Research about the use of Methodologies, Techniques and Tools used in Privacy Requirements Elicitation in the Software Industry

This questionnaire aims to identify how Privacy Requirements Elicitation occurs in the Software Industry. The main focus is to discover which Methodologies, Techniques and Tools are effectively used.
If you are NOT part of the Software Industry, we appreciate your interest in participating, but we kindly ask you to decline to participate.

STATEMENT OF INFORMED CONSENT
By answering this survey, you allow the researchers to obtain, use and disclose the anonymous information provided as described below.

CONDITIONS AND STIPULATIONS
1. I understand that all information is confidential. I will not be personally identified. I agree to complete the survey for research purposes and that the data derived from this anonymous survey may be published in journals, conferences and blog posts.
2. I understand that my participation in this research survey is totally voluntary, and that declining to participate will involve no penalty or loss of benefits. If I choose, I may withdraw my participation at any time. I also understand that if I choose to participate, that I may decline to answer any question that I am not comfortable answering.
3. I understand that I can contact the researchers if I have any questions about the research survey. I am aware that my consent will not directly benefit me. I am also aware that the author will maintain the data collected in perpetuity and may utilize data for future academic work.
4. By clicking the button below, I freely provide consent and acknowledge my rights as a voluntary research participant as outlined above and provide consent to the researchers to use my information in conducting research on the areas noted above.

* Required

1. Email *

_____

Section 2

This section is for getting to know the participant's profile.

2. How long have you been working in the software industry? *

   Mark only one oval.

   ◯ Under one year

   ◯ Between 1 and 2 years

   ◯ Between 3 and 5 years

   ◯ Between 6 and 10 years

   ◯ More than 11 years

3. What is your Organization's name?

   _____

4. What is the size of your Organization? *

   Mark only one oval.

   ◯ 1 Collaborator

   ◯ 2-9 Collaborators

   ◯ 10-30 Collaborators

   ◯ 31-100 Collaborators

   ◯ 101+ Collaborators

5. What is your role? *

Check all that apply.

- [ ] Requirements Engineer
- [ ] Front-end Developer
- [ ] Back-end Developer
- [ ] Database Administrator
- [ ] Product or Project Manager
- [ ] Manager, R Programmer/Developer,
- [ ] Requirements Analyst
- [ ] Software Engineer
- [ ] Tester or Quality Assurance
- [ ] Designer (Interaction Designer, UX designer) or Specialist in Human-Computer Interaction
- [ ] CEO, President or Owner
- [ ] Data Protection Officer (DPO)
- [ ] Chief Data Officer (CDO)
- [ ] Audit Officer
- [ ] Privacy expert
- [ ] Other: _____

6. Define the type of your organization from the options below

Mark only one oval.

- ( ) Public Sector
- ( ) Private Sector

7. On a scale of 0 to 5, what is your level of awareness regarding the European Union law called General Data Protection Regulation (GDPR)? *

Mark only one oval.

	0	1	2	3	4	5	
completely unaware	( )	( )	( )	( )	( )	( )	completely aware

8. On a scale of 0 to 5, what is your level of awareness regarding the Brazilian law General Personal Data Protection Law (in Portuguese: Lei Geral de Proteção de Dados Pessoais (LGPD)? *

Mark only one oval.

	0	1	2	3	4	5	
completely unaware	◯	◯	◯	◯	◯	◯	completely aware

9. Do you know about Requirements Elicitation? *

Mark only one oval.

◯ Yes, but I never worked with Requirements Elicitation

◯ Yes, I have worked with Requirements Elicitation

◯ I don't know

10. Do you know about Privacy Requirements? *

Mark only one oval.

◯ Yes, but I never worked with Privacy Requirements

◯ Yes, I have worked with Privacy Requirements

◯ I don't know

11. Do you know about Privacy Requirements Elicitation? *

Mark only one oval.

◯ Yes, but I never worked with Privacy Requirements Elicitation

◯ Yes, I have worked with Privacy Requirements Elicitation

◯ I don't know

Skip to question 12

Section 3

The purpose of this Section is to identify which Methodologies, Techniques and Tools for Privacy Requirements Elicitation are used in the Software Industry.

12. Do you use any of these Methodologies for Privacy Requirements Elicitation in your organization? *

Check all that apply.

- [ ] Privacy Safeguard method (PriS)
- [ ] Secure Tropos modelling language
- [ ] i* Model
- [ ] LINDDUN privacy threat modeling framework
- [ ] Privacy by Design (PbD)
- [ ] SQUARE for Privacy
- [ ] Non-Functional Requirement Framework (NFR)
- [ ] Goal-Based Requirements Analysis Method (GBRAM),
- [ ] Role-Based Access Control (RBAC) method,
- [ ] Mofett-Nuseibeh (M-N),
- [ ] Bellotti-Sellen framework,
- [ ] STRuctured Analysis for Privacy (STRAP) method,
- [ ] Privacy Enhancing Technologies (PETs)
- [ ] Privacy Criteria Method (PCM)
- Other: [ ] _____

13. Do you use any of these Techniques for Privacy Requirements Elicitation in your organization? *

Check all that apply.

- [ ] Use case
- [ ] UML Diagrams
- [ ] Questionnaire
- [ ] Business Process Model and Notation (BPMN)
- [ ] User stories
- Other: [ ] _____

14. Do you use any of these Tools for Privacy Requirements Elicitation in your organization? *

Check all that apply.

- [ ] SMaRT
- [ ] T-Tool
- [ ] PRET tool
- [ ] PriS tool
- [ ] SQUARE and PRET
- [ ] DIA
- [ ] PREProcess
- [ ] Oasis PMRM
- [ ] LINDDUN
- [ ] OME
- [ ] RMCM-V tool (Restricted Misuse Case Modeling - Verier)
- [ ] Tool-supported DPIA process based on CAIRIS
- [ ] SPARQL
- [ ] PE-BPMN
- [ ] BPMN
- [ ] PCM tool
- [ ] SectroCloud module (extensão do Apparatus Software Tool (ASTo)
- [ ] STS-tool and SecTro tool
- [ ] CARiSMA
- [ ] Amazon Mechanical Turk
- [ ] Other: _____

15. What type of data is collected from apps developed by your organization?

Check all that apply.

- [ ] Parameters specific to the sofware/app
- [ ] Which apps are installed
- [ ] Operating System
- [ ] Location
- [ ] Sensor information not location-related
- [ ] Phone ID
- [ ] Contacts
- [ ] Phone Number
- [ ] Password
- [ ] Credit card information

16. Are any of these privacy and security-behaviors adopted?

Check all that apply.

☐ Use SSL
☐ Encrypt data on phone
☐ Encrypt data in database
☐ Encrypt everything (all data collected)
☐ Privacy Policy on website
☐ Privacy Policy on app
Other: ☐ _____

17. In your organization, data protection issues are considered as part of the design and implementation of systems, services, products and business practices. *

Mark only one oval.

◯ Yes
◯ No

18. Data protection is an essential component of the core functionality of your processing systems and services, in your organization.

Mark only one oval.

◯ Yes
◯ No

19. In your organization, risks and privacy-invasive events are anticipated before they occur, and steps are taken to prevent harm to individuals.

Mark only one oval.

◯ Yes
◯ No

20. In your organization, you only process the personal data that you need for your purposes(s), and that you only use the data for those purposes.

Mark only one oval.

◯ Yes

◯ No

21. In your organization, personal data is automatically protected in any IT system, service, product, and/or business practice, so that individuals should not have to take any specific action to protect their privacy.

Mark only one oval.

◯ Yes

◯ No

22. The identity and contact information of those responsible for data protection are provided both within your organization and to individuals.

Mark only one oval.

◯ Yes

◯ No

23. Your organization adopts a 'plain language' policy for any public documents so that individuals easily understand what you are doing with their personal data.

Mark only one oval.

◯ Yes

◯ No

24. Your organization provides individuals with tools so they can determine how you are using their personal data, and whether your policies are being properly enforced.

Mark only one oval.

◯ Yes

◯ No

25. Your organization offers strong privacy defaults, user-friendly options and controls, and respect user preferences.

Mark only one oval.

○ Yes

○ No

26. Your organization only uses data processors that provide sufficient guarantees of their technical and organizational measures for data protection by design.

Mark only one oval.

○ Yes

○ No

27. When other systems, services or products are used in your processing activities, you make sure that you only use those whose designers and manufacturers take data protection issues into account.

Mark only one oval.

○ Yes

○ No

28. Your organization uses privacy-enhancing technologies (PETs) such as pseudo-anonymization or obfuscation, to assist in complying with your data protection by design obligations.

Mark only one oval.

○ Yes

○ No

29. How familiar are you with the types of data collected by third-party tools?

Mark only one oval.

○ My app doesn't use third-party tools

○ I know exactly what kinds of data the third-party tools are collecting

○ I have some idea

○ I'm not familiar

30. Does your company use Ads or Analytics Companies in software development?

Check all that apply.

☐ Google analytics
☐ Google ads
☐ Amazon ads
☐ No ads
☐ No analytics
Other: ☐ _____

31. How do the software/apps developed by your organization inform users about what information they collect?

_____
_____
_____
_____
_____

32. Have you ever decided not to collect certain information from users due to privacy concerns?

_____
_____
_____
_____
_____

33. What, if any, online resources do you use to help make privacy decisions?

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_____

34. Please write here any information that you think would be useful for this research.

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35. Please, help up find more participants for this research by sharing this questionnaire:

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