

# Software Requirements Engineering Project Decision Making Process

## Questionnaire

**Group number:** \_\_\_\_\_

- The questionnaire is completed in groups. Please fill in according to the actual situation.
- The completion time of the questionnaire is 2:05-5:25, and it can be submitted ahead of schedule.

Questions	Answers
Requirements elicitation	
1. What types of problems do you think are important, need decision making, and why?	Type of problem:  Please explain the reason:
2. Do you understand the problems to be made a decision?	(Completely understanding / Almost understanding / Partly understanding / Almost not understanding / Completely not understanding)
3. What are the sources of alternatives for decision-making in an RE activity? (Multiple choice question)	(Directly using existing solutions/ Modifying existing solutions/ Formulating new solutions/ Others _____) Please explain the reason:
4. Do your group evaluate the alternatives in decision-making process?	(Alternatives will be evaluated in all of the issues / Alternatives will be evaluated in most of the issues / Alternatives will be evaluated in about half of the issues / Alternatives will be evaluated in a few of the issues / Alternatives will be evaluated in none of the issues) Please explain the reason:
5. What kind of evaluation method do	Note: if there is no alternative option in the decision making process, please skip this question. (Allocating weight for each dimensions to be evaluated / Scoring for alternatives / Formulating

your group usually adopt when evaluating alternatives for decision making? (Multiple choice question)	evaluation criteria / Others _____)
6. How do your group choose solutions for decision making, and why? (Multiple choice question)	(Selecting the first solution meets the requirements, no longer considering other solutions / Considering partial solutions, choosing the best solution (local optimal solutions) / Considering as much as possible solutions, choosing the optimal solution (globally optimal solution)/ Others _____) Please explain the reason:
7. Are there any member in the group responsible for decision-making process?	(Yes / No)
8. How many decisions are made with the involvement of all members?	(All of decisions / Most of decisions / About half of decisions / A few of decisions / None of decisions) Please explain the reason:
9. What kinds of problems do your group think not need decision-making, and Why?	Question type: Please explain the reason:

<p>10. Are customers involved in decision-making process?</p>	<p>(Participating in each decision / Participating in most decisions / Participating in about half of decisions / Participating in a few of decisions / Not participating in any decision)</p> <p>Please explain the reason:</p>
<p align="center"><b>Requirements analysis</b></p>	
<p>11. What types of problems do your group think are important, need decision making, and why?</p>	<p>Type of problem:</p> <p>Please explain the reason:</p>
<p>12. Do your group understand the problems to be made a decision?</p>	<p>(Completely understanding / Almost understanding / Partly understanding / Almost not understanding / Completely not understanding)</p>
<p>13. What are the sources of alternatives for decision-making in an RE activity? (Multiple choice question)</p>	<p>(Directly using existing solutions/ Modifying existing solutions/ Formulating new solutions/ Others_____)</p> <p>Please explain the reason:</p>

14. Do your group evaluate the alternatives in decision-making process?	(Alternatives will be evaluated in all of the issues / Alternatives will be evaluated in most of the issues / Alternatives will be evaluated in about half of the issues / Alternatives will be evaluated in a few of the issues / Alternatives will be evaluated in none of the issues) Please explain the reason:
15. What kind of evaluation method do your group usually adopt when evaluating alternatives for decision making? (Multiple choice question)	Note: if there is no alternative option in the decision making process, please skip this question. (Allocating weight for each dimensions to be evaluated / Scoring for alternatives / Formulating evaluation criteria / Others _____)
16. How do your group choose solutions for decision making, and why? (Multiple choice question)	(Selecting the first solution meets the requirements, no longer considering other solutions / Considering partial solutions, choosing the best solution (local optimal solutions) / Considering as much as possible solutions, choosing the optimal solution (globally optimal solution)/ Others _____) Please explain the reason:
17. Are there any member in the group responsible for decision-making process?	(Yes / No)
18. How many decisions are made with the involvement of all members?	(All of decisions / Most of decisions / About half of decisions / A few of decisions / None of decisions) Please explain the reason:

<p>19. What kinds of problems do your group think not need decision-making, and Why?</p>	<p>Question type:</p> <p>Please explain the reason:</p>
<p>20. Are customers involved in decision-making process?</p>	<p>(Participating in each decision / Participating in most decisions / Participating in about half of decisions / Participating in a few of decisions / Not participating in any decision)</p> <p>Please explain the reason:</p>
<p>Requirements validation</p>	
<p>21. What types of problems do your group think are important, need decision making, and why?</p>	<p>Type of problem:</p> <p>Please explain the reason:</p>
<p>22. Do your group understand the problems to be made a decision?</p>	<p>(Completely understanding / Almost understanding / Partly understanding / Almost not understanding / Completely not understanding)</p>

23. What are the sources of alternatives for decision-making in an RE activity? (Multiple choice question)	(Directly using existing solutions/ Modifying existing solutions/ Formulating new solutions/ Others _____) Please explain the reason:
24. Do your group evaluate the alternatives in decision-making process?	(Alternatives will be evaluated in all of the issues / Alternatives will be evaluated in most of the issues / Alternatives will be evaluated in about half of the issues / Alternatives will be evaluated in a few of the issues / Alternatives will be evaluated in none of the issues) Please explain the reason:
25. What kind of evaluation method do you usually adopt when evaluating alternatives for decision making? (Multiple choice question)	Note: if there is no alternative option in the decision making process, please skip this question. (Allocating weight for each dimensions to be evaluated / Scoring for alternatives / Formulating evaluation criteria / Others _____)
26. How do your group choose solutions for decision making, and why? (Multiple choice question)	(Selecting the first solution meets the requirements, no longer considering other solutions / Considering partial solutions, choosing the best solution (local optimal solutions) / Considering as much as possible solutions, choosing the optimal solution (globally optimal solution)/ Others _____) Please explain the reason:
27. Are there any	(Yes / No)

member in the group responsible for decision-making process?	
28. How many decisions are made with the involvement of all members?	(All of decisions / Most of decisions / About half of decisions / A few of decisions / None of decisions) Please explain the reason:
29. What kinds of problems do your group think not need decision-making, and Why?	Question type: Please explain the reason:
30. Are customers involved in decision-making process?	(Participating in each decision / Participating in most decisions / Participating in about half of decisions / Participating in a few of decisions / Not participating in any decision) Please explain the reason:
Requirements negotiation	

31. What types of problems do your group think are important, need decision making, and why?	Type of problem:  Please explain the reason:
32. Do your group understand the problems to be made a decision?	(Completely understanding / Almost understanding / Partly understanding / Almost not understanding / Completely not understanding)
33. What are the sources of alternatives for decision-making in an RE activity? (Multiple choice question)	(Directly using existing solutions/ Modifying existing solutions/ Formulating new solutions/ Others _____) Please explain the reason:
34. Do your group evaluate the alternatives in decision-making process?	(Alternatives will be evaluated in all of the issues / Alternatives will be evaluated in most of the issues / Alternatives will be evaluated in about half of the issues / Alternatives will be evaluated in a few of the issues / Alternatives will be evaluated in none of the issues) Please explain the reason:
35. What kind of evaluation method do your group usually adopt when evaluating	Note: if there is no alternative option in the decision making process, please skip this question. (Allocating weight for each dimensions to be evaluated / Scoring for alternatives / Formulating evaluation criteria / Others _____)



alternatives for decision making? (Multiple choice question)	
36. How do your group choose solutions for decision making, and why? (Multiple choice question)	(Selecting the first solution meets the requirements, no longer considering other solutions / Considering partial solutions, choosing the best solution (local optimal solutions) / Considering as much as possible solutions, choosing the optimal solution (globally optimal solution)/ Others_____) Please explain the reason:
37. Are there any member in the group responsible for decision-making process?	(Yes / No)
38. How many decisions are made with the involvement of all members?	(All of decisions / Most of decisions / About half of decisions / A few of decisions / None of decisions) Please explain the reason:
39. What kinds of problems do your group think not need decision-making, and Why?	Question type: Please explain the reason:

<p>40. Are customers involved in decision-making process?</p>	<p>(Participating in each decision / Participating in most decisions / Participating in about half of decisions / Participating in a few of decisions / Not participating in any decision)</p> <p>Please explain the reason:</p>
<p>Requirements documentation</p>	
<p>41. What types of problems do your group think are important, need decision making, and why?</p>	<p>Type of problem:</p> <p>Please explain the reason:</p>
<p>42. Do your group understand the problems to be made a decision?</p>	<p>(Completely understanding / Almost understanding / Partly understanding / Almost not understanding / Completely not understanding)</p>
<p>43. What are the sources of alternatives for decision-making in an RE activity? (Multiple choice question)</p>	<p>(Directly using existing solutions/ Modifying existing solutions/ Formulating new solutions/ Others_____)</p> <p>Please explain the reason:</p>

44. Do your group evaluate the alternatives in decision-making process?	(Alternatives will be evaluated in all of the issues / Alternatives will be evaluated in most of the issues / Alternatives will be evaluated in about half of the issues / Alternatives will be evaluated in a few of the issues / Alternatives will be evaluated in none of the issues) Please explain the reason:
45. What kind of evaluation method do your group usually adopt when evaluating alternatives for decision making? (Multiple choice question)	Note: if there is no alternative option in the decision making process, please skip this question. (Allocating weight for each dimensions to be evaluated / Scoring for alternatives / Formulating evaluation criteria / Others _____)
46. How do your group choose solutions for decision making, and why? (Multiple choice question)	(Selecting the first solution meets the requirements, no longer considering other solutions / Considering partial solutions, choosing the best solution (local optimal solutions) / Considering as much as possible solutions, choosing the optimal solution (globally optimal solution)/ Others _____) Please explain the reason:
47. Are there any member in the group responsible for decision-making process?	(Yes / No)
48. How many decisions are made with the involvement of all members?	(All of decisions / Most of decisions / About half of decisions / A few of decisions / None of decisions) Please explain the reason:

<p>49. What kinds of problems do your group think not need decision-making, and Why?</p>	<p>Question type:</p> <p>Please explain the reason:</p>
<p>50. Are customers involved in decision-making process?</p>	<p>(Participating in each decision / Participating in most decisions / Participating in about half of decisions / Participating in a few of decisions / Not participating in any decision)</p> <p>Please explain the reason:</p>