

Questionnaire for Software Development Professionals

This survey aimed at gathering data on practical project management processes in the industry of software development, with a focus on agile methodologies, virtual collaboration, and risk consideration. This survey was conducted on a voluntary and anonymous basis and used solely for research purposes.

Section A: General and Demographic Information

A1. Country of residence

- Czech Republic
- Türkiye
- Germany
- Poland
- Slovakia
- Other (please specify): _____

A2. Your primary role in software development projects

- Software Engineer / Developer
- QA / Tester
- Project Manager / Scrum Master
- Product Owner / Business Analyst
- Team Lead / Technical Lead
- Other (please specify): _____

A3. Years of professional experience in software development

- Less than 2 years
- 2–5 years
- 5–10 years
- More than 10 years

A4. Size of your organisation

- 1–10 employees
- 11–50 employees
- 51–250 employees
- More than 250 employees

A5. Primary working model of your team

- Fully remote
- Hybrid (partly remote, partly on-site)
- Fully co-located (on-site)

Section B: Agile Project Management Practices

B1. Which project management methodology do you primarily use?

- Scrum
- Kanban
- Hybrid Agile (e.g., Scrumban)
- Traditional / plan-driven
- No formal methodology
- Other (please specify): _____

B2. How long has your team been using Agile methods?

- Less than 1 year
- 1–3 years
- 3–5 years
- More than 5 years
- We do not use Agile

B3. How frequently do the following Agile ceremonies take place? (Options: Never / Occasionally / Once per sprint / Weekly / Daily)

- Sprint planning
- Daily stand-up meetings
- Sprint review
- Sprint retrospective

B4. Please indicate your level of agreement with the following statements: (1 = Strongly disagree ... 5 = Strongly agree)

- Agile improves collaboration within my team.
- Agile improves the speed of delivery.

- Agile improves the quality of delivered software.
- Agile increases the predictability of project delivery.
- Agile is implemented consistently and effectively in my organisation.

B5. In your experience, what are the biggest challenges in applying Agile methods?
(Open-ended)

Section C: Virtual and Distributed Team Collaboration

C1. How would you describe your team's working model?

- Fully remote
- Hybrid
- Fully co-located

C2. Which tools do you frequently use for collaboration? (Multiple selection allowed)

- Slack / Teams / Chat tools
- Zoom / Google Meet / Video conferencing
- Issue-tracking tools (e.g., Jira)
- Wiki / documentation tools
- Version-control platforms (e.g., GitHub / GitLab)
- Other (please specify): _____

C3. Please indicate your level of agreement with the following statements: (1 = Strongly disagree ... 5 = Strongly agree)

- Working in a virtual team creates communication challenges.
- Digital collaboration tools support remote teamwork effectively.
- Time-zone differences create difficulties for coordination.
- Team cohesion is harder to maintain in virtual teams.
- Knowledge sharing works effectively in my team.

C4. In your opinion, what are the main advantages and disadvantages of working in virtual teams?

(Open-ended)

Section D: Risk Management in Software Projects

D1. How are project risks handled in your organisation?

- Formal risk-management process with documentation
- Semi-formal / ad-hoc risk handling
- Mostly informal / no structured risk-management approach

D2. How frequently are project risks reviewed?

- Never
- Only at the start of the project
- Occasionally during the project
- Regularly throughout the project

D3. Which types of risks do you encounter most frequently? (Multiple selection allowed)

- Technical risks
- Human-related / communication risks
- Organisational risks
- Schedule / delivery risks
- Customer / stakeholder risks
- Other (please specify): _____

D4. Please indicate your level of agreement with the following statements: (1 = Strongly disagree ... 5 = Strongly agree)

- Risk management improves overall project success.
- Human-related risks represent a significant challenge in projects.
- Technical risks represent a significant challenge in projects.
- My organisation manages risks effectively.
- Risks are discussed openly within my team.

D5. Please provide an example of a significant project risk you have experienced and how it was addressed.

(Open-ended)

Section E: Perceived Project Success and Overall Reflection

E1. In general, how successful are the software projects you work on?

- Very successful
- Mostly successful
- Mixed success
- Mostly unsuccessful
- Very unsuccessful

E2. In your opinion, what factors most strongly contribute to project success?

(Open-ended)

E3. To what extent do you agree with the following statement? (1 = Strongly disagree ... 5 = Strongly agree)

Real-life project management practice in my organisation fully reflects what is recommended in theory.

E4. Please describe any major differences you see between theory and real practice in software project management.

(Open-ended)

E5. Final comments (optional):

(Open-ended)