

**CSE 3105 / CSE 3137**

**OBJECT-ORIENTED ANALYSIS AND DESIGN**

**FALL 2024**

**COURSE PROJECT: *LIBRARY MANAGEMENT SYSTEM***

***Project Proposal Document***

***Group 5***

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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**

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| **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. | |