A survey on the use of informal diagrams in industrial development practice

PURPOSE OF THE SURVEY

This survey is part of a master thesis in software engineering. Its purpose is to investigate the use of informal diagrams in software engineering practices.

ETHICAL CONSIDERATION

Target audience: This questionnaire is for software practicioners that are involved in creating, editing or reading/using diagrams during their daily work.

Voluntary participation: The participation in this survey is entirely voluntary. You have the freedom to choose whether or not to participate.

Confidentiality and anonymity: The survey is completely anonymous, meaning that no identifiable information will be collected. The author has full responsibility for all the data collected and ensures that participants' personal information remains confidential.

Policy of handling the data: The information you provide will be used only for the study purpose and they will not be shared with any third parties. The data will be deleted after the completion of the study, in accordance with the GDPR (General Data Protection Regulation).

Withdrawal of the participation: You have the right to withdraw your participation from the survey at any point without providing a reason. The data provided up to that point will not be included in the analysis. If you decide to withdraw, your decision will be respected and not affect you in any way. To withdraw your submission, use the "Edit Response" link provided after the submission. If you have lost the confirmation page or email, you can still access to your response by using the original link to the form.

Compliance with APA guidelines: This survey implements the APA (American Psychological Association https://www.apa.org/ethics/code/ethics-code-2017.pdf) guidelines to ensure your privacy is completely protected throughout the study process. By participating in this survey, your rights as a participant are being upheld and respected. This survey consists of 19 questions an it takes no longer than 10 minutes to be completed.

If you have any questions related to the survey or you are interested for the final results of the survey contact: asa22010@student.mdu.se

* Indica una domanda obbligatoria

BACKGROUND

Contrassegna solo un	ovale.
Software architec	t
Software develope	er
Software tester	
Requirement engi	neer
Data engineer/ Da	ata scientist
Project manager	
Product owner	
Business analyst	
Altro:	
2) What is the size of	f the team (number of colleagues) you work with?
3) What is the domai	f the team (number of colleagues) you work with?
s) What is the domai	n of the company you work for? <i>(If other please</i>
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Altro:					_	
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ach of the	following	g questic	ons, pleas	e mark ho	ow they a	apply to your
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i) Please s _l	ecify ho	w each	of the follo	owing que	estions r	elates to you
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5) Please s Contrassegna				owing que	estions r	elates to you
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How often do you create diagrams? How often do you edit diagrams? How often	solo un o	vale per rig	ga.			elates to you

6. 6) The degree to which I use the diagrams for: *

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	Never	Normally no, but in exceptional cases yes	Normally yes, but in some exceptional cases no	Always
Capture clients requirements				
Analyze software requirements				
Design software architecture				
Design software implementations				
Visualize an idea/ a concept				
Debug source code				
Refactor source code				
Generate source code				
Communicate with your team/ other teams				
Communicate with the clients/ end users				
Explain an issue to someone else				
Help me think/ Understand an issue				

Document a

7) Are there ar	າy other way	s in which y	ou use diag	grams that are	e not listed?
B) What do you	_	_	ams? You c	an choose m	ore than
Seleziona tutte le	voci applicabil.	i.			
	· · · · · / I		ne that occur	. ,	
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the various s interfaces, co	tates and trans	sitions of a sys d dependencie attributes, metl	stem es of a system hods, and the	n relationships b	
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9.	9) Which tools do you use to create/ edit these diagrams? (If other please specify)	*
	Seleziona tutte le voci applicabili.	
	Microsoft Visio PowerPoint Drawio Astah Scade Whiteboard/Pen and paper Altro:	
10.	10) To which degree do the diagrams contain UML elements? *	
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	No UML elements Minority UML elements	
	Majority UML elements	
	Only UML elements	
	I don't know	

sp	ecify)
Sel	eziona tutte le voci applicabili.
	Use case
	Actor
	Class
	State
	Transition
	Object
	Package
	Sequence
	Deployment
	Component
	Activity
	Association
	Generalization/Inheritance
	Dependency
	Aggregation
	Multiplicity
	Composition
	None
	I don't know
	Altro:
12)) When I create/ update the diagrams, do you have the freedom to use
ev	ery type of symbol/ syntax that you want?
	ntrassegna solo un ovale.
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	3) Do you include a legend in the diagrams denoting the meaning of elements used	*
C	Contrassegna solo un ovale.	
(Never	
(The minority of the time	
(The majority of the time	
(Always	
	4) How many colleagues collaborate on creating these diagrams, ncluding yourself? <i>Please estimate the number.</i>	*
	5) Roughly, how often do you update the diagrams to reflect changes to	*
t	15) Roughly, how often do you update the diagrams to reflect changes to he software? (If other please specify) Contrassegna solo un ovale.	*
t	he software? (If other please specify)	*
t	he software? (If other please specify) Contrassegna solo un ovale.	*
t	he software? (If other please specify) Contrassegna solo un ovale. Never	*
t	he software? (If other please specify) Contrassegna solo un ovale. Never Yearly	*
t	he software? (If other please specify) Contrassegna solo un ovale. Never Yearly Monthly	*

Contrassegna solo un ovale.
Requirement gathering , analysis and specification
Design
Implementation
Testing
Operation and manteinance
Altro:
17) What is the target audience that reads and uses these diagrams for
their tasks? (If other please specify)
Seleziona tutte le voci applicabili.
Developers/ testers in my team
Developers/ testers in another team
Software architects Description and problems Description and problem
Requirement analysts Domain experts
Project managers
Clients
End-users
Myself
Altro:

9.	19) Do you have any additional comments/ feedback about the questionnaire?	*

THANK YOU FOR YOUR CONTRIBUTION AND YOUR TIME! WE APPRECIATE IT!

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