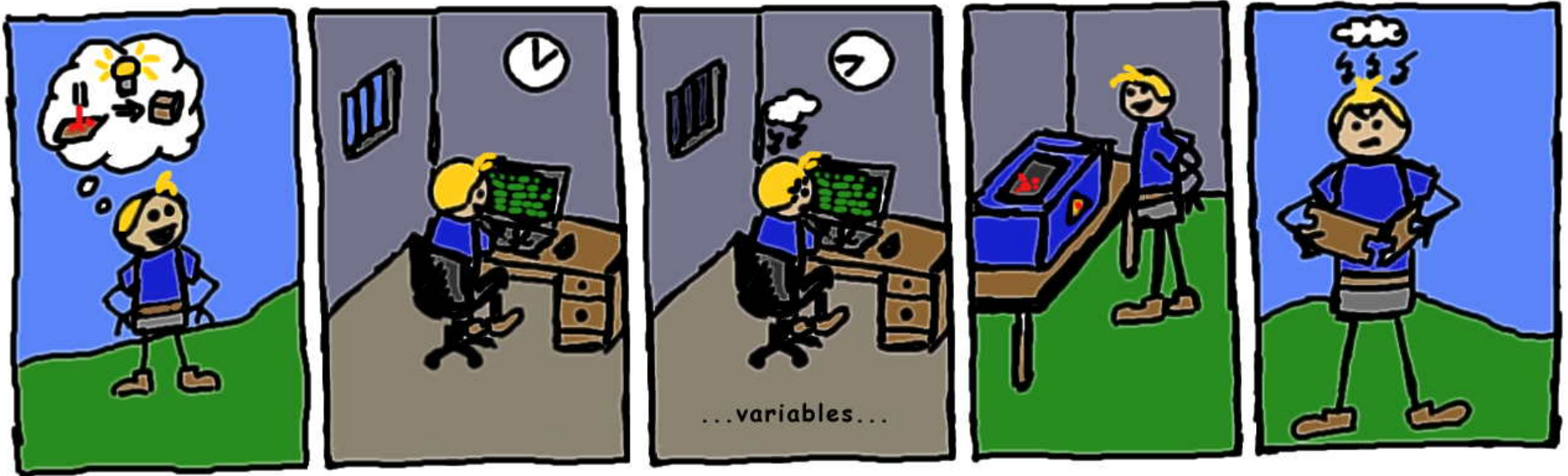
<http://inkscape.org/>



<http://boxmaker.raahulbotics.com/>

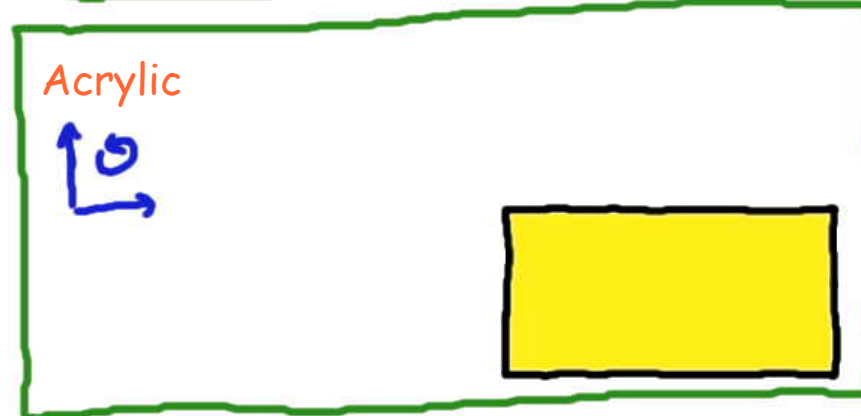
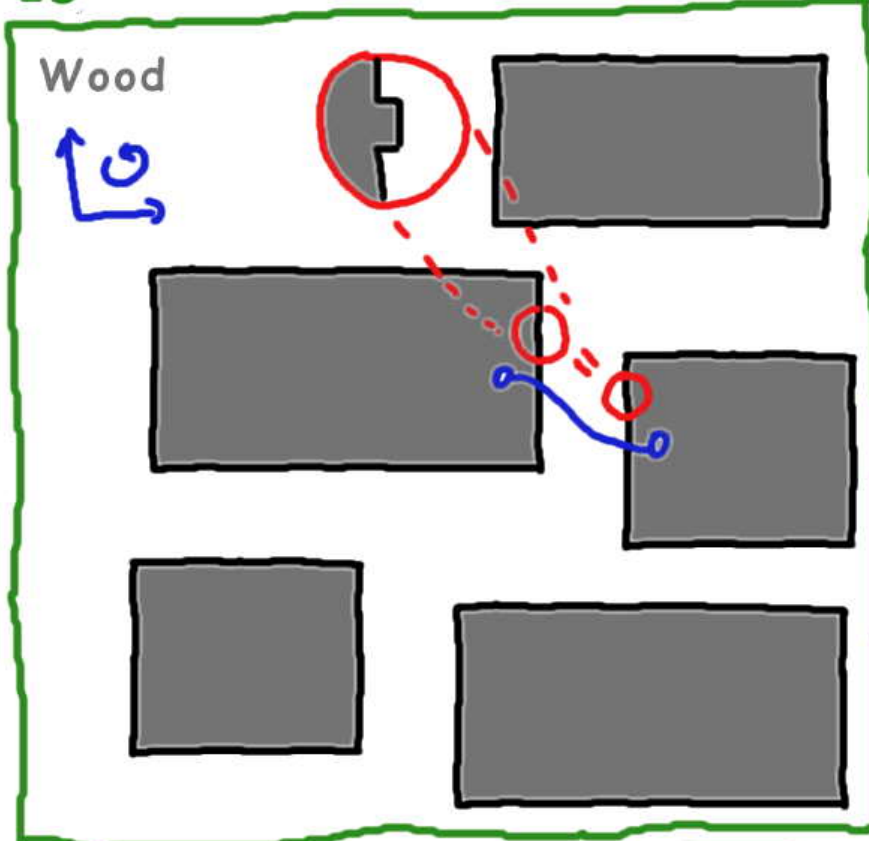


We want to make ... a Customizer

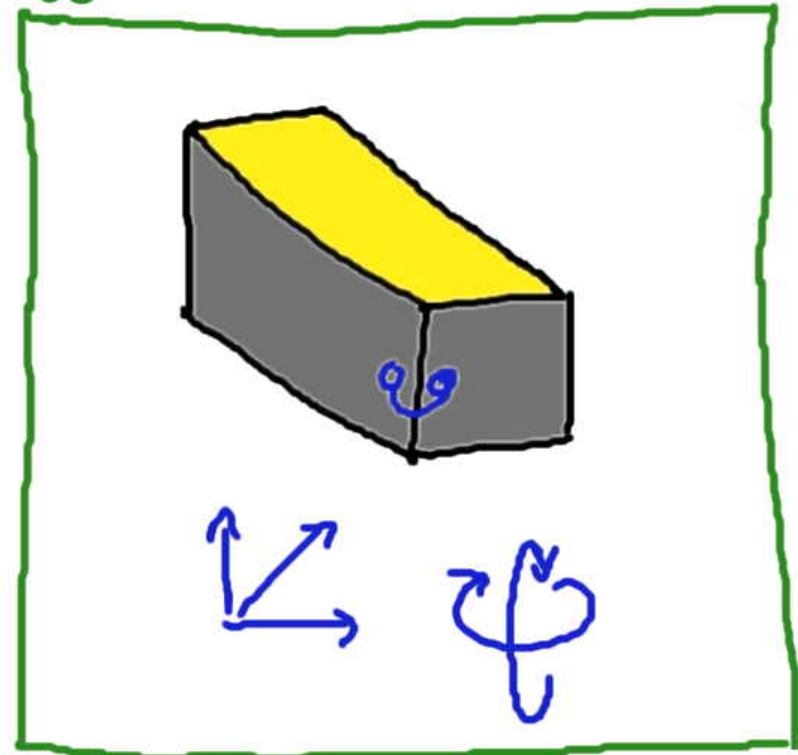


M1: Shapes & constraints

2D



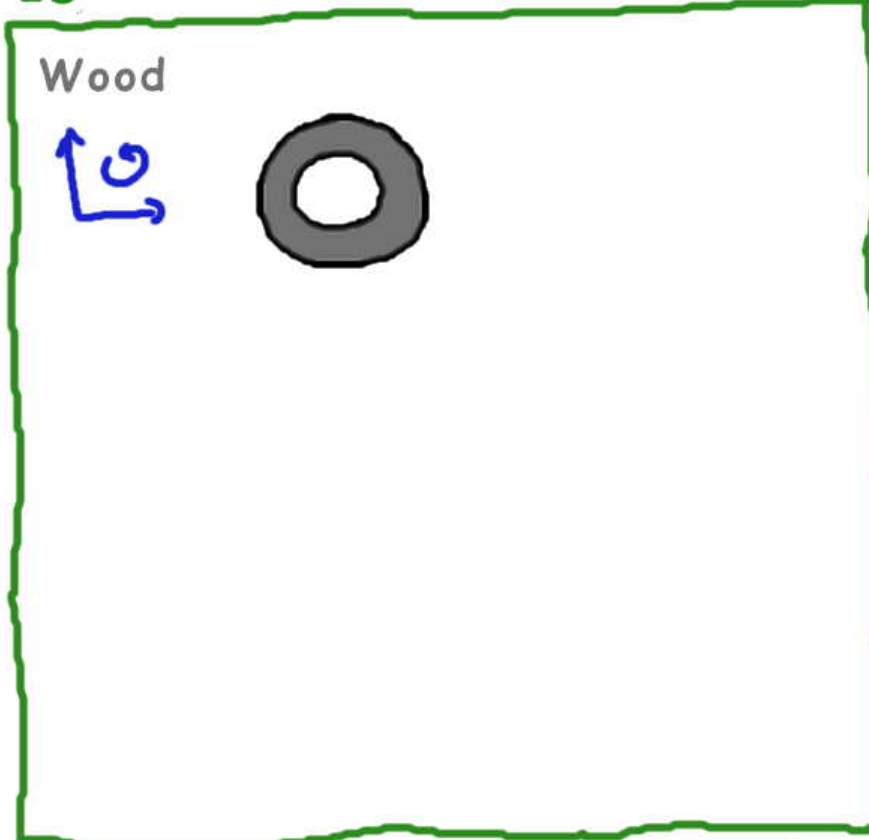
3D



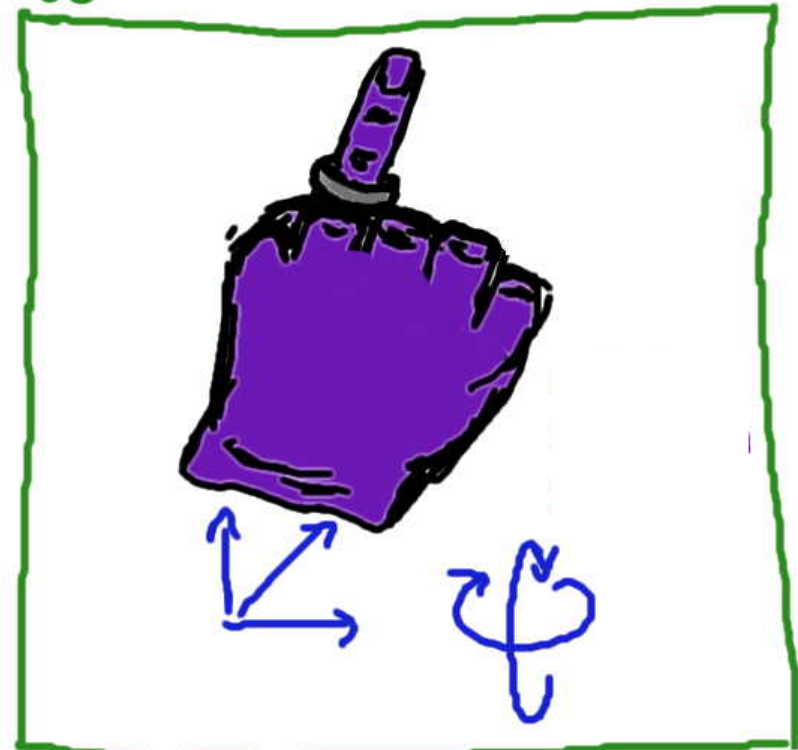
- Create simple shape
- Connect them (constraints)
- Object properties:
 - Size, Material, Thickness
 - material texture (3D)
 - material/thickness groups (2D)
- Hints for missing constraints

M1a: Size matters

2D



3D

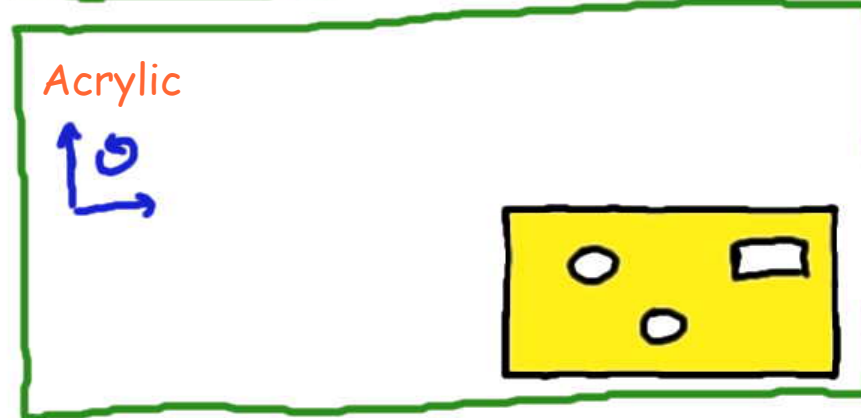
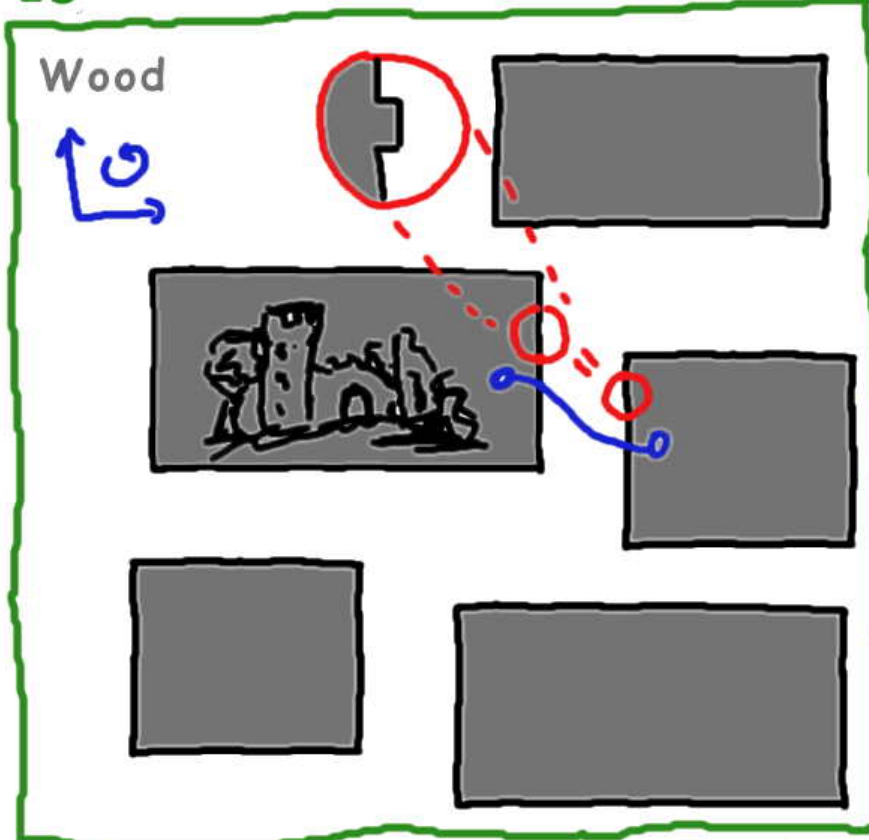


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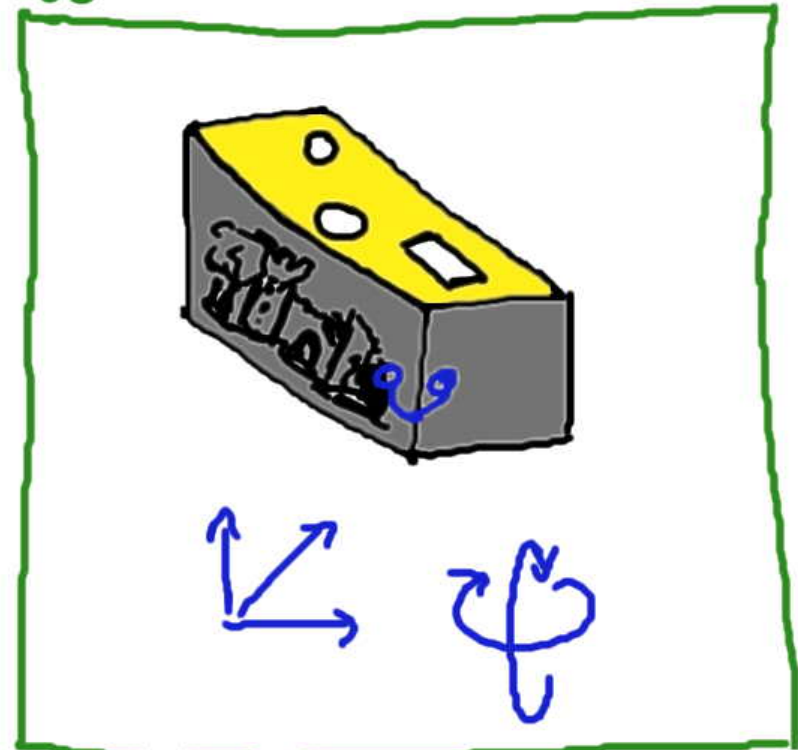
- Import stl files (e.g. from FabScan)
→ test size

M2: Reliefs & Cut outs

2D



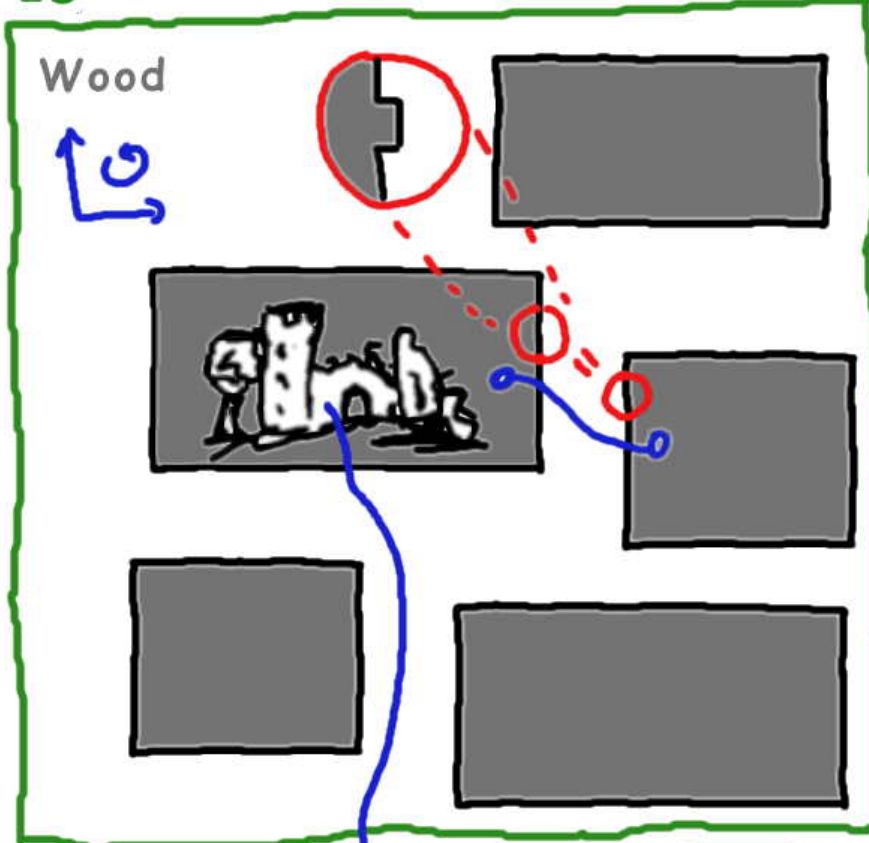
3D



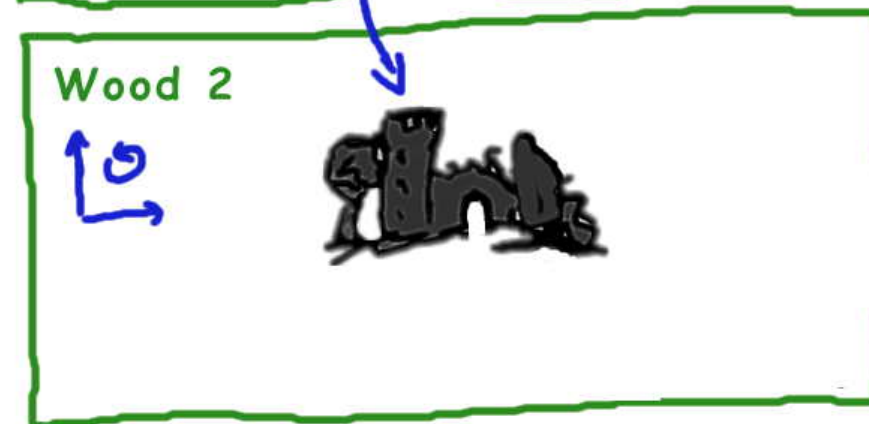
- Import svg/shapes
 - reliefs
 - cut-outs

M2a: Inlays

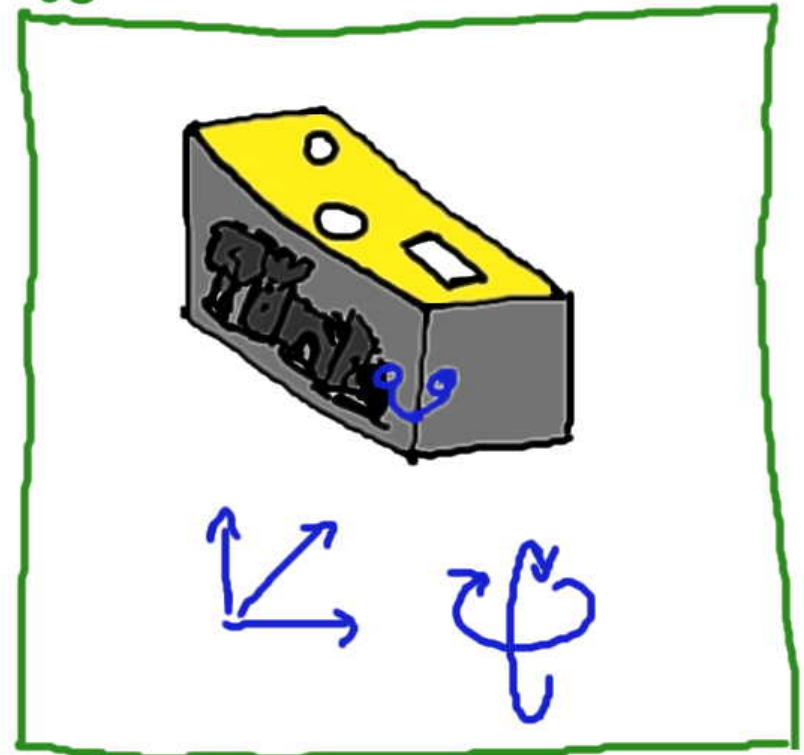
2D



Wood 2



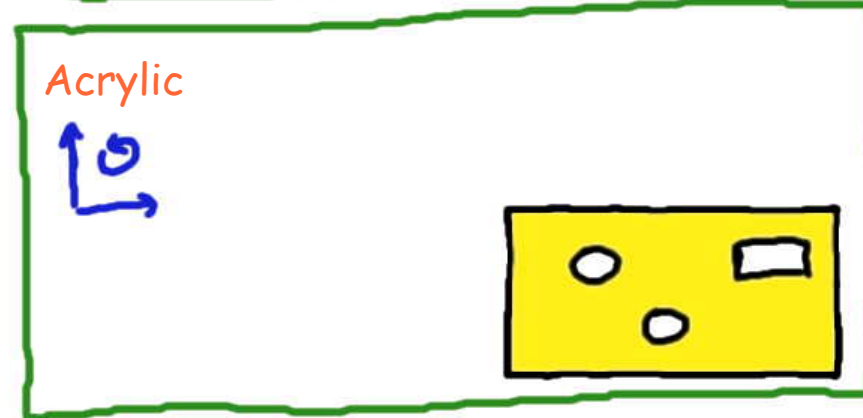
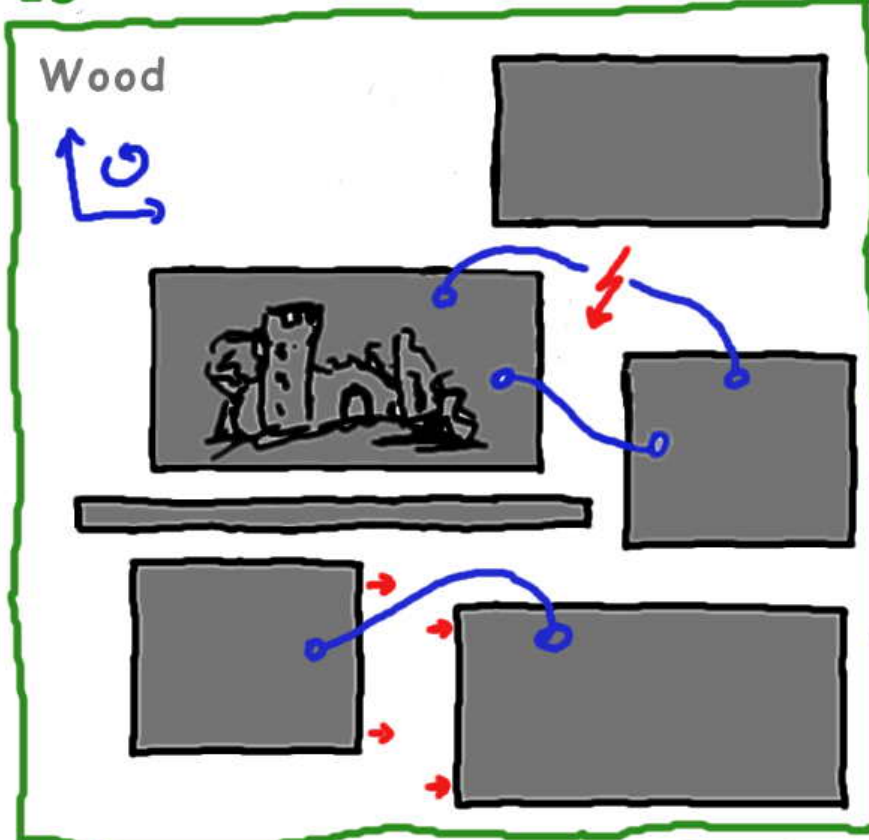
3D



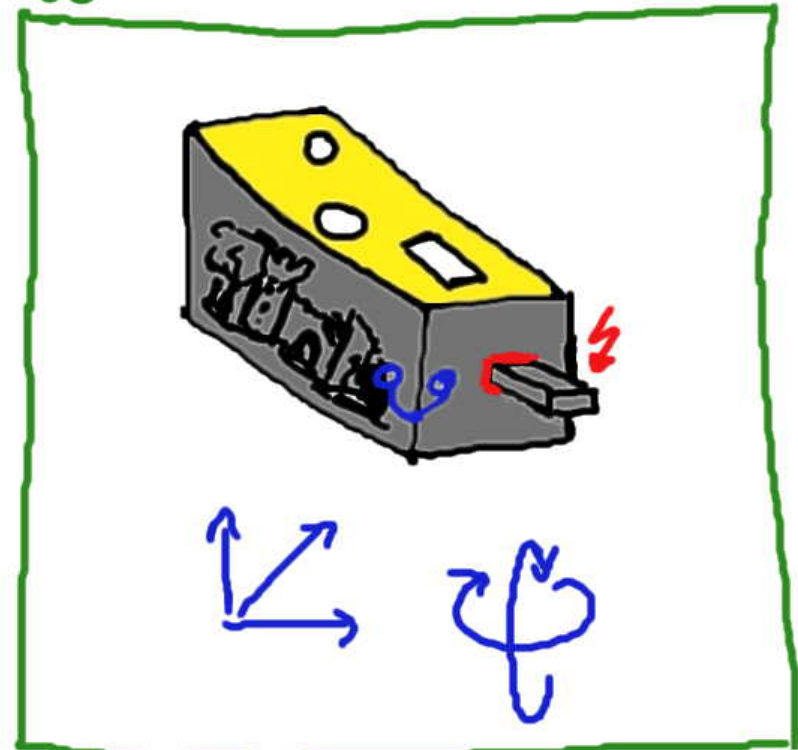
- select material for cut-outs
→ inlays or „no material“

M2b: Mission Impossible

2D

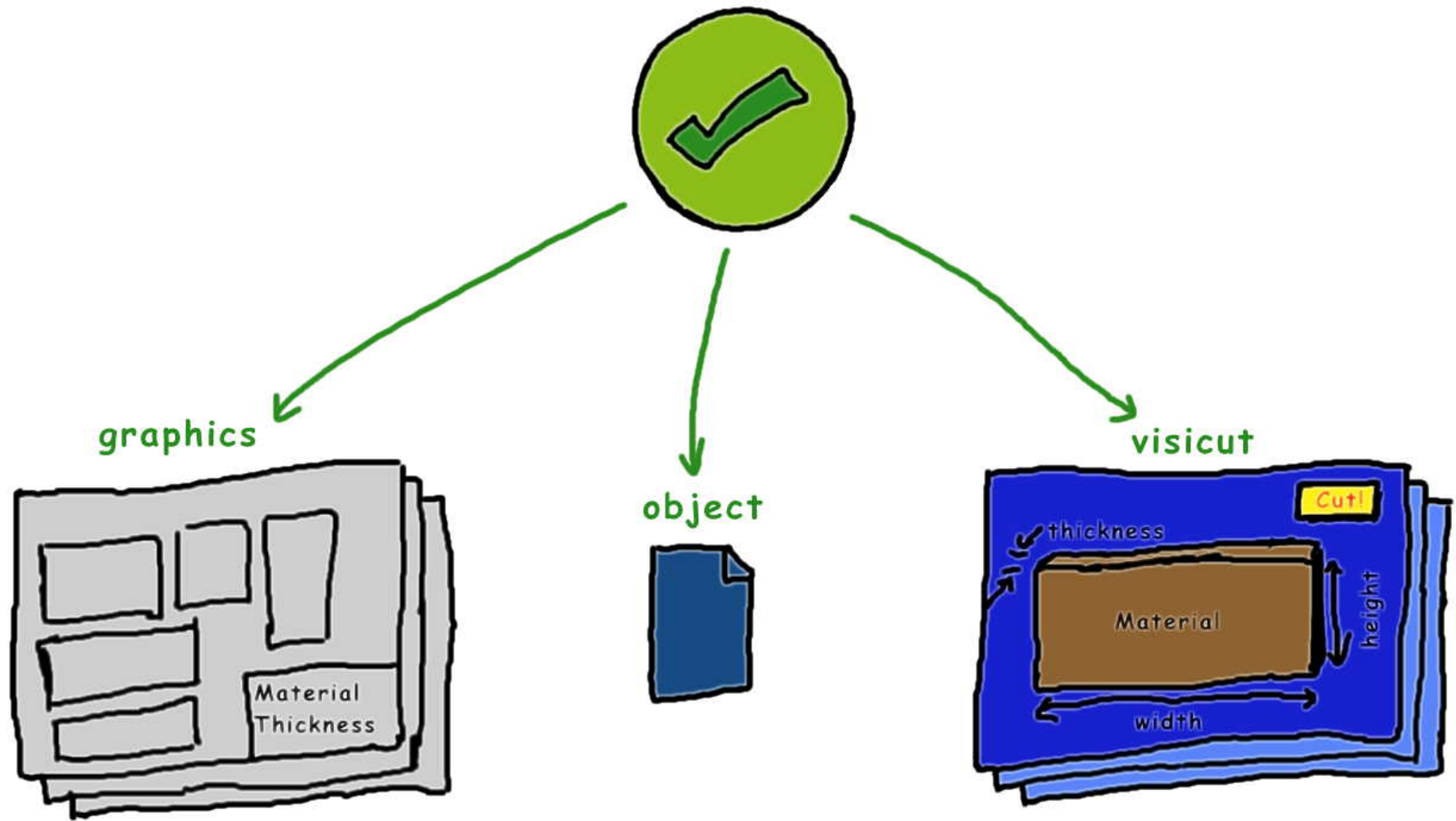


3D



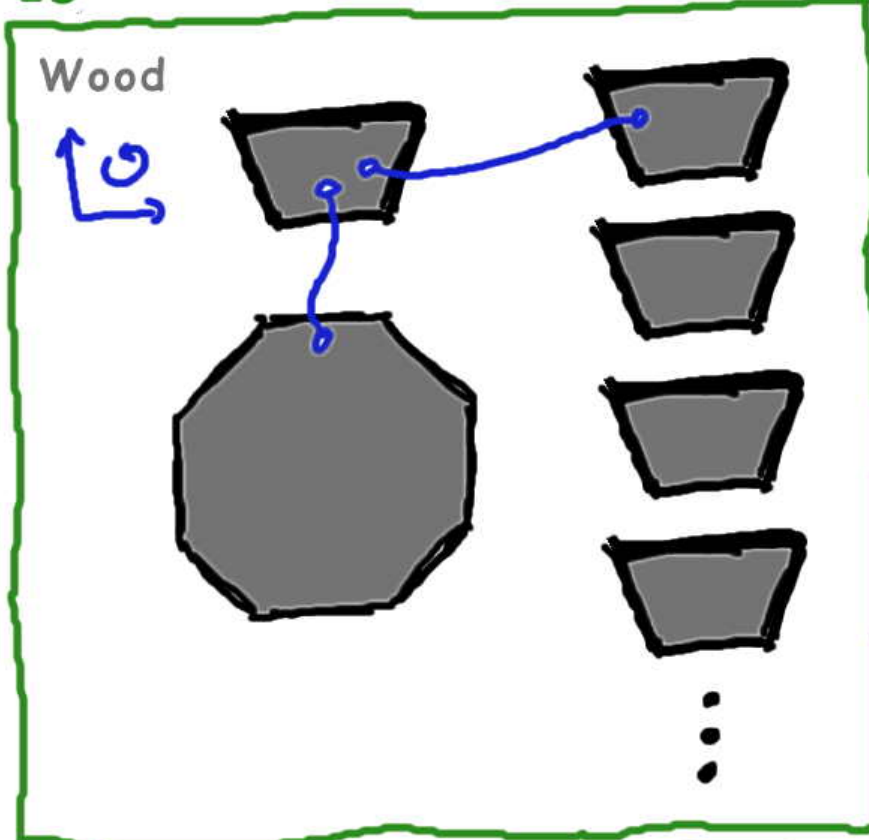
- wrong size
- impossible constraints
- overlapping

M3: Export, Save, Cut

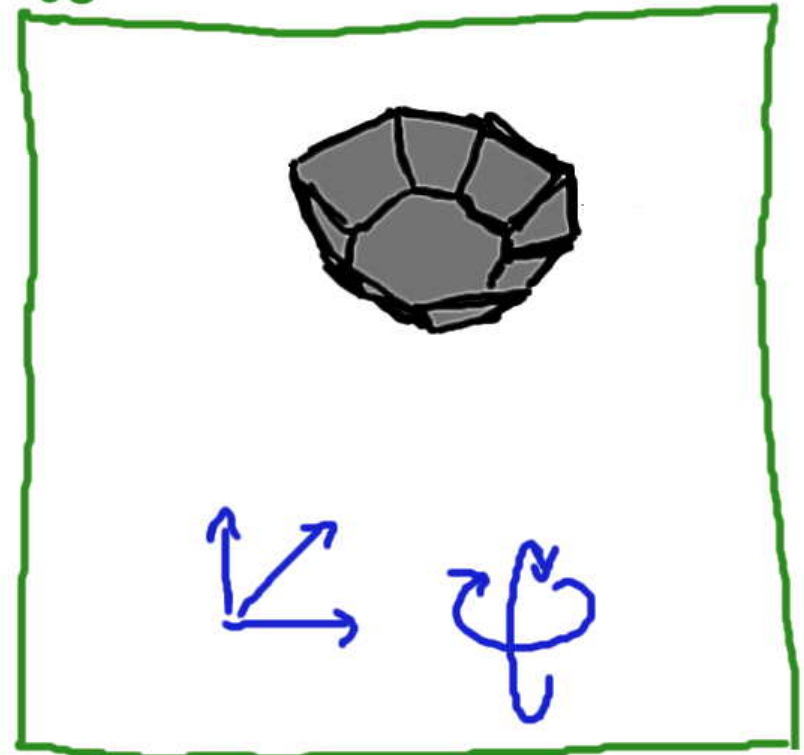


M4: ...More Complex Shapes

2D



3D



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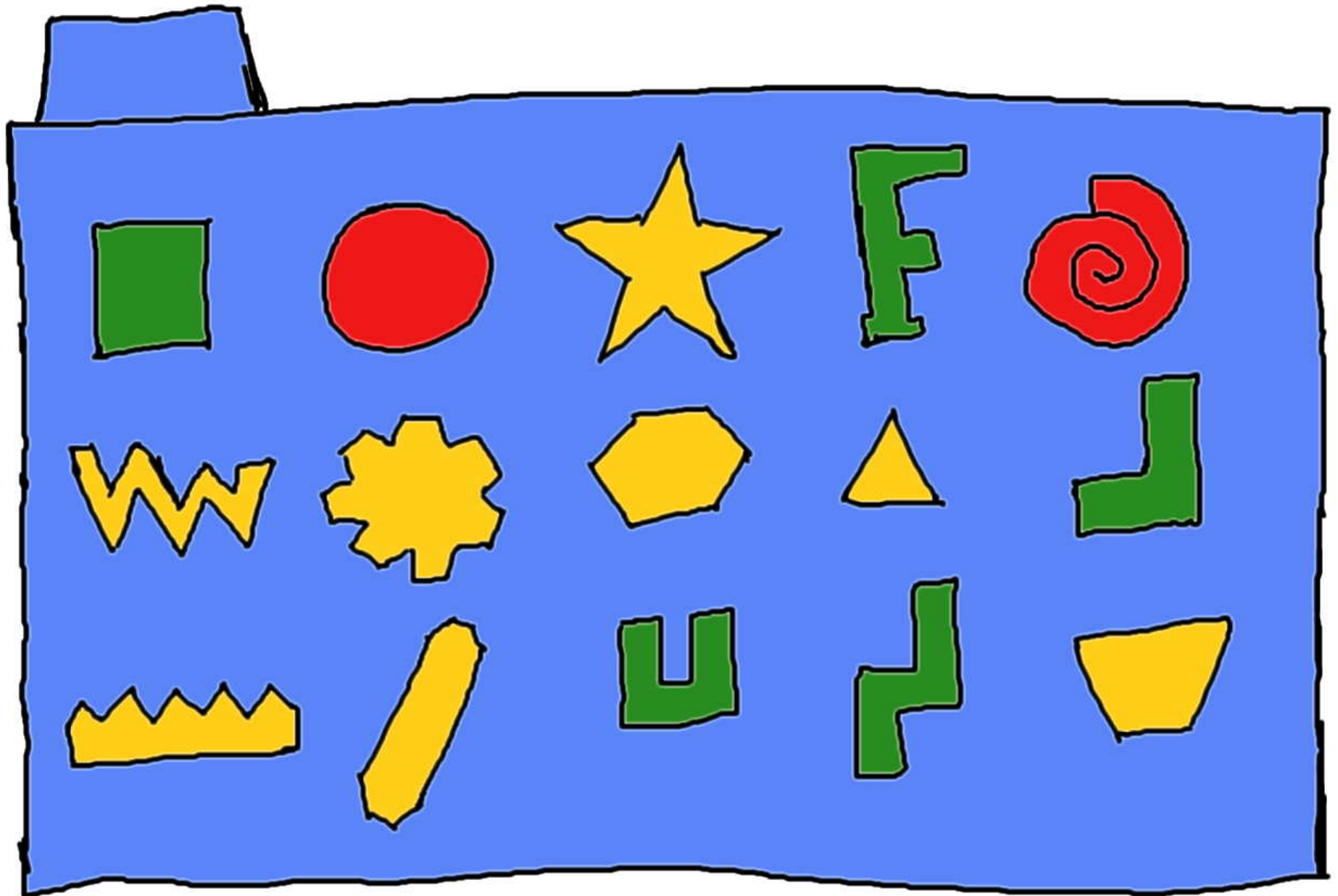
M5: ...Examples & User Guide



<http://www.flickr.com/photos/16937611@N04/>

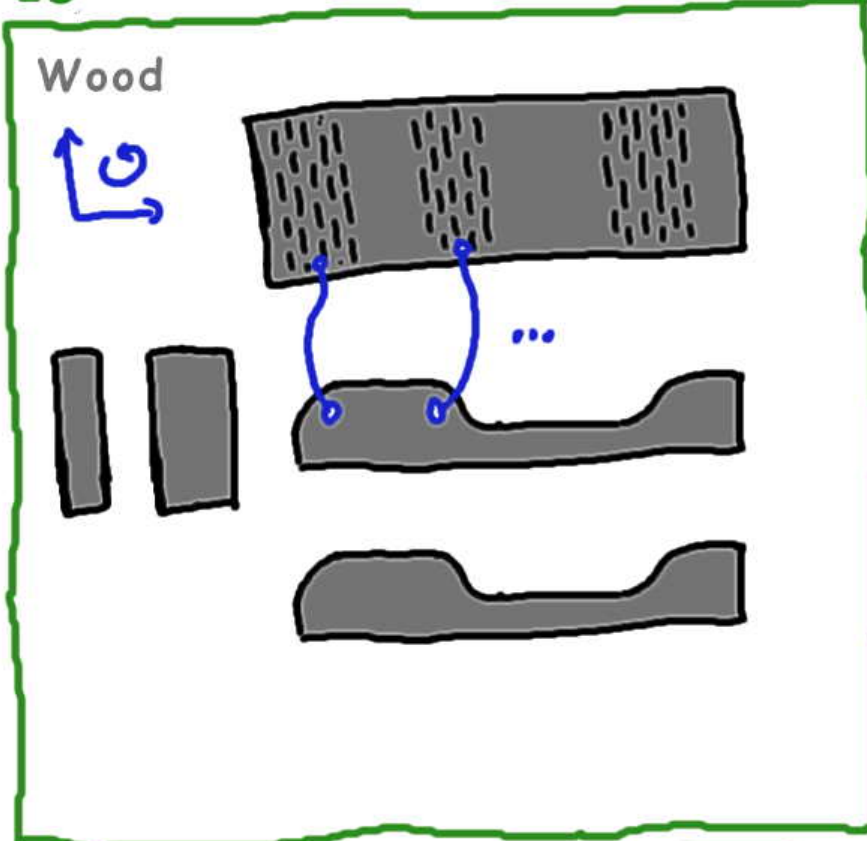


M6: ...Library of Shapes

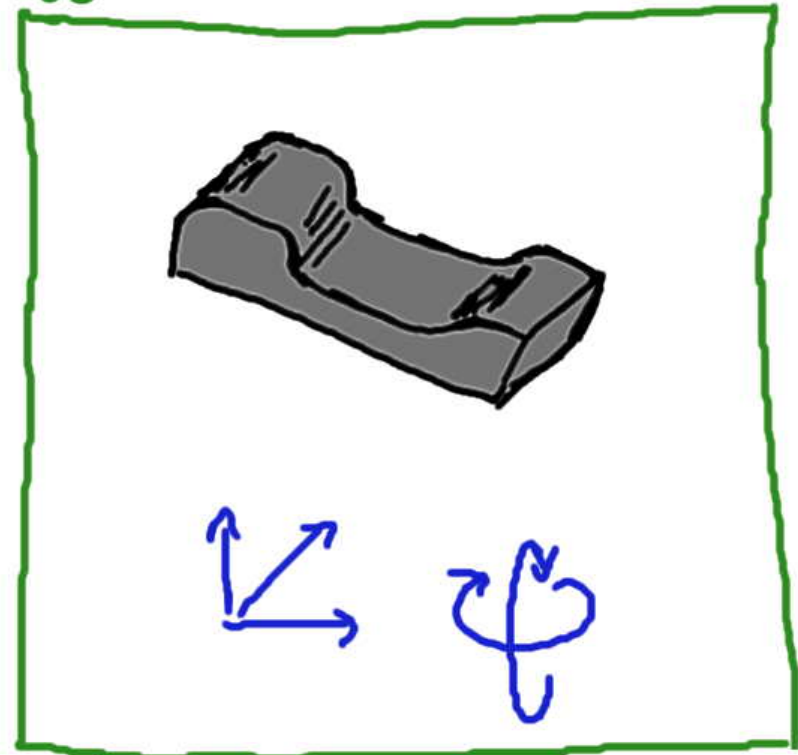


Go Crazy... (future work, M7?)

2D

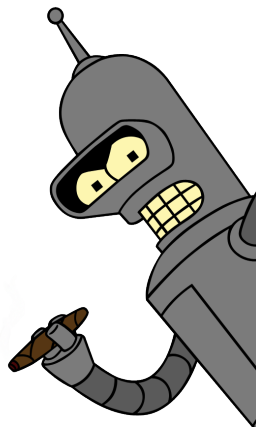


3D

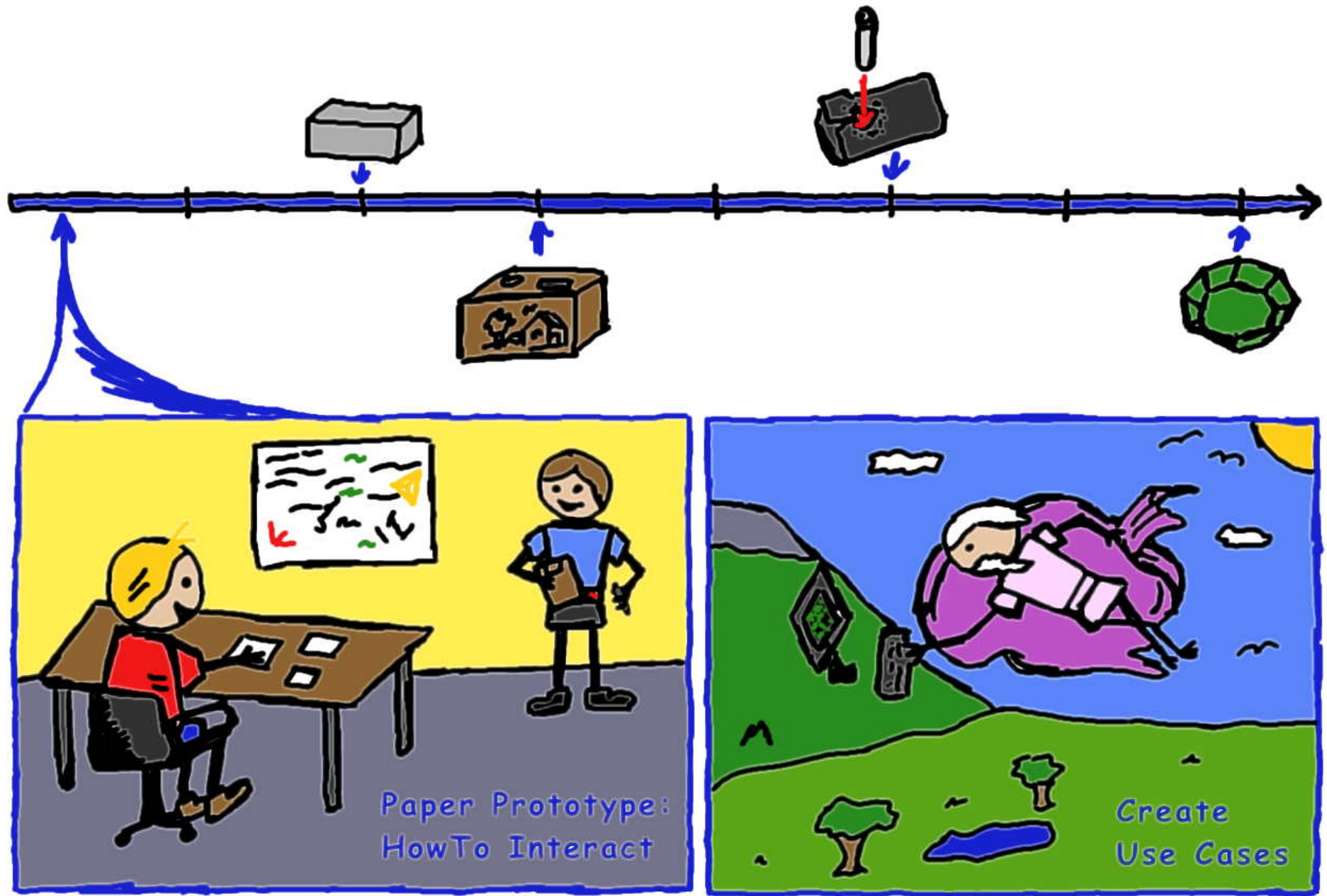


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- Bend it!
(and include FabScan)



Timeline



Tools



Team Responsibilities



Team Management



General Management



Project Management



The rest...

...No volunteer for this part yet...