**User Experience and Tool Usability Questionnaire**

Response ID: 06

This questionnaire was designed to gather user feedback on the usability and effectiveness of the SOFL-ASMAT.

Respondent Profile

\* 1. What is your highest level of education (please select the highest level, including those currently in progress)?

Master’s degree

\* 2. What is your current occupation?

Student

\* 3. How many years of experience do you have in software development?

0-2 years

\* 4. How familiar are you with SOFL formal specifications?

Intermediate

\* 5. Have you previously used automated tools for software maintainability assessment?

No

\* 6. Are you familiar with the ATM system used in this experiment?



[Likert-scale item]

Neutral（3）

Tool Usability and User Experience

\* 7. Do you think it is easy to find the navigation bar in the interface and use the tool? [Likert-scale item]

图形用户界面, 树状图

AI 生成的内容可能不正确。

Agree（4）

\* 8. Are you satisfied with the clarity and completeness of the instructions provided in the tool’s navigation menu? [Likert-scale item] 图形用户界面, 应用程序, Teams

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Satisfied（4）

Interface and Interaction

\* 9. Do you find the tool’s metric interface intuitive? [Likert-scale item] 图形用户界面, 应用程序

AI 生成的内容可能不正确。

Strongly Agree（5）

\* 10. Do you find the visualization of metric data helpful in assessing maintainability? [Likert-scale item]

图形用户界面, 应用程序

AI 生成的内容可能不正确。

Strongly Agree（5）

Efficiency

\* 11. How long does it take you to assess the maintainability of SOFL specifications (around 1000 lines)?

Have not conducted a maintainability assessment

12. Why have you not conducted a maintainability assessment?

Because other software quality metrics, such as reliability, are more important

\* 12. Based on your experience, how would you rate the tool’s efficiency in assessing the maintainability of SOFL specifications? [Likert-scale item] 图形用户界面, 表格

AI 生成的内容可能不正确。

Very Satisfied（5）

\* 13. Do you think this tool has saved you time compared to manual evaluation? [Likert-scale item]

Strongly Agree（5）

Practicality

\* 14. Do you find the tool useful in assessing the maintainability of SOFL specifications?

[Likert-scale item]

图形用户界面, 文本, 应用程序

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Useful（4）

\* 15. Would you recommend this tool to other developers or teams? [Likert-scale item]

Probably Yes（4）

\* 16. Overall, do you think the tool satisfied your needs? [Likert-scale item

Very Satisfied（5）

17. What do you think are the advantages and disadvantages of this tool? (Open-ended)

(No valid responses)