

Appendix D

User Acceptance Test Report

D.1 User Acceptance Questionnaire

Figure D.1 shows the user acceptance questionnaire of the software. We sent the software installation package and questionnaire to a total of 8 participants at the same time. After installing the program, the participants learned to use the software according to the software tutorial and then completed the questionnaire. The questionnaire consists of 10 questions from five aspects: software interface, software function, system efficiency, and user acceptance. Each question has 1-10 levels, ranging from strongly disagreement to strongly agreement.

D.2 Results

We invited a total of 10 users to participate in the survey. The results are shown in the table. There are nine questions in the questionnaire, each of which accounts for 10%. Among them, the scores of questions 4, 5, and 6 are $10-x$ (x is the user's score). The total score is converted into a hundred-point system for display.

According to the average score of the total score, the score of the software is 61.7. We can conclude that the user feels good when using the software, but there are still some areas

Question Number	1	2	3	4	5	6	7	8	9	Total Score(100)
User 1	5	5	6	2	2	4	4	7	6	61
User 2	5	7	10	5	8	3	5	7	3	56.5
User 3	7	10	1	5	5	8	7	7	10	60
User 4	8	6	8	2	5	4	7	7	7	70
User 5	7	8	3	2	2	3	9	8	9	75
User 6	2	7	9	4	7	10	2	1	1	35
User 7	7	4	7	3	4	7	9	7	6	62
User 8	6	8	3	2	2	3	9	8	7	75
User 9	7	7	6	2	2	7	4	7	6	57.5
User 10	6	6	8	2	6	8	7	7	9	65
Average Score	6	6.8	6.1	2.9	4.3	5.7	6.3	6.6	6.4	61.7

Table D.1: User Acceptance Result

that need improvement. Users generally think that the software runs slower than similar software, and must have some professional knowledge when using the software, however, they think that the software is very friendly to novices and are willing to recommend it to colleagues and friends. We will make corresponding improvements based on user feedback in the future.

User Experience Questionnaire

1. As a novice, I felt easy to learn to use the software *

0	1	2	3	4	5	6	7	8	9	10
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Strongly disagree Strongly agree

2. I am very interested in using software *

0	1	2	3	4	5	6	7	8	9	10
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Strongly disagree Strongly agree

4. I think I don't need some buttons of the software at all *

0	1	2	3	4	5	6	7	8	9	10
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Strongly disagree Strongly agree

5. I think the interface of the software is a bit too complicated to use *

0	1	2	3	4	5	6	7	8	9	10
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Strongly disagree Strongly agree

6. I think the running speed of the software is a bit slow compared with similar app *

0	1	2	3	4	5	6	7	8	9	10
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Strongly disagree Strongly agree

7. I think this software is very user-friendly *

0	1	2	3	4	5	6	7	8	9	10
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Strongly disagree Strongly agree

8. I think most people will quickly learn to use this software *

0	1	2	3	4	5	6	7	8	9	10
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Strongly disagree Strongly agree

9. I am very willing to recommend this software to friends and colleagues *

0	1	2	3	4	5	6	7	8	9	10
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Strongly disagree Strongly agree

10. I still have some suggestions for improving the software:

输入你的答案

Figure D.1: User Acceptance Questionnaire