

Homework // 01.04.2023

+ Context +

The entrance exam is about the aspects listed below and how you relate to them. It is not about testing knowledge, but about how you want to deal with these topics and whether you can and, above all, want to deal with them. You don't have to be great in all aspects or have a maximum of experience in them. We see our bachelor's degree as an investment in the future.

We are interested in the following aspects:

- programming skills, knowledge and experience;
- knowledge about as well as motivation and ability to do conceptual, artistic-creative work;
- the ability to recognize, critically evaluate and anticipate social, ethical and economic potential for digital developments;
- individual interest, intrinsic motivation and personal ambition for in-depth (practical) engagement with
- digital visions, innovations, products and services;
- the ability to work on design projects, individually and in teams.

These aspects are rooted directly in the exam regulations and are aimed at the qualifications that you will have with us after completing your bachelor's degree.

>> You <<

and your Motivation:

We are curious about you and your reasons for applying for the study program. We want students with an open mind and curiosity about digital transformation. Please tell us something about yourself and your motivation for studying at Code & Context.

Constraints:

- a 1-page PDF document
- the document not only contains a link or QR code, but your motivation
- PDF document name: **firstname-lastname-motivation.pdf**

Otherwise, you have complete freedom to design as you please. Let your **creativity** run free! We are grateful for fresh visual formats that describe your motivation.

It is certainly helpful to have engaged with the goals of CoCo and the exchange with teachers and students before applying is also possible. (We are happy about every question, by the way.)

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>> Task:

Part 1

We believe that digitization is a design task. How would you like to shape the future?

Develop a scenario for the year 2028 that addresses a future challenge. Create your scenario guided by the 11th Sustainable Development Goal of the United Nations: „[Sustainable Cities & Communities](#)“.

Show us a concrete everyday situation in your future scenario in which a **thing** (anything but smartphones) is used that is both, **digital** and **physical**.

Present your scenario in a film clip of about **three minutes** in which you appear yourself at least once.

Part 2

We'd like to see at least **10 lines** of code you've written yourself. This piece of code can be ...

- part of your scenario,
- part of a different project or
- a result of a tutorial that you have completed.

Please add this code to the end of your video and explain how it works in a maximum of **one minute**.

Tutorials: there are suggestions for online coding tutorials on our website. If you don't have any prior coding experience, we strongly recommend that you try out coding before applying.

Constraints video:

- total clip length about **four minutes**, maximum file size: **700 MB**
- name of clip: **firstname-lastname-2023.fileformat**
- Upload the clip at this URL: <https://th-koeln.sciebo.de/s/ZuTLm5xbWG72hUv>
Password: **coco2023**

If you have any questions, please get in touch with us. On the 26th April (all) and 8th May 2023 (Women / FLINTA* only), Q&A sessions specifically on the topics of applications and homework will be held. You can find more information about this on our website.

We wish you success for your application!

>> Deadline: 01.06.2023

>> Links:

<https://sdgs.un.org/goals/goal11>

<https://th-koeln.sciebo.de/s/ZuTLm5xbWG72hUv>