Questionnaire 1: ATAM-4SAS Survey

This questionnaire is part of a controlled experiment on the application of the ATAM-4SAS method, part of a scientific research carried out in the Graduate Program in Computer Science at the Federal University of Bahia (UFBA). The objective of the research is to analyze the participant's perception about the ATAM-4SAS method. We thank you in advance for your participation in this study.

*Obrigatório

Informed Consent Form

> Informed consent form
>
> 1. You are being invited to participate in the survey on the perception of applicability of the ATAM-4SAS method.
> 2. You have been selected to be a volunteer and your participation is not mandatory.
> 3. At any time you can withdraw from participating and withdraw your consent.
> 4. Your refusal will not harm your relationship with the researcher or the institution.
> 5. Your participation in this research will consist of carrying out tasks using computational tools and answering questionnaires with short text questions and objective questions.
> 6. Your participation in this research may involve some discomfort, even if small, related to the time spent performing the tasks and filling out the questionnaire. We will do our best to minimize possible discomfort and not waste your time unnecessarily.
> 7. The information obtained will be confidential and we ensure the confidentiality of your participation. In the event of publication of the results of this research, the data will be anonymized, which will not allow the identification of the participant.
> 8. The information obtained will be used solely and exclusively for the specific purposes of this study.
> 9. The benefits related to your participation are in contributing to scientific research. Access to the results of this research will be allowed if the results are published.
> 10. This survey uses the Google Docs application package, therefore Google's collection and use of information is subject to Google's Privacy Policy (https://policies.google.com/privacy?hl=en-US).
> 11. By clicking on the "I Agree" button, you agree with the information described here, but at any time you can stop the survey free of charge.
> 12. Below are the contact details of those responsible for this survey, with which you can answer your questions about your participation:
> - Caiza Fortunato <caiza.almeida@ufba.br>
> - Ivan Machado (supervisor) <ivan.machado@ufba.br>

1. I declare that I understand the objectives, risks and benefits of my participation in the research. *

   Marcar apenas uma oval.

   ◯ I agree

Characterization Questionnaire

2. 1 - Full name *

    _____

3. 2 - E-mail *

    _____

4. 3 - City/State *

    _____

5. 4 - You are currently working in: *

    Marcar apenas uma oval.

    ⬭ Academy

    ⬭ Industry

    ⬭ Academy and Industry

6. 5 - Institution you study or company you work for? *

    _____

7. 6 - Nível de Escolaridade (informe o nível mais alto) *

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    ⬭ Graduation student

    ⬭ Full graduation

    ⬭ Master's Degree student

    ⬭ Full master's

    ⬭ PhD student

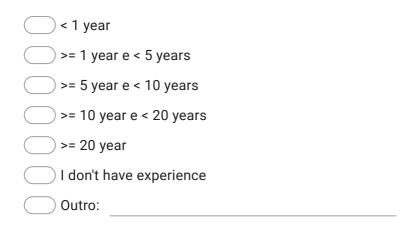   ⬭ Complete doctorate

    ⬭ Outro: _____

8.   7 - What is your experience in software development? *

Marque todas que se aplicam.

☐ Design

☐ Requirements Analysis

☐ Programming

☐ Test

☐ Opção 5

☐ Maintenance

Outro: ☐ _____

9.   8 - What is your experience in real projects (in years) in the Software
      Development area? *

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○ < 1 year

○ >= 1 year e < 5 years

○ >= 5 year e < 10 years

○ >= 10 year e < 20 years

○ >= 20 year

○ I don't have experience

○ Outro: _____

10.   9 - What is your experience (in years) with self-adaptive systems? *

Marcar apenas uma oval.

○ < 1 year

○ >= 1 year e < 5 years

○ >= 5 year e < 10 years

○ >= 10 year e < 20 years

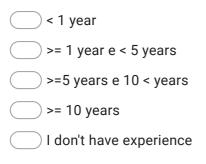○ >= 20 year

○ I don't have experience

11. 10 - If you answered positively to the previous question, please let us know the category that best fits your performance in the area of self-adaptive systems. *

Marcar apenas uma oval.

- ◯ Academic
- ◯ Industrial
- ◯ Academic and Industrial
- ◯ I don't have experience
- ◯ Outro: _____

12. 11 - How many years of experience do you have with architectural assessment methods? *

Marcar apenas uma oval.

- ◯ < 1 year
- ◯ >= 1 year e < 5 years
- ◯ >=5 years e 10 < years
- ◯ >= 10 years
- ◯ I don't have experience

13. 12 - If you answered positively to the previous question, please let us know the category that best fits your performance in the area of architectural evaluation? *

Marcar apenas uma oval.

- ◯ Academic
- ◯ Industrial
- ◯ Industrial and Academic
- ◯ I don't have experience

14.   13 – How many years of experience do you have with requirements analysis? *

Marcar apenas uma oval.

- ( ) < 1 year
- ( ) >= 1 year e < 5 years
- ( ) >=5 years and 10 < years
- ( ) >= 10 years
- ( ) I don't have experience

15.   14- How many years of experience do you have with DSPL (dynamic software product lines)? *

Marcar apenas uma oval.

- ( ) < 1 year
- ( ) >= 1 year e < 5 years
- ( ) >=5 years and 10 < years
- ( ) >= 10 years
- ( ) I don't have experience

16.   15 – If you answered positively to the previous question, please let us know the category that best fits your performance in the area of DSPL (dynamic software product lines)? *

Marcar apenas uma oval.

- ( ) Academic
- ( ) Industrial
- ( ) Academic and Industrial
- ( ) Industria e Acadêmica
- ( ) I don't have experience
- ( ) Outro: _____

Pre-
Questionnaire

This questionnaire must be answered after reading the explanatory document.

Option 1 - Strongly Disagree
Option 2 - Disagree
Option 3 - Undecided
Option 4 - Agree
Option 5 - Totally Agree

17. Justify the answer to the item above. *

_____

_____

_____

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_____

18. 16 - Do you think that ATAM-4SAS gives supports in the architectural assessment of a self-adaptive system? *

Marcar apenas uma oval.

	1	2	3	4	5	
	◯	◯	◯	◯	◯	

19. Justify the answer to the item above. *

_____

20. 17 - Do you think that the ATAM-4SAS supports a strategic choice in the objectives of the attributes of qualities of a self-adaptive system? *

Marcar apenas uma oval.

	1	2	3	4	5	
	◯	◯	◯	◯	◯	

21.   Justifique sua resposta da pergunta anterior. *

_____

_____

_____

_____

_____

22.   18 - Could ATAM-4SAS be used in industry? *

Marcar apenas uma oval.

	1	2	3	4	5
	⬭	⬭	⬭	⬭	⬭

23.   Justify your answer to the previous question. *

_____

_____

_____

_____

_____

24.   19 - Do you think the proposed method is easy to implement? *

Marcar apenas uma oval.

	1	2	3	4	5
	⬭	⬭	⬭	⬭	⬭

25. Justify your answer to the previous question. *

_____

_____

_____

_____

26. 20 – Would you change any steps? In other words, would you add or remove something from the proposed method? *

Marcar apenas uma oval.

	1	2	3	4	5
	⬭	⬭	⬭	⬭	⬭

27. Justify your answer to the previous question. *

_____

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_____

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