

# APPENDIX

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# E

## POST-SESSION EVALUATION QUESTIONNAIRE

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This appendix presents the model of evaluation questionnaire used in the experimental studies described in **Chapter 6**. It also presents a summary of the answers gathered from these questionnaires.

### E.1 Survey Questionnaire Model

Identification Number: \_\_\_\_\_

Age: \_\_\_\_\_

Sex: \_\_\_\_\_ Male \_\_\_\_\_ Female

#### Part 1: Past Experience

1.1 Of the following devices, software and computer systems, check those you have personally used and are familiar with:

- \_\_\_\_\_ Workstation
- \_\_\_\_\_ Macintosh
- \_\_\_\_\_ PC
- \_\_\_\_\_ Macintosh
- \_\_\_\_\_ Mouse
- \_\_\_\_\_ Drawing/Painting program

1.2 Of the following learning strategies, check those you have personally used and are familiar with:

- \_\_\_\_\_ Underlining
- \_\_\_\_\_ Highlight
- \_\_\_\_\_ Rereading
- \_\_\_\_\_ Rehearsing
- \_\_\_\_\_ Note-Taking
- \_\_\_\_\_ Summarising
- \_\_\_\_\_ Other (Please indicate):

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1.3 Of the following Graphical Learning Strategies, check those you have personally used and are familiar with:

- \_\_\_\_\_ Concept Maps
- \_\_\_\_\_ Networks
- \_\_\_\_\_ Schematisation
- \_\_\_\_\_ Mind Maps
- \_\_\_\_\_ Pattern Notes
- \_\_\_\_\_ Knowledge Maps
- \_\_\_\_\_ Other (Please indicate):

1.4 What was your understanding of the subject in the text before using the program?

1 = very familiar; 5 = not familiar at all

1      2      3      4      5

### Part 2: Interface

2.1 Did you find the program difficult to use?

1 = very difficult; 5 = very easy

1      2      3      4      5

2.2 Did you any trouble with drawing the map?

1 = very difficult; 5 = very easy

1      2      3      4      5

2.3 Did you any trouble in using the mapping tools?

1 = very difficult to use; 5 = very easy to use

1      2      3      4      5

2.4 Did you think concepts represented by boxes in the map may be ambiguous mistaken?

1 = never; 5 = always

1      2      3      4      5

2.5 Did you find the difficult to understand the meaning of links?

1 = very difficult; 5 = very easy

1      2      3      4      5

## E.1 Survey Questionnaire Model

2.6 Does the program keeps you informed about what is going on?

1 = never; 5 = always  
1      2      3      4      5

2.7 What did you think about the feedback messages?

1 = hard to read; 5 = easy to read  
1      2      3      4      5

2.8 What did you think about the feedback messages?

1 = confusing; 5 = clear  
1      2      3      4      5

2.9 What did you think about the feedback messages?

1 = not helpful at all; 5 = very helpful  
1      2      3      4      5

### Part 3: Learning

3.1 What did you find about learning how to use the program?

1 = very difficult; 5 = very easy  
1      2      3      4      5

3.2 Do you think you could learn how employ the mapping strategy by using the program?

1 = very little; 5 = very much  
1      2      3      4      5

3.2 Do you think you could improve your reading comprehension by using the program?

1 = very little; 5 = very much  
1      2      3      4      5

### Part 3: Learning

Do you have any comments or suggestions on how to improve the program?  
Please, indicate.

## Appendix E – Post-Session Evaluation Questionnaire

### E.2 Survey Questionnaire Analysis

**Table E–1** presents media (M) and standard deviation ( $\sigma$ ) gathered from the analysis of the questionnaires used in the experimental studies.

Question	Means/SD
[1.4] Previous understanding of the text domain very familiar = 1; not familiar at all = 5	M = 3.28 $\sigma$ = 1.51
[2.1] Difficulty in using the program very difficult = 1; very easy = 5	M = 3.43 $\sigma$ = 0.38
[2.2] Difficulty in drawing the map very difficult = 1; very easy = 5	M = 3.14 $\sigma$ = 1.08
[2.3] Difficulty in using the mapping tools very difficult = 1; very easy = 5	M = 3.00 $\sigma$ = 1.15
[2.4] Misunderstanding of concepts never = 1; always = 5	M = 2.14 $\sigma$ = 1.22
[2.5] Misunderstanding of canonical link names very difficult to understand = 1; very easy to understand = 5	M = 3.71 $\sigma$ = 1.27
[2.6] How the program inform the learner what is going on never = 1; always = 5	M = 4.14 $\sigma$ = 1.23
[2.7] Readability of feedback messages hard to read = 1; easy to read = 5	M = 4.29 $\sigma$ = 0.73
[2.8] Clarity of feedback messages confusing = 1; clear = 5	M = 3.86 $\sigma$ = 0.67
[2.9] Utility of feedback messages not helpful at all = 1; very helpful = 5	M = 3.57 $\sigma$ = 0.98
[3.1] Learning to operate the program very difficult = 1; very easy = 5	M = 3.57 $\sigma$ = 0.98

## E.2 Survey Questionnaire Analysis

Question	Means/SD
[3.2] Program's potentiality for teaching mapping very little = 1; very much = 5	M = 4.57 $\sigma = 0.55$
[3.2] Program's potentiality for improving reading comprehension very little = 1; very much = 5	M = 4.14 $\sigma = 0.70$

**TABLE E-1: QUESTIONNAIRE SURVEY SUMMARY**

