Post-study Questionnaire

In the two tasks, you have investigated and used two tools, ExampleRefiner and PatternRefiner, to analyze a dataset of code examples using an API.
In one task, you have looked for a specific secure use of Cipher, in which a strong transformation is used along with appropriate exception handling. In the other task, you looked for insecure uses of KeyPairGenerator used with SecureRandom, when the system time, which is predictable, is used as a seed.

Not shared

* Indicates required question

What is your participant ID? *

Your answer

Which tool made it easier to understand the code examples? *

	1	2	3	4	5	6	7	
ExampleRefiner	○	○	○	○	○	○	○	PatternRefiner

Why? *

Your answer

How confident are you in your answers using ExampleRefiner? *

	1	2	3	4	5	6	7	
Least Confident	○	○	○	○	○	○	○	Most Confident

How confident are you in your answers using PatternRefiner? *

	1	2	3	4	5	6	7	
Least Confident	○	○	○	○	○	○	○	Most Confident

Explain your responses to the above two questions *

Your answer

The metrics, representativeness and informativeness, were useful for selecting features? *

	1	2	3	4	5	6	7	
Strongly Disagree	○	○	○	○	○	○	○	Strongly Agree

The impact analysis of the features (through the comparison of code examples that match and do not match the feature) was useful *

	1	2	3	4	5	6	7	
Strongly Disagree	○	○	○	○	○	○	○	Strongly Agree

The What-If analysis comparing a pair of features was useful? *

	1	2	3	4	5	6	7	
Strongly Disagree	○	○	○	○	○	○	○	Strongly Agree

Viewing the examples in the context of the features in the pattern (through either the Impact Analysis or What-If Analysis) was more useful than inspecting individual examples presented independently *

	1	2	3	4	5	6	7	
Strongly Disagree	○	○	○	○	○	○	○	Strongly Agree

Organizing the features by their structural relationship (e.g. all caught exceptions were organized in `// catch`) to the pattern made it easy to compare features *

	1	2	3	4	5	6	7	
Strongly Disagree	○	○	○	○	○	○	○	Strongly Agree

Explain your answers to the five questions above

Your answer

How easy was it to use PatternRefiner? *

	1	2	3	4	5	6	7	
Difficult	○	○	○	○	○	○	○	Easy

How easy was it to use ExampleRefiner? *

	1	2	3	4	5	6	7	
Difficult	○	○	○	○	○	○	○	Easy

Describe your workflow in PatternRefiner for answering the questions and refining the pattern *

Your answer

Describe your workflow in ExampleRefiner for answering the questions and refining the pattern (including what information/patterns in the code were you looking out for?) *

Your answer

What tools or features do you wish you had to understand the code examples?

Your answer

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