

Usability Evaluation

* Gibt eine erforderliche Frage an

1. Participant ID *

Format: UOB05.

Usability of Coding Environment 1

For the type of task that you have performed, evaluate the usability of the features you have used. Coding Environment 1 refers to the particular features you have used during the tasks. Not the full Eclipse environment.

2. This task was difficult. *

Markieren Sie nur ein Oval.

1 2 3 4 5

Stro ☐ ☐ ☐ ☐ ☐ Strongly Agree

3. This task was fun. *

Markieren Sie nur ein Oval.

1 2 3 4 5

Stro ☐ ☐ ☐ ☐ ☐ Strongly Agree

4. I think I solved this task correctly. *

Markieren Sie nur ein Oval.

	1	2	3	4	5	
Stro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly Agree

5. I think I solved this task securely. *

Markieren Sie nur ein Oval.

	1	2	3	4	5	
Stro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly Agree

6. Have you written or seen code for tasks similar to this one before? For example, maybe you worked on a project that included a similar task, but someone else wrote that portion of the code. *

Markieren Sie nur ein Oval.

- ☐ I have written similar code
- ☐ I have seen similar code, but have not written it myself
- ☐ No, neither
- ☐ I don't know
- ☐ I prefer not to say.

7. In the context of this task, If I had to do the task frequently, I think that I would use Coding Environment 1 frequently. *

Markieren Sie nur ein Oval.

	1	2	3	4	5	
Stro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly Agree

8. In the context of this task, I found Coding Environment 1 unnecessarily complex. *

Markieren Sie nur ein Oval.

	1	2	3	4	5	
Stro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly Agree

9. In the context of this task, I found Coding Environment 1 easy to use. *

Markieren Sie nur ein Oval.

	1	2	3	4	5	
Stro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly Agree

10. In the context of this task, I would need the support of a technical person to use Coding Environment 1. *

Markieren Sie nur ein Oval.

	1	2	3	4	5	
Stro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly Agree

11. In the context of this task, I found the various functions in Coding Environment 1 were well integrated. *

Markieren Sie nur ein Oval.

1 2 3 4 5

Stro ☐ ☐ ☐ ☐ ☐ Strongly Agree

12. In the context of this task, I thought there was too much inconsistency in Coding Environment 1. *

Markieren Sie nur ein Oval.

1 2 3 4 5

Stro ☐ ☐ ☐ ☐ ☐ Strongly Agree

13. In the context of this task, I would imagine that most people would learn to use Coding Environment 1 very quickly. *

Markieren Sie nur ein Oval.

1 2 3 4 5

Stro ☐ ☐ ☐ ☐ ☐ Strongly Agree

14. In the context of this task, I found Coding Environment 1 very cumbersome to use. *

Markieren Sie nur ein Oval.

1 2 3 4 5

Stro ☐ ☐ ☐ ☐ ☐ Strongly Agree

15. In the context of this task, I felt confident using Coding Environment 1. *

Markieren Sie nur ein Oval.

1 2 3 4 5

Stro ☐ ☐ ☐ ☐ ☐ Strongly Agree

16. In the context of this task, I needed to learn a lot of things before I could get going with Coding Environment 1. *

Markieren Sie nur ein Oval.

1 2 3 4 5

Stro ☐ ☐ ☐ ☐ ☐ Strongly Agree

17. Based on the last task, please how likely you would recommend the coding environment to a fellow programmer.

Markieren Sie nur ein Oval.

0 1 2 3 4 5 6 7 8 9 10

☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

18. Please provide additional feedback about what you found useful or not useful in coding environment 1. Please provide concrete examples when possible. *

Usability of Coding Environment 2

For the type of task that you have performed, evaluate the usability of the features you have used. Coding Environment 2 refers to the particular features you have used during the tasks. Not the full Eclipse environment.

19. This task was difficult. *

Markieren Sie nur ein Oval.

	1	2	3	4	5	
Stro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly Agree

20. This task was fun. *

Markieren Sie nur ein Oval.

	1	2	3	4	5	
Stro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly Agree

21. I think I solved this task correctly. *

Markieren Sie nur ein Oval.

	1	2	3	4	5	
Stro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly Agree

22. I think I solved this task securely. *

Markieren Sie nur ein Oval.

1 2 3 4 5

Stro ☐ ☐ ☐ ☐ ☐ Strongly Agree

23. Have you written or seen code for tasks similar to this one before? For example, maybe you worked on a project that included a similar task, but someone else wrote that portion of the code. *

Markieren Sie nur ein Oval.

- ☐ I have written similar code
- ☐ I have seen similar code, but have not written it myself
- ☐ No, neither
- ☐ I don't know
- ☐ I prefer not to say.

24. In the context of this task, If I had to do the task frequently, I think that I would use Coding Environment 2 frequently. *

Markieren Sie nur ein Oval.

1 2 3 4 5

Stro ☐ ☐ ☐ ☐ ☐ Strongly Agree

25. In the context of this task, I found Coding Environment 2 unnecessarily complex. *

Markieren Sie nur ein Oval.

1 2 3 4 5

Stro ☐ ☐ ☐ ☐ ☐ Strongly Agree

26. In the context of this task, I found Coding Environment 2 easy to use. *

Markieren Sie nur ein Oval.

1 2 3 4 5

Stro ☐ ☐ ☐ ☐ ☐ Strongly Agree

27. In the context of this task, I would need the support of a technical person to use Coding Environment 2. *

Markieren Sie nur ein Oval.

1 2 3 4 5

Stro ☐ ☐ ☐ ☐ ☐ Strongly Agree

28. In the context of this task, I found the various functions in Coding Environment 2 were well integrated. *

Markieren Sie nur ein Oval.

1 2 3 4 5

Stro ☐ ☐ ☐ ☐ ☐ Strongly Agree

29. In the context of this task, I thought there was too much inconsistency in Coding Environment 2. *

Markieren Sie nur ein Oval.

1 2 3 4 5

Stro ☐ ☐ ☐ ☐ ☐ Strongly Agree

30. In the context of this task, I would imagine that most people would learn to use Coding Environment 2 very quickly. *

Markieren Sie nur ein Oval.

1 2 3 4 5

Stro ☐ ☐ ☐ ☐ ☐ Strongly Agree

31. In the context of this task, I found Coding Environment 2 very cumbersome to use. *

Markieren Sie nur ein Oval.

1 2 3 4 5

Stro ☐ ☐ ☐ ☐ ☐ Strongly Agree

32. In the context of this task, I felt confident using Coding Environment 2. *

Markieren Sie nur ein Oval.

1 2 3 4 5

Stro ☐ ☐ ☐ ☐ ☐ Strongly Agree

33. In the context of this task, I needed to learn a lot of things before I could get going with Coding Environment 2. *

Markieren Sie nur ein Oval.

1 2 3 4 5

Stro ☐ ☐ ☐ ☐ ☐ Strongly Agree

34. Based on the last task, please how likely you would recommend the coding environment to a fellow programmer.

Markieren Sie nur ein Oval.

0 1 2 3 4 5 6 7 8 9 10

☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

35. Please provide additional feedback about what you found useful or not useful in coding environment 2. Please provide concrete examples when possible. *

Usability Evaluation - Demographics

36. What is your current occupation? *

37. How many years have you been programming in Java? *

38. How many years have you been coding in general? *

39. How did you learn to code? [check all that apply] *

Wählen Sie alle zutreffenden Antworten aus.

- ☐ Self-taught
- ☐ Online class
- ☐ College
- ☐ On-the-job training
- ☐ coding
- ☐ Sonstiges:

40. Which coding environment do you primarily use (name of the IDE or text editor)? *

41. Is programming your primary job? *

Markieren Sie nur ein Oval.

- ☐ Yes
- ☐ No
- ☐ I prefer not to say.

42. Is writing Java code (part of) your job? *

Markieren Sie nur ein Oval.

☐ Yes

☐ No

☐ I prefer not to say.

43. Do you have an IT-security background? *

Markieren Sie nur ein Oval.

☐ Yes

☐ No

☐ I prefer not to say.

44. If you answered yes in the previous question, please specify.

45. Are you currently using the Eclipse IDE? *

Markieren Sie nur ein Oval.

☐ Yes

☐ No

46. How long have you been using the Eclipse IDE? (in years) *

47. Which of the following options do describe your experience with cryptography best? *

Markieren Sie nur ein Oval.

- ☐ I have never used cryptography during software development.
- ☐ I invented my own cryptographic algorithm or protocol.
- ☐ I implemented a cryptographic algorithm or protocol.
- ☐ I occasionally use cryptographic APIs or libraries during software development.
- ☐ I don't know.
- ☐ I prefer not to say.

48. Have you taken a computer security class or course in the last five years? *

Markieren Sie nur ein Oval.

- ☐ Yes.
- ☐ No.
- ☐ I prefer not to say.

49. If you answered yes in the previous question, please specify.

50. Please tell us your highest degree of education? *

Markieren Sie nur ein Oval.

- ☐ Less than high school
- ☐ High school graduate
- ☐ Some college
- ☐ 2 year degree
- ☐ 4 year degree
- ☐ Professional Degree
- ☐ Ph.D.
- ☐ Prefer not to say.
- ☐ Sonstiges: _____

51. Please tell us your gender. ("na" for "prefer not to say.") *

52. How old are you? *

53. What country do you live in? *

54. What is your native language? *

55. What other languages are you fluent in (if any)? *

56. Please provide any additional feedback for the study you have.

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