CSE 3105 / CSE 3137

OBJECT-ORIENTED ANALYSIS AND DESIGN

FALL 2024

COURSE PROJECT: *LIBRARY MANAGEMENT SYSTEM*

Project Proposal Document

Group 5

Berke Alpaslan - 210316016

Mert Doğan Aygün - 210316076

Gül Yeşilgil - 220316055

Birhat Taş - 190315010

Tural Mammadov - 190316001

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Project Name: University Library Management System (ULMS)

Motivation

The increasing demand for digital tools in modern educational environments calls for an efficient system that manages library services. A Library Management System will simplify the process of borrowing, returning, and tracking books while providing a streamlined experience for both students and library staff. This system will support the growing needs of digital libraries and automate tasks that are time-consuming when handled manually.

Objective

The objective is to design a Library Management System that facilitates the borrowing and returning of books, tracks inventory in real-time, and allows students and staff to manage their library interactions with ease. The system will provide a user-friendly interface for students to search and reserve books, while administrators will benefit from an efficient inventory management system.

Main Intended Features

- Book search and reservation system
- Automated borrowing and return processes
- Real-time book availability tracking
- Notifications for overdue books and return reminders
- Administrator interface for managing book inventory and user accounts
- User account management with borrowing history and fines

Distribution of Work

The work will be divided equally among the team members as follows:

- **Birhat Taş**: Researching existing library management systems and identifying core features.
- **Berke Alpaslan**: Designing the book borrowing, return, and reservation functionalities.
- **Mert Doğan Aygün**: Developing the inventory management system for administrators.
- **Tural Mammadov**: Creating the user interface for both students and staff.
- **Gül Yeşilgil**: Compiling the project proposal and ensuring documentation of system objectives and features.

Meeting Minutes

Date:	08/10/2024
Location:	Online
Duration:	30 min
Participants:	Berke Alpaslan, Mert Doğan Aygün, Gül Yeşilgil, Birhat Taş, Tural Mammadov

Content of the meeting (briefly explain the agenda, decisions, work distributions, etc.)
We held a brief discussion via messaging to determine our project topic and task distribution.