

Software Requirements Engineering Project

Questionnaire about the Decision-Making Process

Group number: _____

- The questionnaire should be completed by groups. Please provide the answers according to the actual situation in your course project.

Questions	Answers
1. What types of problems does your group think are important, require decision making, and why?	Type of problem: Please explain the reason:
2. Does your group 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/ Adapting existing solutions/ Formulating new solutions/ Others _____) Please explain the reason:
4. Does 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:

<p>5. What kind of evaluation method does your group usually adopt when evaluating alternatives for decision making? (Multiple choice question)</p>	<p>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 _____)</p>
<p>6. How does your group choose solutions for decision making, and why? (Multiple choice question)</p>	<p>(Selecting the first solution meets the requirements, no longer considering other solutions / Considering partial solutions, choosing the best solution (locally optimal solutions) / Considering as much as possible solutions, choosing the optimal solution (globally optimal solution)/ Others _____)</p> <p>Please explain the reason:</p>
<p>7. Is there any member in the group responsible for decision-making process?</p>	<p>(Yes / No)</p>
<p>8. What percentage of decisions are made with the involvement of all members?</p>	<p>(All of decisions / Most of decisions / About half of decisions / A few of decisions / None of decisions)</p> <p>Please explain the reason:</p>
<p>9. What kinds of problems does your group think not require decision-making, and why?</p>	<p>Question type:</p> <p>Please explain the reason:</p>

<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 style="text-align: center;">Requirements analysis</p>	
<p>11. What types of problems does your group think are important, require decision making, and why?</p>	<p>Type of problem:</p> <p>Please explain the reason:</p>
<p>12. Does 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/ Adapting existing solutions/ Formulating new solutions/ Others_____)</p> <p>Please explain the reason:</p>

<p>14. Does your group evaluate the alternatives in decision-making process?</p>	<p>(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)</p> <p>Please explain the reason:</p>
<p>15. What kind of evaluation method does your group usually adopt when evaluating alternatives for decision making? (Multiple choice question)</p>	<p>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 _____)</p>
<p>16. How does your group choose solutions for decision making, and why? (Multiple choice question)</p>	<p>(Selecting the first solution meets the requirements, no longer considering other solutions / Considering partial solutions, choosing the best solution (locally optimal solutions) / Considering as much as possible solutions, choosing the optimal solution (globally optimal solution)/ Others _____)</p> <p>Please explain the reason:</p>
<p>17. Is there any member in the group responsible for decision-making process?</p>	<p>(Yes / No)</p>
<p>18. How many decisions are made with the involvement of all members?</p>	<p>(All of decisions / Most of decisions / About half of decisions / A few of decisions / None of decisions)</p> <p>Please explain the reason:</p>

<p>19. What kinds of problems does your group think not require 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 does your group think are important, require decision making, and why?</p>	<p>Type of problem:</p> <p>Please explain the reason:</p>
<p>22. Does 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/ Adapting existing solutions/ Formulating new solutions/ Others_____) Please explain the reason:
24. Does 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 does 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_____) _____
26. How does 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 (locally optimal solutions) / Considering as much as possible solutions, choosing the optimal solution (globally optimal solution)/ Others_____) Please explain the reason:
27. Is there any member in the group responsible for decision-making process?	(Yes / No)

<p>28. How many decisions are made with the involvement of all members?</p>	<p>(All of decisions / Most of decisions / About half of decisions / A few of decisions / None of decisions)</p> <p>Please explain the reason:</p>
<p>29. What kinds of problems does your group think not require decision-making, and why?</p>	<p>Question type:</p> <p>Please explain the reason:</p>
<p>30. 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 negotiation</p>	
<p>31. What types of problems does your group think are important, require decision making, and why?</p>	<p>Type of problem:</p> <p>Please explain the reason:</p>
<p>32. Does 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>33. What are the sources of alternatives for decision-making in an RE activity? (Multiple choice question)</p>	<p>(Directly using existing solutions/ Adapting existing solutions/ Formulating new solutions/ Others_____)</p> <p>Please explain the reason:</p>
<p>34. Does your group evaluate the alternatives in decision-making process?</p>	<p>(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)</p> <p>Please explain the reason:</p>
<p>35. What kind of evaluation method does your group usually adopt when evaluating alternatives for decision making? (Multiple choice question)</p>	<p>Note: if there is no alternative option in the decision making process, please skip this question.</p> <p>(Allocating weight for each dimensions to be evaluated / Scoring for alternatives / Formulating evaluation criteria / Others_____)</p>
<p>36. How does your group choose solutions for decision making, and why? (Multiple choice question)</p>	<p>(Selecting the first solution meets the requirements, no longer considering other solutions / Considering partial solutions, choosing the best solution (locally optimal solutions) / Considering as much as possible solutions, choosing the optimal solution (globally optimal solution)/ Others_____)</p> <p>Please explain the reason:</p>
<p>37. Is there any member in the group responsible for decision-making process?</p>	<p>(Yes / No)</p>

<p>38. How many decisions are made with the involvement of all members?</p>	<p>(All of decisions / Most of decisions / About half of decisions / A few of decisions / None of decisions)</p> <p>Please explain the reason:</p>
<p>39. What kinds of problems does your group think not require decision-making, and why?</p>	<p>Question type:</p> <p>Please explain the reason:</p>
<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 does your group think are important, require decision making, and why?</p>	<p>Type of problem:</p> <p>Please explain the reason:</p>
<p>42. Does 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/ Adapting existing solutions/ Formulating new solutions/ Others_____)</p> <p>Please explain the reason:</p>
<p>44. Does your group evaluate the alternatives in decision-making process?</p>	<p>(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)</p> <p>Please explain the reason:</p>
<p>45. What kind of evaluation method does your group usually adopt when evaluating alternatives for decision making? (Multiple choice question)</p>	<p>Note: if there is no alternative option in the decision making process, please skip this question.</p> <p>(Allocating weight for each dimensions to be evaluated / Scoring for alternatives / Formulating evaluation criteria / Others_____)</p>
<p>46. How does your group choose solutions for decision making, and why? (Multiple choice question)</p>	<p>(Selecting the first solution meets the requirements, no longer considering other solutions / Considering partial solutions, choosing the best solution (locally optimal solutions) / Considering as much as possible solutions, choosing the optimal solution (globally optimal solution)/ Others_____)</p> <p>Please explain the reason:</p>
<p>47. Is there any member in the group responsible for decision-making process?</p>	<p>(Yes / No)</p>

<p>48. How many decisions are made with the involvement of all members?</p>	<p>(All of decisions / Most of decisions / About half of decisions / A few of decisions / None of decisions)</p> <p>Please explain the reason:</p>
<p>49. What kinds of problems does your group think not require 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>