UNIVERSITEIT TWENTE.

FINAL PROJECT THESIS

Developing a Tool for Learning Concept Maps

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Part I Design Plan

Design Plan a780d4d

Flashcards

Scheduling

General order of presenting nodes

Rescheduling of nodes

Spaced repetition

Breaks during learning session

Evaluation of Response

Evaluation by the student himself

Automatic evaluation

a780d4d Design Plan

Concept Maps

Directed or Undirected Graph
Cyclic or Acyclic graphs
Traveling route through graph
Incomplete concept maps

Design Plan a780d4d

Feedback

Tracking of Progress

Feedback during Learning

a780d4d Design Plan

Software Implementation

Server

Python

Java

Client

Javascript

Sigma

Cytoscape

Vis.js

D3

Database Format and Network Protocol

MySQL

JSON

DOT Language

Part II Research Proposal

a780d4d Research Proposal

Summary

Here follows a summary of maximum 250 words.

Research Proposal a780d4d

Project Description

Problem Statement

Theoretical Conceptual Framework

Research Question and Model

Scientific and Practical Relevance

a780d4d Research Proposal

Research Design and Methods

Research design

Respondents

Instrumentation

Procedure

Data Analysis

Research Proposal a780d4d

Planning

Timeline

Outputs