

PRACTICAL 3

AIM: To craft a comprehensive questionnaire for gathering software requirements, begin by clearly defining the software's purpose and identifying all stakeholders involved.

Structure the questionnaire with a concise introduction and distinct sections addressing various facets of the software. Utilize a blend of open-ended and closed-ended questions, ensuring they are neutral and unbiased. Incorporate both functional and non-functional requirements into the questionnaire.

Details:

Name	
City	
Cultural Background	
Highest education qualification	
Current job title	
Current Company	
Years of experience	
Main areas of expertise	

Questions:

1. What inspired you to choose this as a career option?

2. How would you describe software engineering based on your real-world experience?

3. What types of clients have you worked with, and do they usually approach your firm with their requirements, or does your team actively pitch solutions to them?

4. Which SDLC models have you used in your projects, and how do you choose the appropriate model for each?

5. How important is the Software Requirements Specification (SRS) in the success of a project?

6. How do you convert SRS requirements into software modules or components during the design phase?

7. Typically, how many meetings or iterations are needed to finalize the requirements before starting the design?

8. How is the development process structured or planned within your team or organization?

9. What development methodologies are popular in the industry right now, and why do teams prefer them?

10. At what stage are testers typically involved in a software project? Are they part of the process from the beginning, or do they join during or after the development phase?

11. What common challenges do you face during deployment?

12. What does the maintenance phase usually involve, and who is responsible for it?

13. How do different team members like developers, testers, designers, and project managers coordinate during a project?

14. How do you ensure smooth collaboration across all phases of project?

15. When client requirements change during the project, how do you manage those changes, and how do they affect the overall project workflow?

16. What are the key responsibilities of a project manager vs. a Scrum master?

17. What challenges do you face when transitioning to a new company or team?

18. What advice would you give to someone interested in back-end development or full stack and preparing for their first job or internship?

19. With the current economic slowdown and the growing influence of AI, there's a lot of concern about job security — especially the belief that AI might replace developers. What are your thoughts on this shift in the industry, and how do you see the role of software engineers evolving in this new era?

20. Besides higher studies, what other options are there to continue learning and growing in the software field?

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