

Participants Characterization Questionnaire

This questionnaire aims to collect personal and professional information from participants on software development activities.

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* Required

Personal Information

1. Name *

2. Email *

Formal Education

3. Select your highest academic degree: *

Mark only one oval.

☐ Technologist

☐ Graduate

☐ Master

☐ PhD

☐ Other

General Information

Software Development Experience Information

In the context of our experiment, the term industry means development of real software projects.

4. Experience with software development (in years): *

Project experience

5. Mark the systems that you have heard about:

Check all that apply.

- ☐ Apache OODT
- ☐ Derby
- ☐ Health Watcher
- ☐ Mobile Media
- ☐ Tomcat

6. Which of the previous systems have you ever read the source code?

Check all that apply.

- ☐ Apache OODT
- ☐ Derby
- ☐ Health Watcher
- ☐ Mobile Media
- ☐ Tomcat

Familiarity

Source Code Metrics

7. Are you familiar with the term Source code metrics? *

Mark only one oval.

- ☐ Yes
- ☐ No

Code Smells

8. Are you familiar with the term Code Smells (Code Anomalies)? *

Mark only one oval.

- ☐ Yes
- ☐ No

Software Design

"Software Design: The overall organization of functionalities into methods, classes, relationships and components (or packages)." Given the provided definition for software design, answer the question below:

9. Have you ever been responsible for design decisions on any object-oriented system?*Mark only one oval.*

- ☐ Yes
- ☐ No

Design Problems

10. Are you familiar with the term Design Problems? **Mark only one oval.*

- ☐ Yes
- ☐ No

Experiences

Based in your professional and academic experience, please inform how do you perceive your experience level in the following context:

11. Source code metrics **Mark only one oval.*

- ☐ I don't have experience
- ☐ Very Low
- ☐ Low
- ☐ High
- ☐ Very High

12. Based in your professional and academic experience, please inform how do you perceive your experience level in Code Smells (Code Anomalies) **Mark only one oval.*

- ☐ I don't have experience
- ☐ Very Low
- ☐ Low
- ☐ High
- ☐ Very High

13. Based in your professional and academic experience, please inform how do you perceive your experience level in Software Design *

"Software Design: The overall organization of functionalities into methods, classes, relationships and components (or packages)."

Mark only one oval.

- ☐ I don't have experience
- ☐ Very Low
- ☐ Low
- ☐ High
- ☐ Very High

14. **Based in your professional and academic experience, please inform how do you perceive your experience level in Design Pattern ***

Mark only one oval.

- ☐ I don't have experience
- ☐ Very Low
- ☐ Low
- ☐ High
- ☐ Very High

15. **Based in your professional and academic experience, please inform how do you perceive your experience level in Object-Oriented Development ***

Mark only one oval.

- ☐ I don't have experience
- ☐ Very Low
- ☐ Low
- ☐ High
- ☐ Very High

16. **Based in your professional and academic experience, please inform how do you perceive your experience level in Design Problems ***

Mark only one oval.

- ☐ I don't have experience
- ☐ Very Low
- ☐ Low
- ☐ High
- ☐ Very High

17. **Based in your professional and academic experience, please inform how do you perceive your experience level in Java Programming Language ***

Mark only one oval.

- ☐ I don't have experience
- ☐ Very Low
- ☐ Low
- ☐ High
- ☐ Very High

18. Based in your professional and academic experience, please inform how do you perceive your experience level in Eclipse IDE **Mark only one oval.*

- ☐ I don't have experience
- ☐ Very Low
- ☐ Low
- ☐ High
- ☐ Very High

Experiences

Please, answer the following questions using integers (0, 1, 2, 3...) . The answers should be given based on your professional experience, which may include academic and industrial projects. You should answer how many years of experience and in how many projects you have worked on to each one of the following contexts:

Code Smells (Code Anomalies)

19. Number of years *

20. Number of projects in total *

21. Number of projects in the industry *

Object-Oriented Development

22. Number of years *

23. Number of projects in total *

24. Number of projects in industry *

Design Patterns

25. Number of years *

26. Number of projects in total *

27. Number of projects in industry *

Design Problems

28. Number of years *

29. Number of projects in total *

30. Number of projects in industry *

Java Programming Language

31. Number of years *

32. Number of projects in total *

33. Number of projects in industry *

Eclipse IDE

34. Number of years *

35. Number of projects in total *

36. Number of projects in industry *

Thank you for your cooperation!

