Demographics

D1: Please enter the study code here:

D2: What is your age (in years)?

D3: What is your sex/gender?

☐ male
☐ female
☐ diverse
☐ don't want to answer

D4: What is your handedness?

☐ left
☐ right
☐ both

D5: Do you have a color vision deficiency?

☐ Yes
☐ No
☐ Don't want to answer

D6: Do you have trouble concentrating or reading ?

	none	very little	little	sometimes	often	very often
Concentration						
Reading						

D7: What is currently your profession?

☐ University student (undergraduate, bachelor)
☐ University student (graduate, master)
☐ University employee (PhD, postdoc, professor)
☐ Professional programmer, developer
☐ Other: _____

D8: What is your formal education in computer science, software engineering?

☐ No formal qualification, self-taught
☐ Vocational training program, course
☐ University degree (undergraduate, bachelor level)

☐ University degree (graduate, master level)
☐ University degree (graduate, PhD level)
☐ Other: _____

Programming Experience Questionnaire

Part 1: On Programming Education

Q1.1: How many years have you worked at a company or studied in a tech-related field?

☐ 0 - 5 years
☐ 5 - 10 years
☐ 10 - 15 years
☐ ≥ 15 years

Q1.2: How long have you been learning programming (in years)?

_____ years/Jahre

Q1.3: How long have you been programming professionally (in years)?

_____ years/Jahre

Part 2: On Programming Languages and Paradigms

Q2.1: Which programming languages are you familiar with?

Q2.2: Which programming language did you learn first?

Q2.3: If your first programming language was a graphical language (i.e. Scratch) what was the first textual programming language you learned?

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Q2.4: Please list the first five programming languages you learned in the order you learned them and the approximate amount of time between learning them.

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Q2.5: Which programming languages are you most experienced in?

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Q2.6: Which programming language(s) are you currently working with?

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Q2.7: How many years have you been programming in Java?

_____ years

Q2.8: How experienced are you with the following programming paradigms?

	very inexperienced	inexperienced	mediocre	experienced	very experienced
logical (Prolog)	☐	☐	☐	☐	☐
functional (Haskell)	☐	☐	☐	☐	☐
imperative (C)	☐	☐	☐	☐	☐
object-oriented (Java)	☐	☐	☐	☐	☐

Q2.9: How do you estimate your programming experience with other students in your study year and programmers with 10 years of experience?

	much worse	worse	identical	better	much better
Other Students	☐	☐	☐	☐	☐
Programmers	☐	☐	☐	☐	☐

Part 3: On General Interest in Programming

Q3.1: Which of the following technical/programming specific content do you regularly <u>consume</u>?

- ☐ Online Courses/Seminars
- ☐ Video Tutorials (Youtube,...)
- ☐ Articles / Books
- ☐ Tech News
- ☐ Other: _____
- ☐ None

Q3.2: Which of the following technical/programming specific content have you <u>produced</u> in the past?

- ☐ Online Courses/Seminars
- ☐ Video Tutorials (Youtube,...)
  - → Do you produce video (tutorial) content on a regular basis? Yes _____ No _____

- ☐ Articles / Books
- ☐ Contribution to open-source projects
  - → If yes:
    - How many Open-Source projects have you worked on so far? _____
    - How many lines of code did these projects have on average? _____

- ☐ own software (for private use or in the form of a software product etc.)
  - → If yes:
    - How many private projects have you worked on so far? _____
    - How many hours per project on average? _____

- ☐ Other: _____
- ☐ None

Q4.1: How much time do you typically spend on the following activities per week?

Total work time per week (in hours): _____h
(We need this value to calculate the percentages of the following values.)

☐ Meetings: _____h
☐ Code reviews/Process _____h
☐ Programming _____h
☐ Tests _____h
☐ Deploy/Operations _____h
☐ Mentoring _____h
☐ Learning/Training _____h
☐ Other:_____

Q4.2: Your primary development includes (check all that apply)
☐ Apis
☐ Front-end
☐ UI design
☐ Automation testing
☐ Database
☐ Data analysis
☐ Configuration management and orchestration
☐ CI/CD
☐ Security
☐ Other:

_____