

Meet our Team

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Introduction

Project Title

Library Management System
(LMS)

Technology Stack

MERN Stack (MongoDB, Express.js, React.js,
Node.js)

Overview

Our project is a web-based Library Management System designed to digitize and streamline library operations. The system has two main user roles: Admin & User

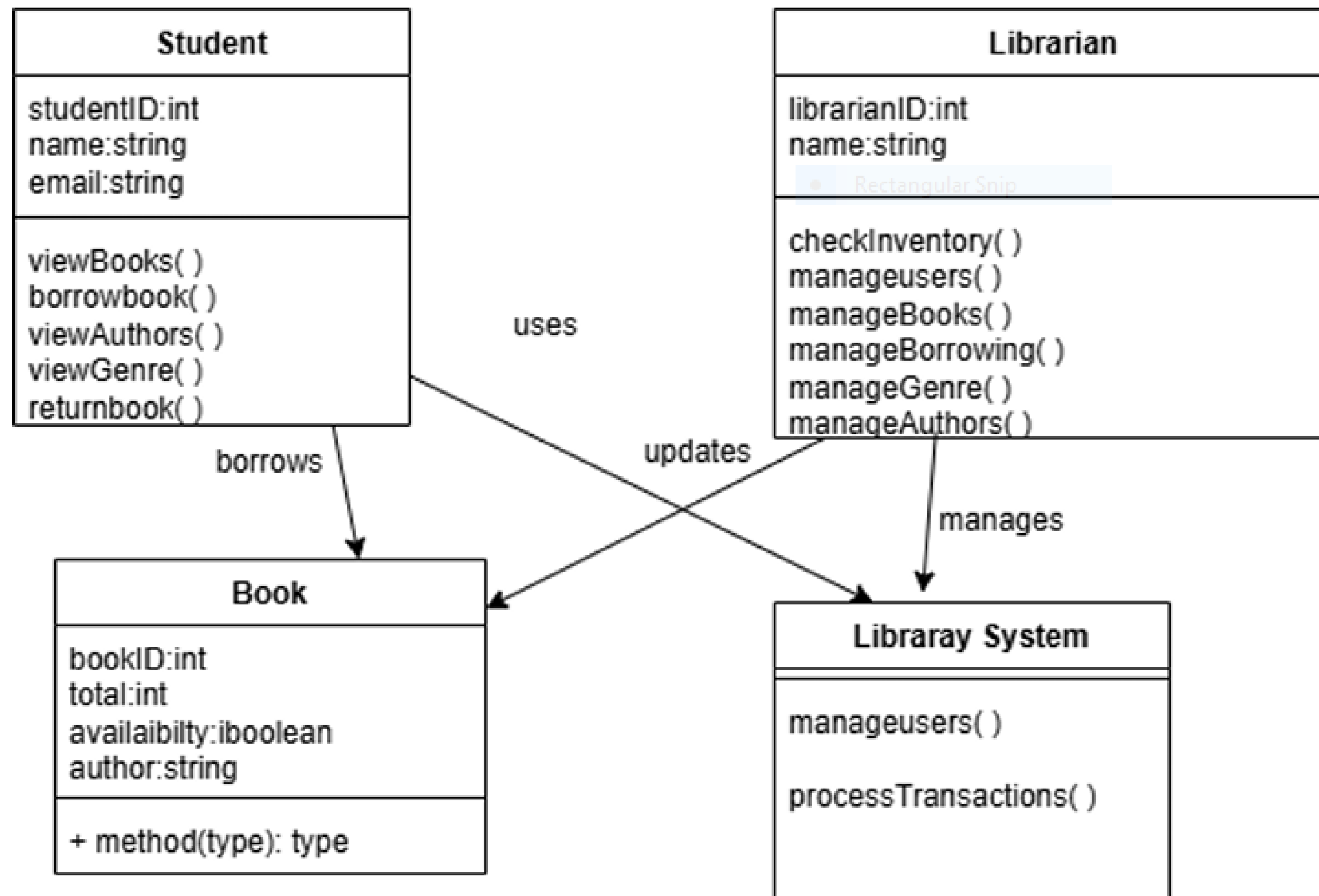
Functional Requirements

1. Students should be able to search for books by title, author, or genre.
2. Students should be able to borrow available books.
3. Students should be able to return borrowed books.
4. Librarians should be able to check inventory.
5. Librarians should be able to manage users
6. Librarians should be able to manage book records
7. The system should authenticate users based on their roles.
8. The system should generate reports on book availability and user activity.

Non Functional Requirements

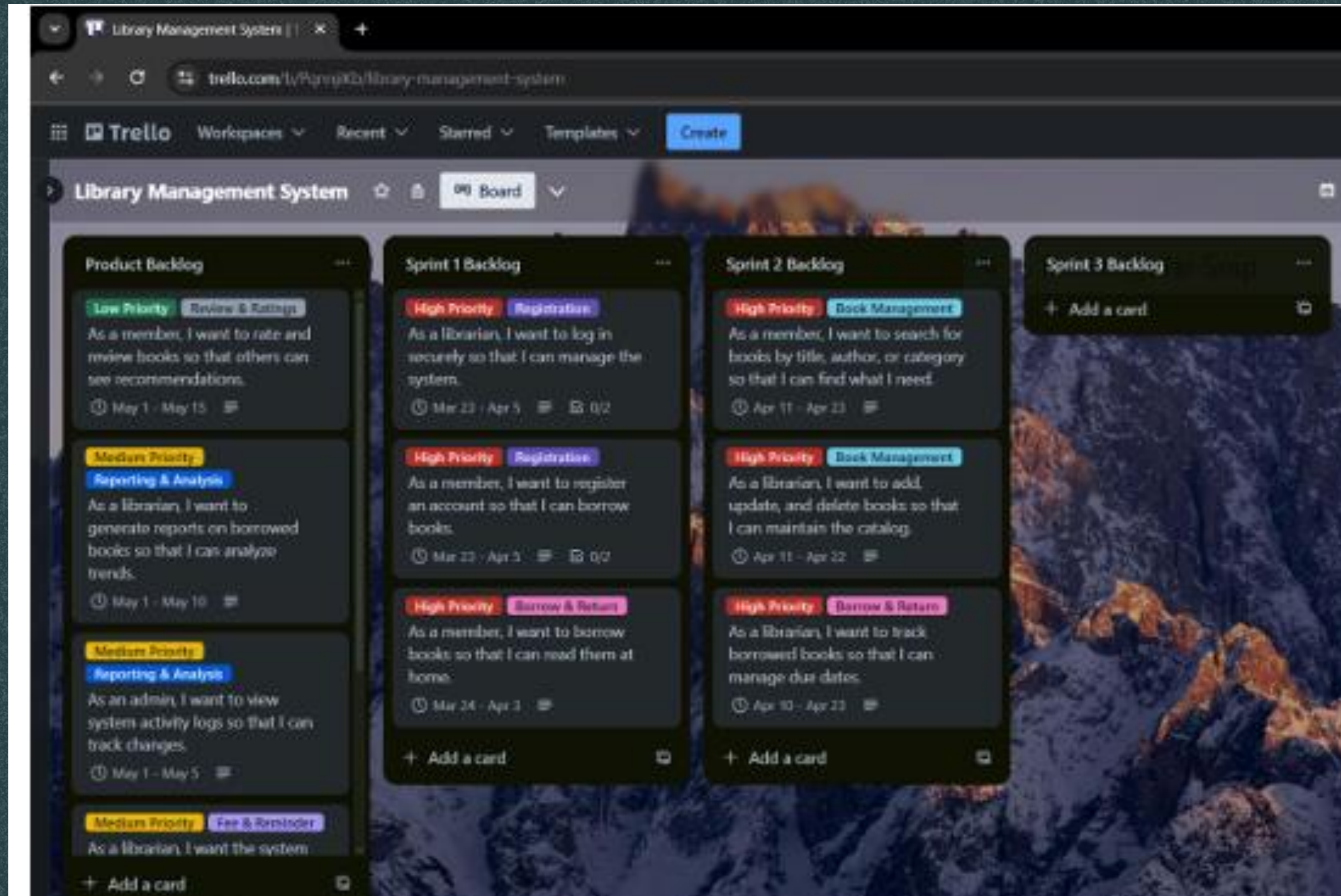
- **Product Requirements**
- **Organizational Requirements**
- **External Requirements**

Class Diagram

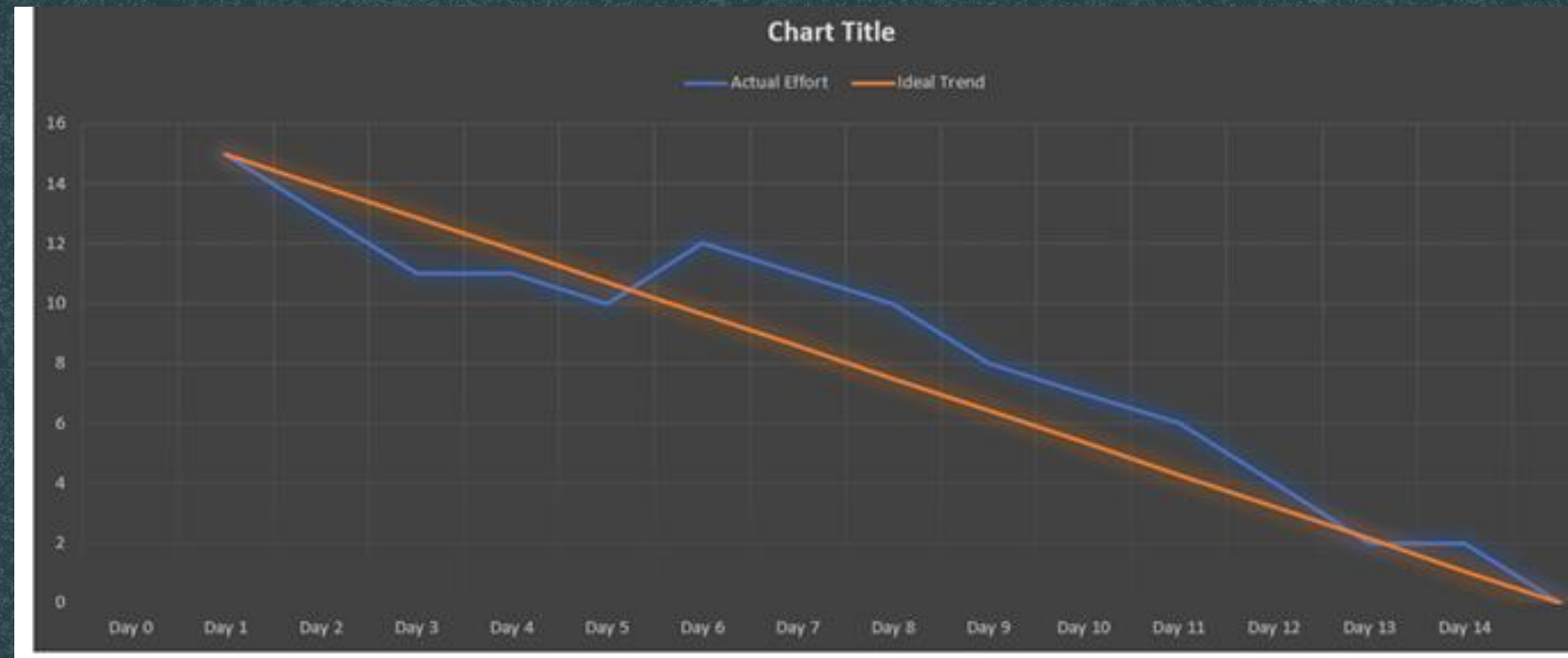


Architecture Diagram

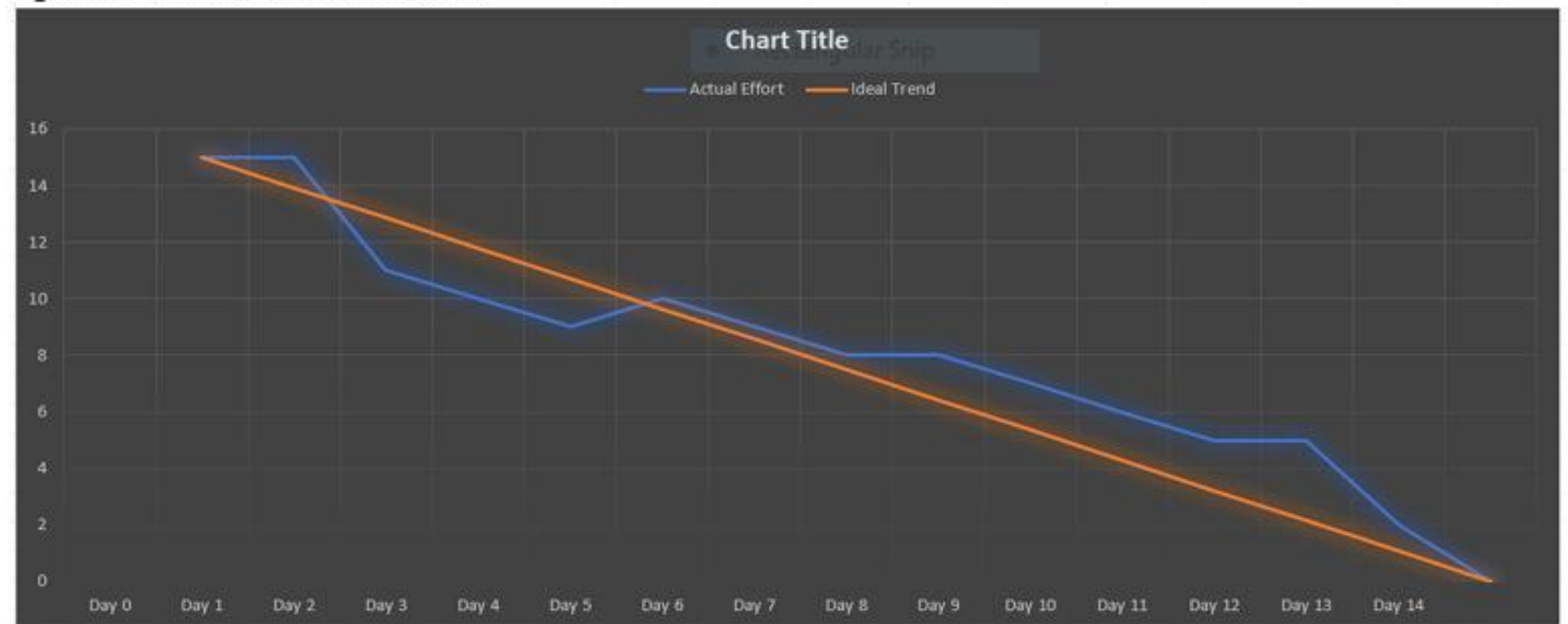
Sprint Backlog



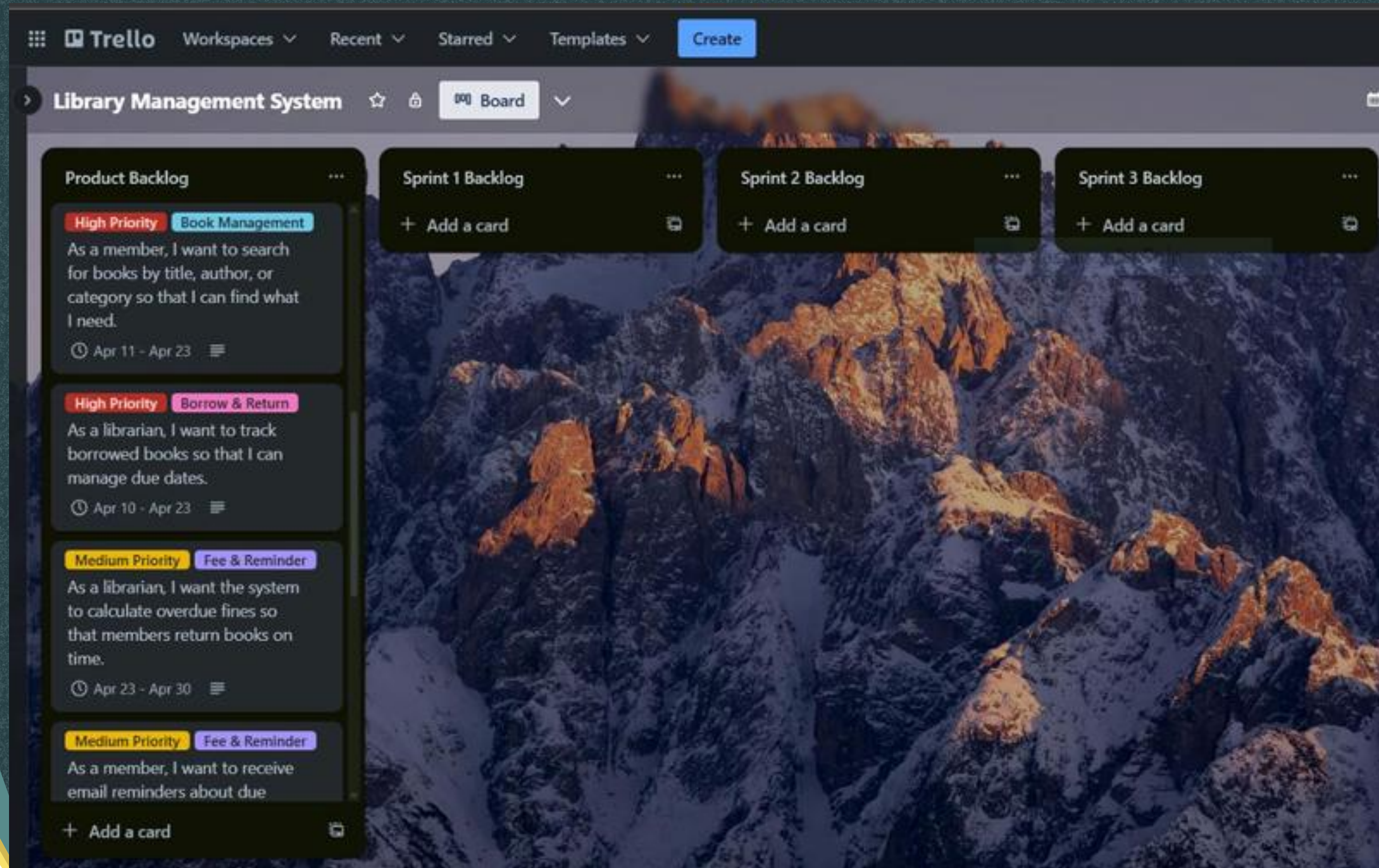
Sprint Burndown Charts



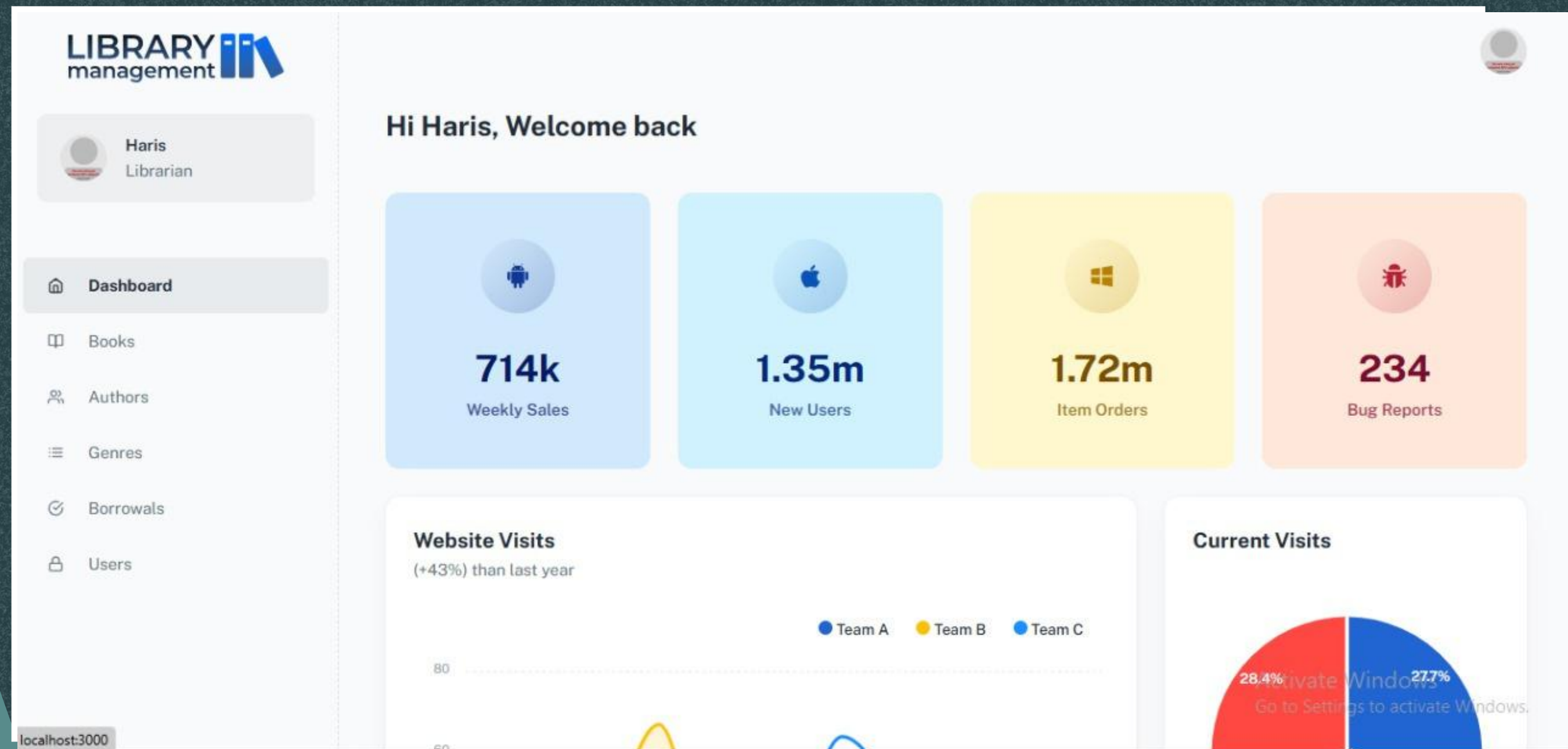
Sprint 2 Burndown Chart:



Product Backlog



Implementation SS



Work Division

- **Requirement Analysis & UI Design: Zarnab Javed**
- **Backend Development: Muhammad Haris Ali**
- **Testing and Deployment: Daniyal Babar**

What we have learnt?

- **Team collaboration**
- **Problem solving**
- **Time Management**
- **Technical skills**

THANK YOU



ANY
QUESTION?