ET-PoC-Study

Post-Questionnaire

1. How easy/hard did you experience the program comprehension tasks?

Very Easy	Easy	Neutral	Hard	Very Hard
☐	☐	☐	☑	☐

Optional Comment:

- it's difficult to not knowing the variable names
- some variable names are too long to remember in their next call
- the function names are also hidden, make it difficult to guess what the function body implements

2. How do you feel after the study?

Very Exhausted	Exhausted	Neutral	Energetic	Very Energetic
☐	☑	☐	☐	☐

Optional Comment:

- my eyes got tired after focusing on a certain point for too long
- have to both remember the variable names and run algorithm in my head

3. You are presented with the displayed code snippets. Which of the excerpts did you find particularly easy/difficult? Why?

   Please annotate them on the pages themselves.

4. How do your problem-solving strategies change with the code snippets?

- after time i noticed the code are not newly implemented, they are just common algorithms, so i try to match patterns that i detected from the code and matched it with common algorithms i remember

SE 🦉 Lehrstuhl für Software Engineering
Saarland Informatics Campus
Universität des Saarlandes

UNIVERSITÄT
DES
SAARLANDES

5. Did you detect any changes in yourself in comprehending the code snippets? If so, what did this change look like?

> - I focus more on the data type given in the function name to guess what will those data be dealt with in the function body

6. Did **Type Annotations** (**number: int** instead of *number*) help you comprehend the code snippets?

Yes	No
☑	☐

How did they help? Please elaborate.

> - I used it to guess what will those data be dealt with in the function body
> - And to match with common algorithms i remembered

7. Beyond this study, do Type Annotations help you comprehend code in general?

Yes	No
☑	☐

Why? Please elaborate.

> - In general, yes, it helps me speed up my code reading and understanding process, as i have more information to guess with the function will do

8. Were earlier or later code snippets easier for you to comprehend?

> - The later is easier

Lehrstuhl für Software Engineering
Saarland Informatics Campus
Universität des Saarlandes

UNIVERSITÄT
DES
SAARLANDES

9. Do you have any suggestions or ideas for improvement for us?

- Add a likert scale of the code difficulty right in the questionnaires, after the participant complete answering the output