

Thesis résumé

Thesis Subject:

Web-Environment for Collaborative Project Management- Presentation Layer

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Study Subject:

Computer Science

MSc Program:

Distributed Systems and Mobile Technologies

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Summary Annotation:

A part of the diploma paper contains a narrow research of the specific needs for software, aimed in planning and management of projects in the field of higher education and science. It concerns projects, developed on the basis of collective work and team's self- arrangement. However, a much considerable share of the diploma consists of the creation of the business logic and the persistence layer of a web-based application for operative management of projects, which ensures the cooperation amongst the different members via providing:

- workspaces:
 - shared - by projects/ communities;
 - personal - owned by each member of the system;
- project work plan realization via tasks management;
- remote access to project/ community resources- tools for work with documents and folders;
- control of access rights in public, project/ community, and personal workspaces;
- communication services- messages;
- support of a contact book;
- opportunities for planning via calendars, reminders, etc.

The business logic is entirely developed in Java programming language and for the persistence layer is chosen MySQL, the world's most popular open source database.

Key words:

- project management, partners, collaboration, communication, team work, workspaces, cooperative decision making, freedom of self-arrangement, work plan, tasks, messages, access rights, contacts, planning, calendar, reminder, project/ community member, project/ community coordinator, resources, sharing, folder, document, exchange of information;
- Business logic, Persistence layer, Domain model, database, Java, RBAC (Role based access control), request cycle.