

UNIVERSITEIT TWENTE.

FINAL PROJECT THESIS

Developing a Tool for Learning Concept Maps

Author:

M.C. VAN DEN ENK

[s1004654]

m.c.vandenenk@student.utwente.nl

Supervisor:

dr. A.H. Gijlers

a.h.gijlers@utwente.nl

March 18, 2016

Contents

I	Design	3
	Introduction	4
	Conceptual Framework	5
	Paired-Associate Learning	5
	Testing Effect	5
	Flashcards	5
	Research	5
	Concept Maps	5
	Concept Mapping	6
	Paired-associate Learning	7
	Design Guidelines	8
	Summary	9
II	Research Proposal	10
	Summary	11
	Project Description	12
	Problem Statement	12
	Theoretical Conceptual Framework	12
	Research Question and Model	12
	Scientific and Practical Relevance	12
	Research Design and Methods	13
	Research design	13
	Respondents	13
	Instrumentation	13
	Procedure	13
	Data Analysis	13
	Planning	14
	Timeline	14
	Outputs	14

Part I

Design

Introduction

Conceptual Framework

Paired-Associate Learning

Testing Effect

Flashcards

Research

Effectiveness

Student attitudes

Concept Maps

Concept Mapping

Paired-associate Learning

Design Guidelines

Summary

Part II

Research Proposal

Summary

Here follows a summary of maximum 250 words.

Project Description

Problem Statement

Theoretical Conceptual Framework

Research Question and Model

Scientific and Practical Relevance

Research Design and Methods

Research design

Respondents

Instrumentation

Procedure

Data Analysis

Planning

Timeline

Outputs