

How software requirements are documented in the ASD: an exploratory survey

The survey will take approximately 3 minutes to complete.

This questionnaire aims to identify how software requirements are documented in agile software development teams (ASD). If you haven't participated in agile team projects, we appreciate your interest in participating. The questions addressed in this questionnaire are for developers who have already participated in software projects in agile teams.

DECLARATION OF INFORMED CONSENT

By responding to this survey, you consent to the researcher obtaining, using and disclosing the anonymous information you provide as described below.

CONDITIONS AND STIPULATIONS

1. I understand that all information is confidential. I will not be identified personally. I agree to complete the survey for research purposes and that data derived from this anonymous survey may be published in journals, conferences and blog posts.
2. I understand that my participation in this research is completely voluntary and that the refusal to participate will not imply any penalty or loss of benefits. If I want, I can cancel my participation at any time. I also understand that if I choose to participate, I may decline to answer any questions that I am not comfortable answering.
3. I understand that I can contact the researcher if I have any questions about the research. I am aware that my consent will not directly benefit me. I am also aware that the author will keep the collected data in perpetuity and may use the data for future academic work.
4. By clicking the button below, I freely agree and acknowledge my rights as a voluntary research participant as described above and grant consent to the researcher to use my information in carrying out research in the areas mentioned above

1. Email (optional)

2. Which state are you from?

3. Company you work for (optional)

4. How long have you been working with software development? *

- Less than 1 year
- 1 to 3 years
- 4 to 6 years
- 7 to 9 years
- 10 to 15 years
- More than 16 years

5. How long have you been working with software development in agile teams? *

- Less than 1 year
- 1 to 3 years
- 4 to 6 years
- 7 to 9 years
- 10 to 15 years
- More than 16 years

6. What phase of software development do you work on or have you worked on agile teams? *

- Elicitation
- Design and Analysis
- Modeling
- Development/Programming
- Tests
- Maintenance/Evolution
- Management

7. In your perception, how the documentation of requirements in ADS is performed?

8. From the factors below, select which, in your perception, may influence the documentation of requirements in ADS:

- Knowledge of the software solution by the team
- Team turnover
- Deadline for each iteration
- Requirements experts on the team
- Organization requirements (processes, audit)
- Contractual or other agency requirements
- Criticality/Risk of the solution
- Involvement of business representatives during development

9. In your opinion, what are the consequences of missing or outdated requirements documentation in ASD?

10. In your perception, which documentation issues are most relevant in ASD?

11. What solutions do your team apply when these documentation issues happen?

12. Describe what are the challenges related to documentation and specific practices in ASD.



13. In your organization, who has responsibility of documenting requirements?

14. In your perception, is this attribution (of the professional responsible for documenting the requirements) correct?

15. What techniques do requirements analysts/engineers use to document software requirements in order to understand them and/or cooperate in analyst/customer communication? *

- User stories
- Use cases
- Funcional description
- Business rules
- Notes on business terminologies
- Notes on change decisions made by clients
- Requirements lists
- UML models
- Epics
- Organization's own templates
- Prototyping
- Word documents, mockups and software development repositories
- JAD
- Protocol analysis
- Questionnaires
- Repertory grids
- Scenarios
- Meetings
- Personas

- Storyboards
- Usability tests
- Mental maps
- Empathy Map

16. What techniques do analysts use to document requirements for purposes of cooperation between analysts and development teams (making maintenance easier, etc.)? *

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- Empathy Map

17. In your team, requirements documentation is performed using which requirements elicitation techniques? *

- User stories
- Use cases
- Funcional description
- Business rules
- Notes on business terminologies
- Notes on change decisions made by clients
- Requirements lists
- UML models
- Epics
- Organization's own templates
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- Questionnaires
- Repertory grids
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- Meetings
- Personas

Storyboards

18. These techniques are used to document requirements at which stages of the development cycle? *

Elicitation

Design and Analysis

Modeling

Development/Programming

Tests

Maintenance/Evolution

Management

19. The requirements artifacts from these techniques are used later in which stages of the development cycle? *

Elicitation

Design and Analysis

Modeling

Development/Programming

Tests

Maintenance/Evolution

Management

20. Are these artifacts generated to document the requirements sufficient to ensure an adequate evolution of the Product/Software? Could you please describe why? *

21. Are these practices and techniques for documenting requirements consistent with Agile guidelines? Describe why.

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