

Design and system implementation for portal Andromedia with using relation database

Diploma thesis

Author: **Ing. Tomáš Velický**

Supervisor: **PhDr. Mgr. Jan Pokorný, Ph.D.**

Abstrakt

The aim of this diploma thesis is the design, implementation and development of database applications for portal Andromedia using database technology. The solution is designed as an information base for continuing professional education. The purpose of the databank is gradually collect information of trends and analyzes in the field of continuing education, ideas and practices, methods, teaching aids, case studies, tests and other guidelines and sources of information. Author documented the results of the analysis of the problem and created solution using methods of project management solutions. The new solution is graphic design, database design and description using the RF model, and UML diagrams. Technologies used in the design databank are the programming language PHP and MySQL relational database. The conclusion evaluates the success of database applications implementation, where is the most interesting findings that the application is used very often in the exam period, when it was mostly used by students to obtain the most suitable materials for self-study. Subsequently, it proposes steps to further improve the sustainability of the project and a proposal to improve store metadata for each document, implement XML format for easy distribution records and subsequent implementation of connection to social networks, which could reach a wider number of contributors and this is associated with fulfilling the database with quality and valuable records.