

APPENDIX **E** POST-SESSION EVALUATION QUESTIONNAIRE

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.

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E.2 Survey Questionnaire Analysis

Table E–1 presents media (M) and standard deviation (σ) 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

