

Database diagrams

Entity-relationship diagram

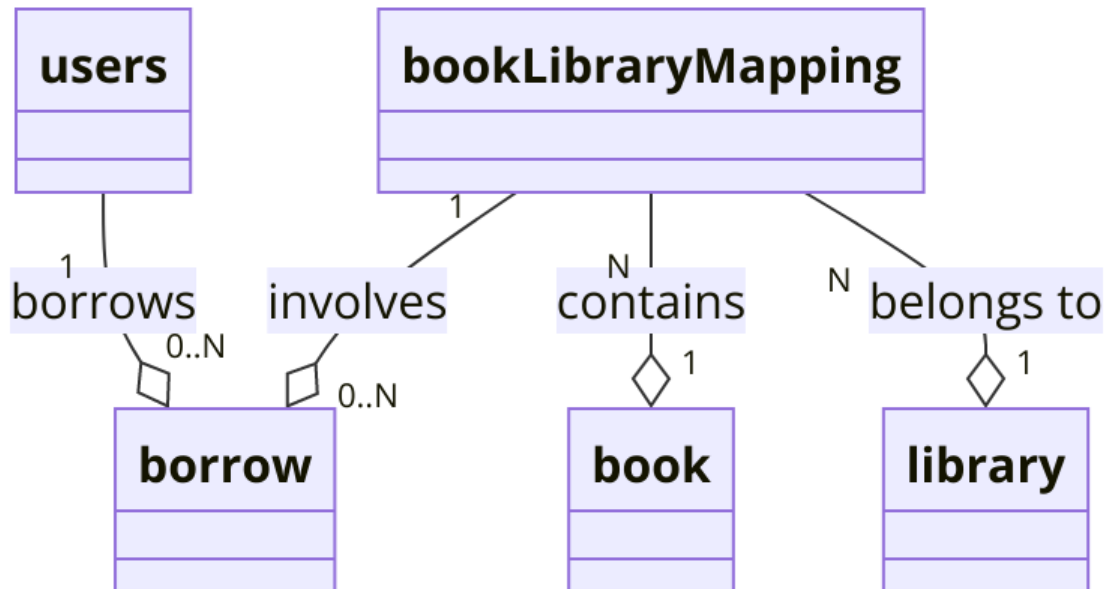
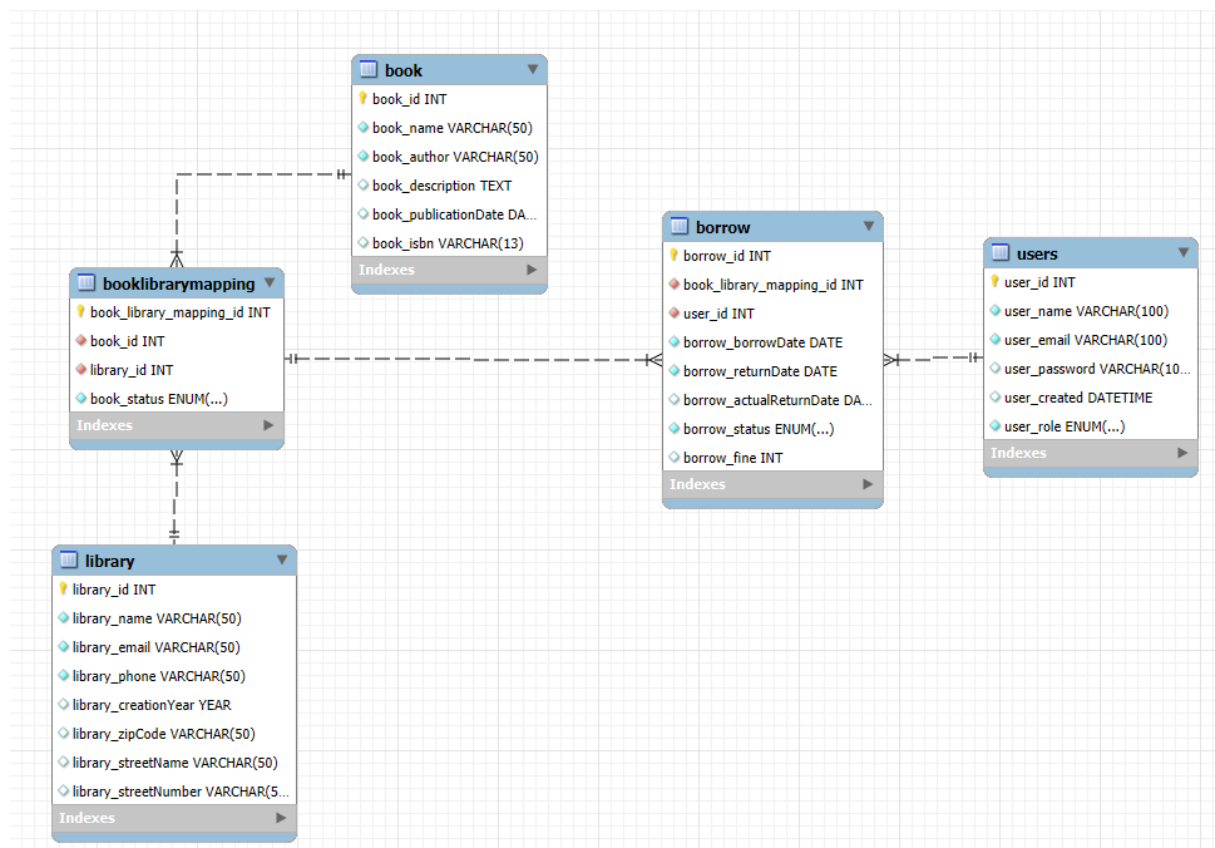
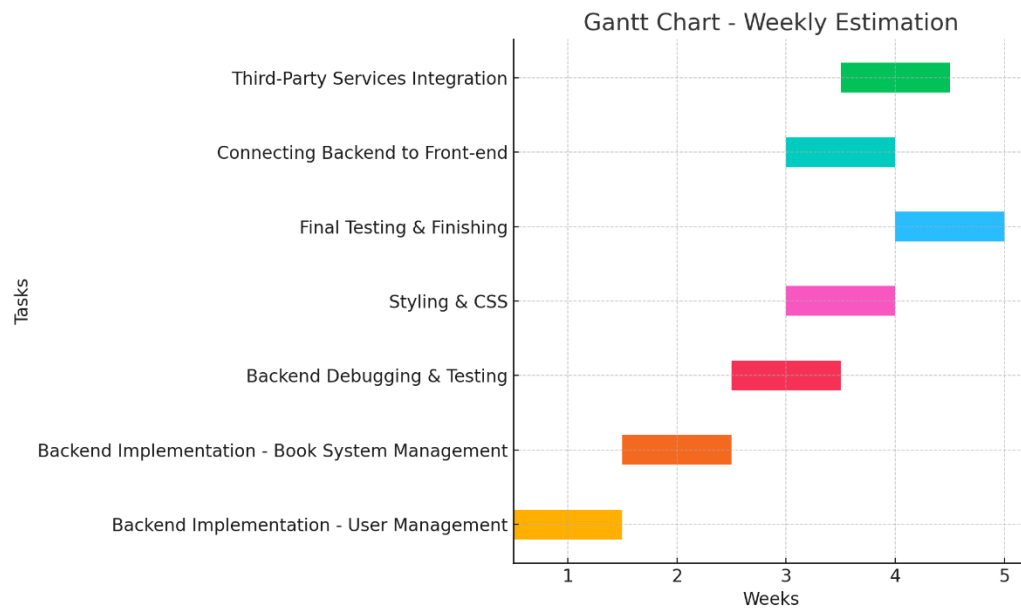


Table structure diagram



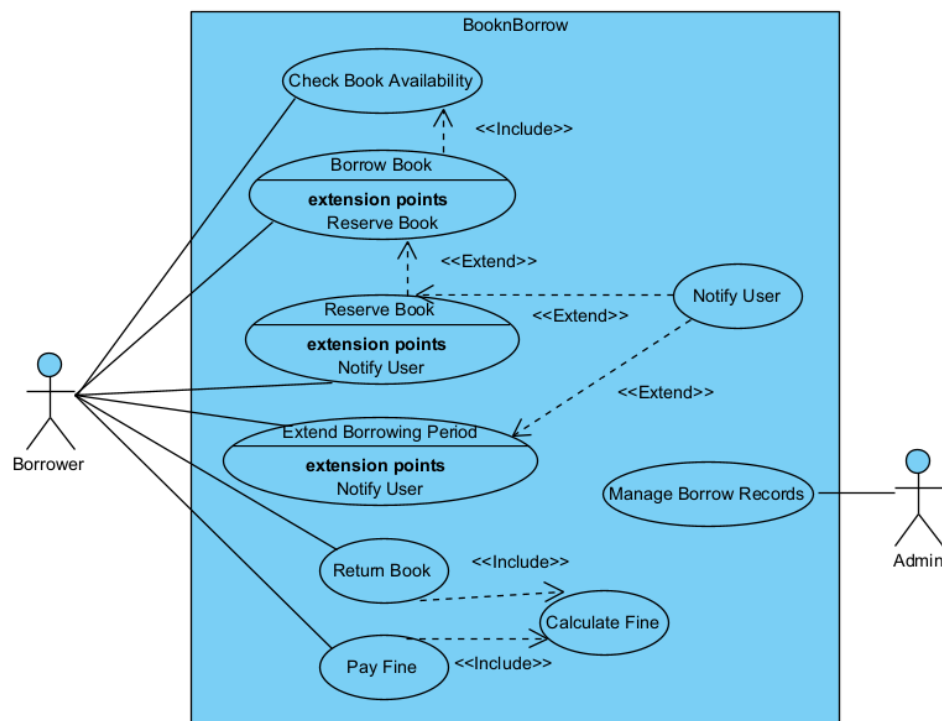
Planned gantt diagram



Use case diagrams

Borrowing Process Use Case Diagram

uc [Borrowing Process]

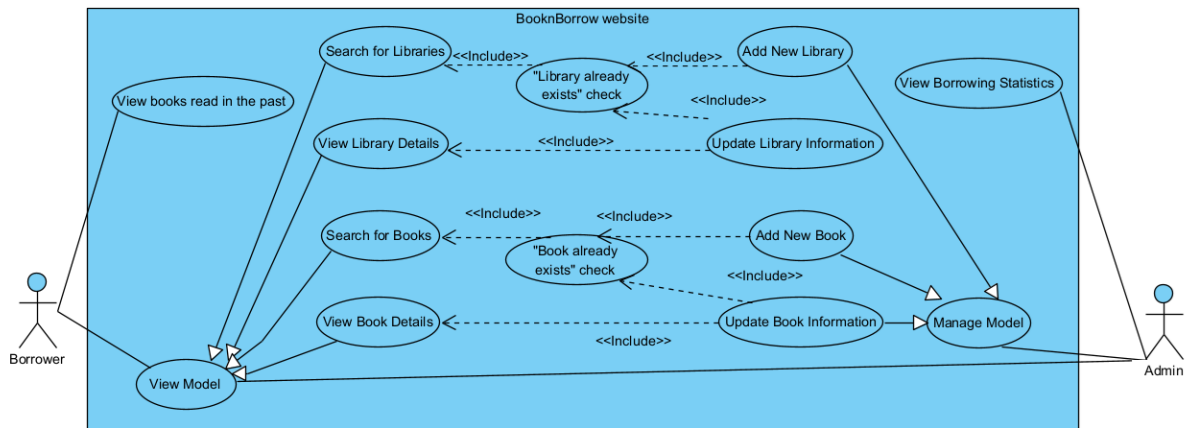


- Actors: User, Admin

- Use Cases: Borrow Book, Reserve Book, Return Book, Check Book Availability, Extend Borrowing Period, Pay Fine (User), Manage Borrow Records (Admin).

Library and Book Management Use Case Diagram

uc [Library and Book Management]

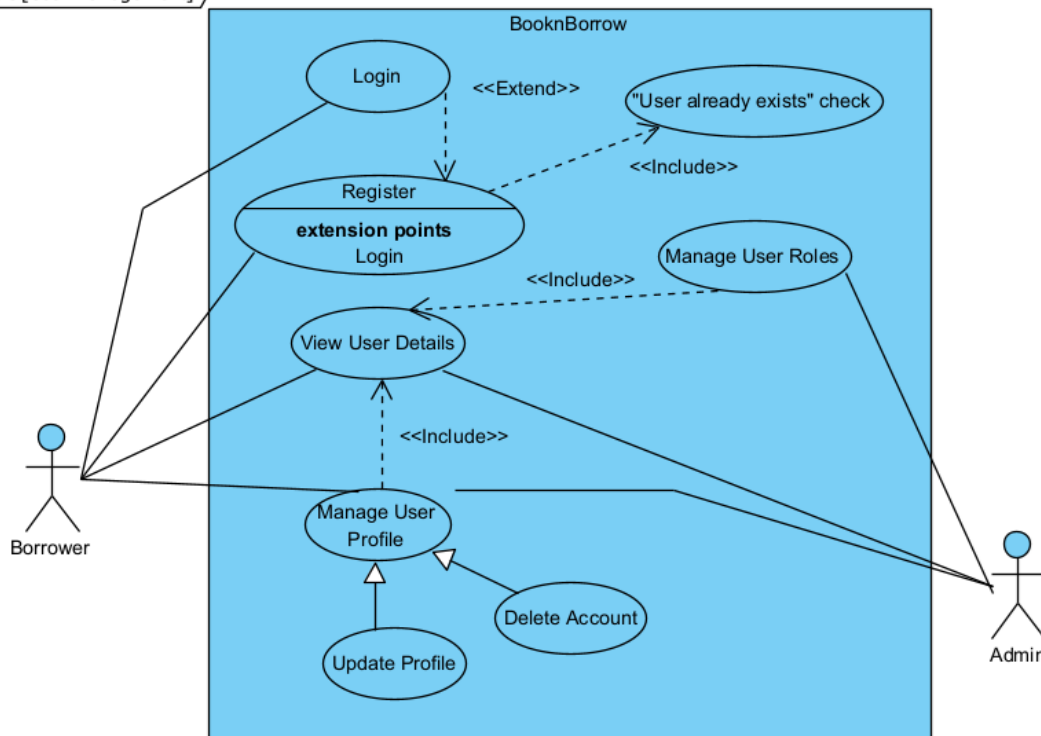


- Actors: Admin, User

- Use Cases: Add New Library (Admin), View Library Details, Add New Book (Admin), View Book Details, View books read in the past, Update Book Information (Admin), Search for Books, View Borrowing Statistics (Admin).

User Management Use Case Diagram:

uc [User Management]



- Actors: Admin, User

- Use Cases: Register, Login, Update Profile, View User Details, Manage User Roles (Admin only), Delete Account, Manage Users (Admin only).