Media Computing Project

Basic Knowledge and Software
BASIC KNOWLEDGE

Interaction
Bloch’s Law
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Three Human Deadlines

• 0.1 seconds
  • Perception of cause and effect

• 1 second
  • Min. reaction time for unexpected events

• 10 seconds
  • Max. time for one step of a task
No door handle

Knob to pull

Big handles
INFORMATION
Software Ressources
x = 0
y = 10

while x < y:
    if (x % 2) == 0:
        print(str(x) + " is even")
    else:
        print(str(x) + " is odd")
    x += 1
Python Resources

- Download: https://www.python.org/
- Official Docs: https://docs.python.org/3/
- We will use Python 3.9.0.
Software

git

Version Control

Open Source
git Resources

- GitLab (RWTH): https://git.rwth-aachen.de/
Software

Fusion 360
CAD-Software
Autodesk
Fusion 360 Ressources

• Download: https://www.autodesk.com/campaigns/education/fusion-360

• API:
  • Official: https://autodeskfusion360.github.io/
Software

VS Code
Source-Code Editor
Microsoft
Visual Studio Code Resources

- Download: https://code.visualstudio.com/Download
Software

Miro
Collaborative Whiteboard
Miro Ressources

- Official: https://miro.com
ASSIGNMENT

Tasks for next week
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• Install Fusion 360
• Install Python
• Install Visual Studio Code
• Create a GitLab project and invite your supervisor
• Vote for topic
• Elevator pitch