

Intino Usability Study

Welcome to this usability study. The purpose of this study is to evaluate the usability, effectiveness, and user experience of Intino method through Quassar, a tool designed to facilitate the creation of domain-specific modeling languages (DSMLs). You will be asked to complete a metamodeling task using the tool and then answer a series of questions regarding your experience.

The study is part of an academic research project and will take approximately one hour. Your participation is voluntary, and all responses will be treated anonymously and used only for research purposes. You may withdraw from the study at any time without penalty.

By continuing, you confirm that you have read and understood the informed consent and agree to participate in this study.

Thank you for your time and contribution!

* Indica que la pregunta es obligatoria

1. Correo *

Informed Consent Document

1. Purpose of the research study

You are invited to participate in a research study conducted by Octavio Roncal and colleagues to evaluate the usefulness of a DSL creation tool in the performance of a metamodeling task. During the study, you will be provided with the necessary training material to use the tool. At the end of the experiment, usability will be assessed through a questionnaire, and the completeness of the model created and the time required to complete the task will also be evaluated. It is assumed that you are familiar with Model-Driven Engineering (MDE) techniques or other modeling tools such as UML. If you do not understand the purpose of the experiment, please feel free to ask the research staff.

2. What you will do in the study

During the study, you will be asked to construct a metamodel of a language that describes the process involved in smart contracts between stakeholders. If you work in or know someone who works in the domain of the case study, please inform the research staff.

3. Post-study information and compensation

This task will have no impact on your final grade in this or any other course in which you are currently enrolled. You will not receive any compensation for your time other than your participation in the study. Your participation is entirely voluntary. At the end of the experiment, you will be informed of the full purpose of the study and provided with a reference solution that we consider valid for the task.

4. Required time and anonymity

The experiment will take approximately 1 hour of your time. You have the right to withdraw from the study at any time without penalty. During the experiment, you will be asked to complete a set of questionnaires. Some questions will be about your personal profile (e.g., educational background) for statistical purposes. All collected data will be used solely for research purposes, and anonymity is guaranteed. If you wish to withdraw during the experiment, please inform the research staff and leave the room. If you wish to withdraw after submitting your responses, please contact the research staff.

5. Consent signature

By choosing to continue with the experiment, you give your informed and voluntary consent to participate in this research study. A copy of this consent and the collected results will be retained for our records.

2. I agree to participate in the research study described above. *

Selecciona todos los que correspondan.

 Yes

Demographic Questionnaire

This questionnaire collects demographic information to better understand the background and experience of participants in the Quassar usability study. Your responses will remain confidential and will be used solely for research purposes. Please answer honestly and select the option that best represents you.

3. Please indicate your age *

4. Please indicate your gender (select one):

Marca solo un óvalo.

- Woman
 Man

5. Please indicate your level of education (select one): *

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- Undergraduate student
 Graduated
 Master's student
 PhD student
 PhD (completed)

6. Have you studied any computing-related field? *

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- Yes
 No

7. What is your current level of English?

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- Beginner (A1)
- Elementary (A2)
- Intermediate (B1)
- Upper-Intermediate (B2)
- Advanced (C1)
- Proficient (C2)

8. You are currently working in... *

Selecciona todos los que correspondan.

- Teaching
- Industry
- Research center
- Student

9.

Please indicate your experience (in years) in software development: *

10.

Please indicate your experience (in years) modeling languages *

Marca solo un óvalo.

1 2 3 4 5

Begi Expert

11. Rate your knowledge of modeling: *

Marca solo un óvalo.

1 2 3 4 5

Begi Expert

12. Rate your level of experience in meta-modeling *

Marca solo un óvalo.

1 2 3 4 5

Begi Expert

Quassar Usability and Utility Evaluation

This form aims to collect your feedback on the Intino method after completing the experimental task of building a metamodel and use it. The information gathered will be used exclusively for academic research purposes.

The form is divided into three sections:

1. **General Usability Questionnaire (SUS):** Evaluates your overall perception of the platform's ease of use.
2. **Feature-Specific Questionnaire:** Focused on key aspects such as accessibility, integration, and collaboration.
3. **Open-Ended Questions:** Space to share additional observations, suggestions, or comments about your experience.

Please answer honestly based on your experience. There are no right or wrong answers. Completing the form will take approximately 5–10 minutes.

General Usability Questionnaire (SUS)

This section uses the System Usability Scale (SUS), a standardized tool for assessing software usability. Please rate each statement on a scale from **1 (Strongly Disagree)** to **5 (Strongly Agree)**.

13. I think I would like to use this platform frequently *

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1 2 3 4 5

Stro Strongly Agree

14. I found the tool unnecessarily complex *

Marca solo un óvalo.

1 2 3 4 5

Stro Strongly Agree

15. I thought the tool was easy to use *

Marca solo un óvalo.

1 2 3 4 5

Stro Strongly Agree

16. I think that I would need the support of a technical person to be able to use this platform

Marca solo un óvalo.

1 2 3 4 5

Stro Strongly Agree

17. I found the various functions in this platform were well integrated *

Marca solo un óvalo.

1 2 3 4 5

Stro Strongly Agree

18. I thought there was too much inconsistency in this system

Marca solo un óvalo.

1 2 3 4 5

Stro Strongly Agree

19. I would imagine that most people would learn to use this tool very quickly *

Marca solo un óvalo.

1 2 3 4 5

Stro Strongly Agree

20. I found the app very cumbersome to use *

Marca solo un óvalo.

1 2 3 4 5

Stro Strongly Agree

21. I felt very confident using the tool *

Marca solo un óvalo.

1 2 3 4 5

Stro Strongly Agree

22. I needed to learn a lot of things before I could get going with this tool *

Marca solo un óvalo.

1 2 3 4 5

Stro Strongly Agree

Feature-Specific Questionnaire

In this section, you will find statements related to specific aspects of Intino and Quassar, such as accessibility, integration into workflows, and collaboration. Please rate each item from **1 (Strongly Disagree)** to **5 (Strongly Agree)** based on your experience.

23. I could complete the tasks without technical assistance. *

Marca solo un óvalo.

1 2 3 4 5

Stro Strongly Agree

24. The browser-based access reduced installation and configuration barriers. *

Marca solo un óvalo.

1 2 3 4 5

Stro Strongly Agree

25. The setup effort to reach a first valid model was low. *

Marca solo un óvalo.

1 2 3 4 5

Stro Strongly Agree

26. The model migration process was clear and well supported by the tool. *

Marca solo un óvalo.

1 2 3 4 5

Stro Strongly Agree

27. Diagnostics and messages were useful to locate and fix issues. *

Marca solo un óvalo.

1 2 3 4 5

Stro Strongly Agree

28. Editing/validation responsiveness was acceptable and did not hinder my workflow. *

Marca solo un óvalo.

1 2 3 4 5

Stro Strongly Agree

Open-Ended Feedback

Here, you can freely share your **opinions, suggestions, or comments** about Intino and Quassar. We encourage you to describe what worked well, any difficulties encountered, or features you think would improve the platform.

You may answer in **the language you feel most comfortable with**.

29.

What positive aspects would you highlight about the platform?

30.

Which entry barriers did you encounter (if any), and how would you reduce them?

31.

Were any features or workflows confusing or difficult? Please describe concrete situations.

32.

How would you integrate this platform into your educational or professional practice?

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