

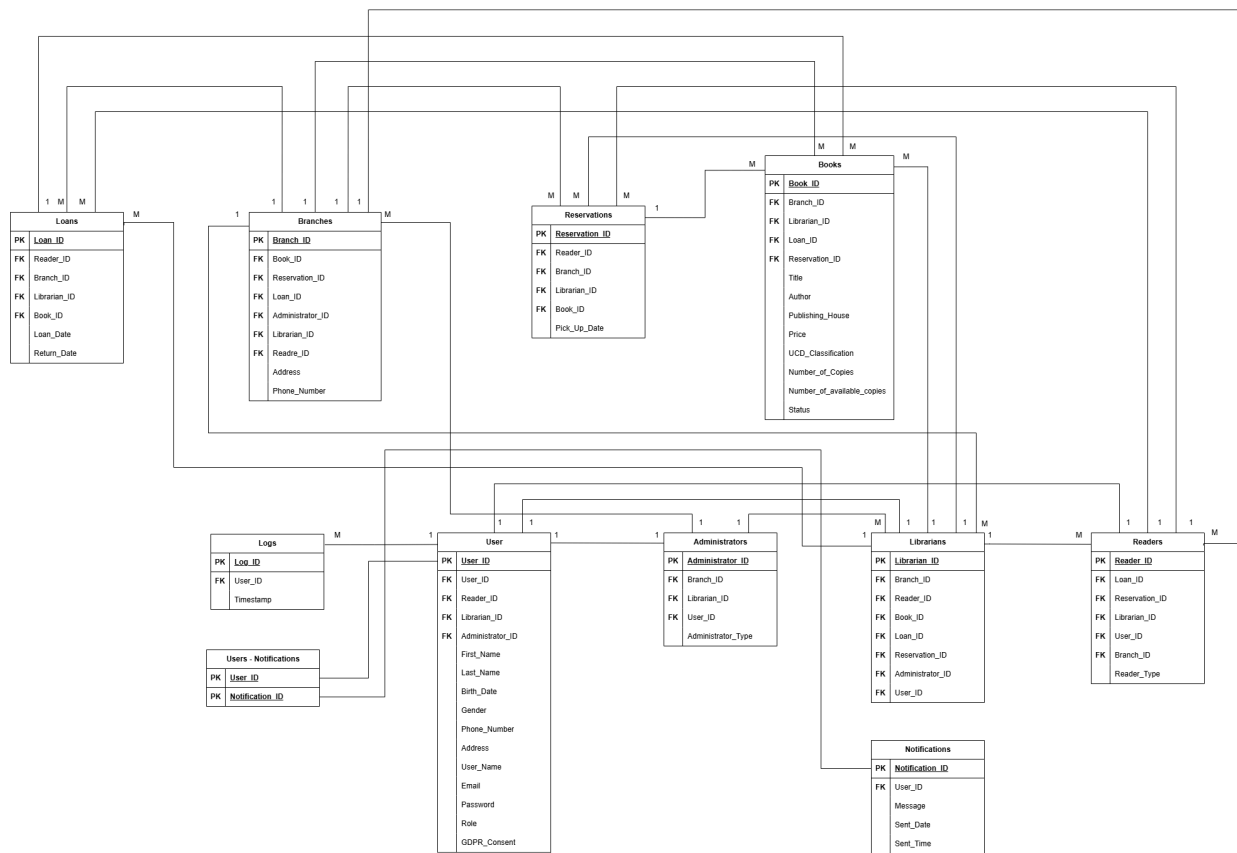
# Smart Library Management System Diagrams

Prepared by: Constantin Monica-Andreea

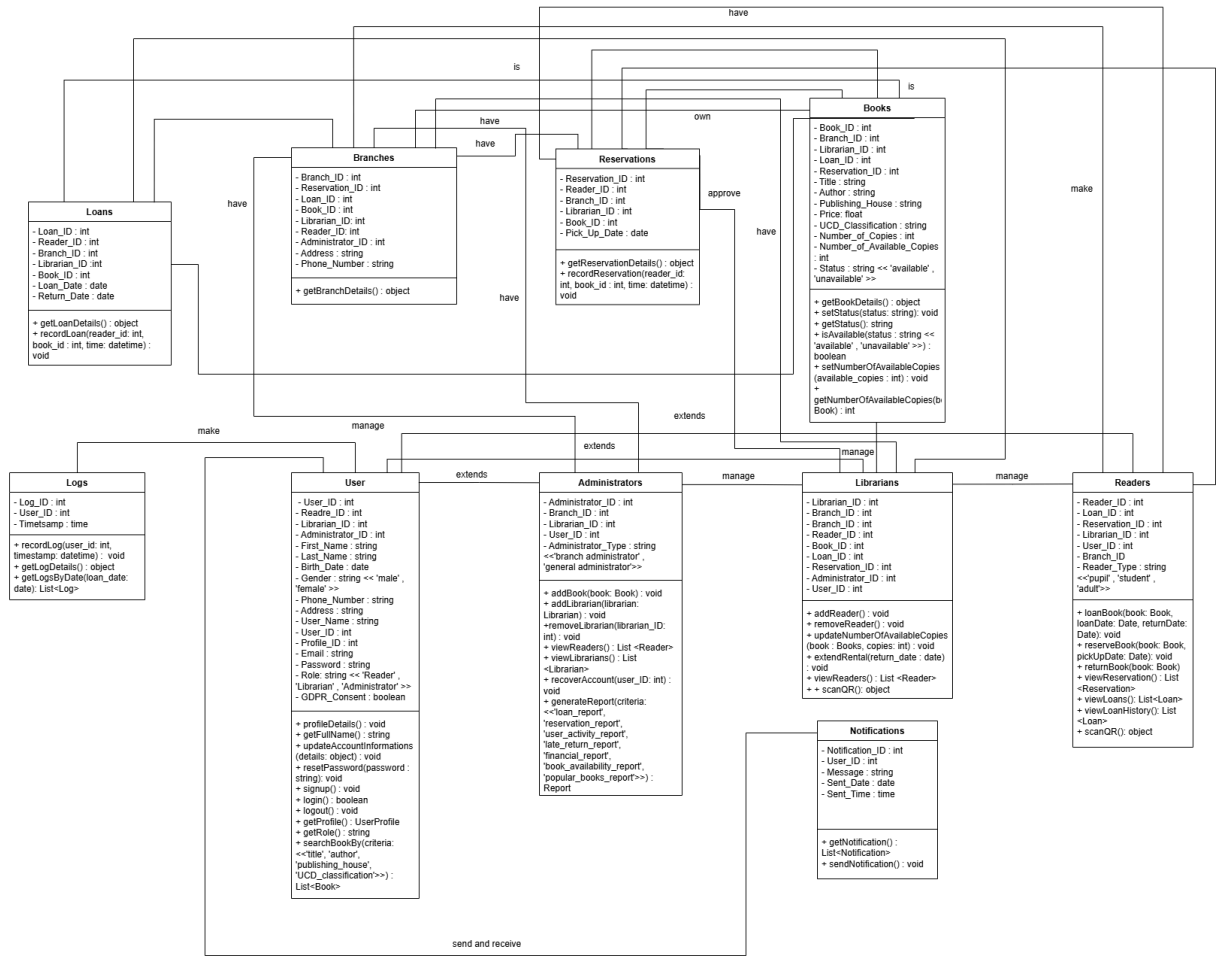
Popa Oana-Maria

Ruieneanu Dorian

## 1. The Relational Model of the Database

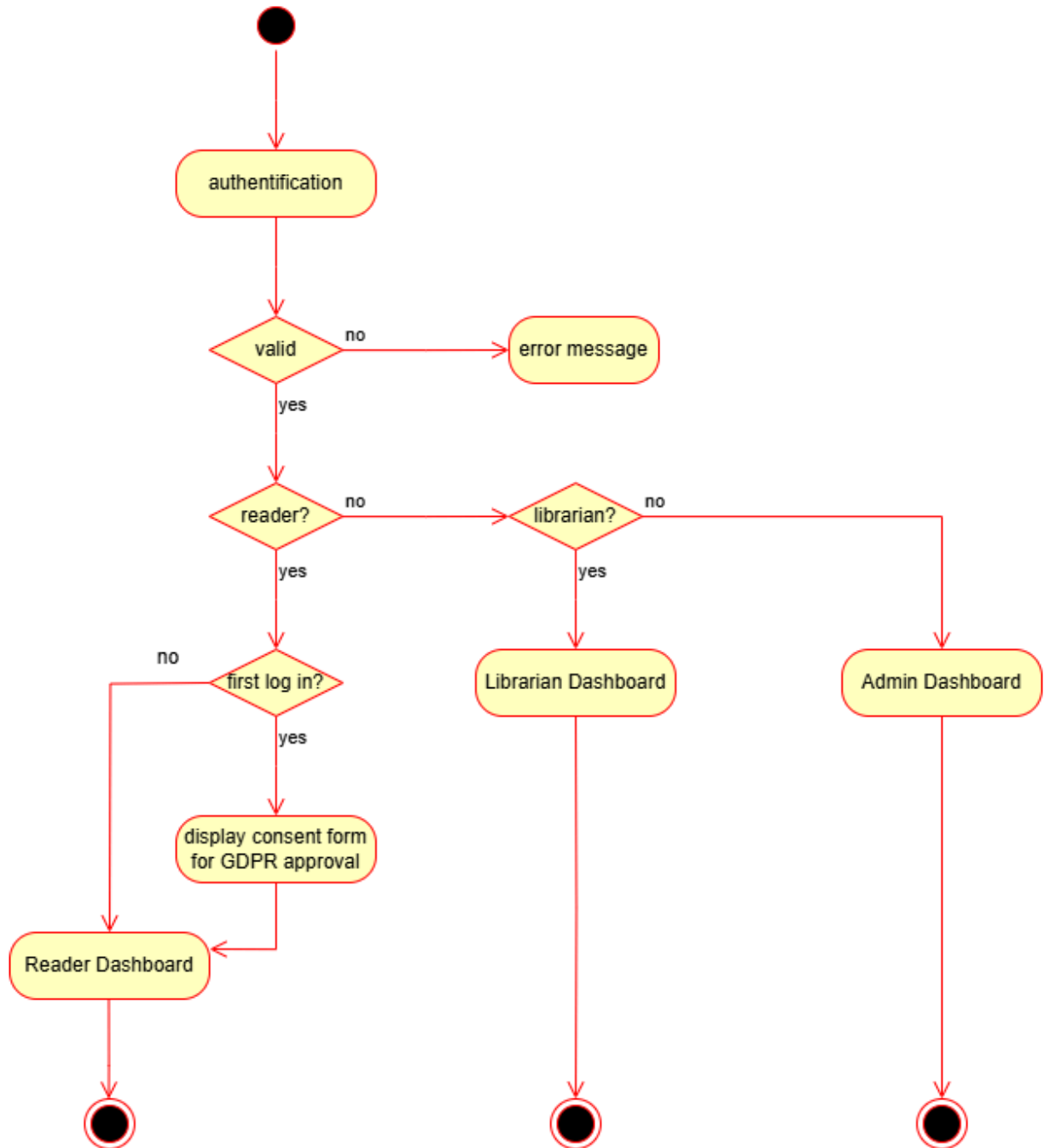


## 2. Class Diagram

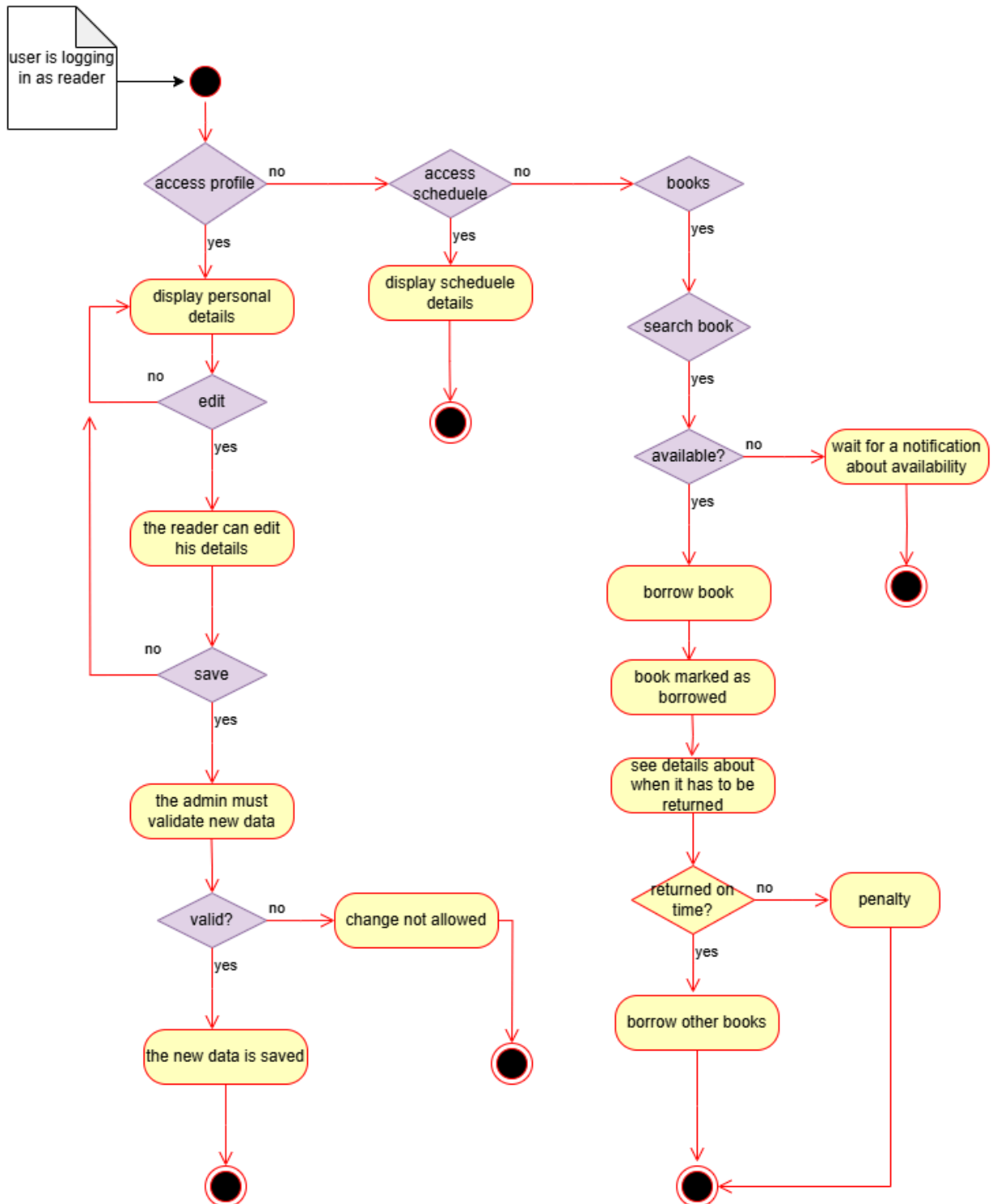


### 3. Activity Diagrams

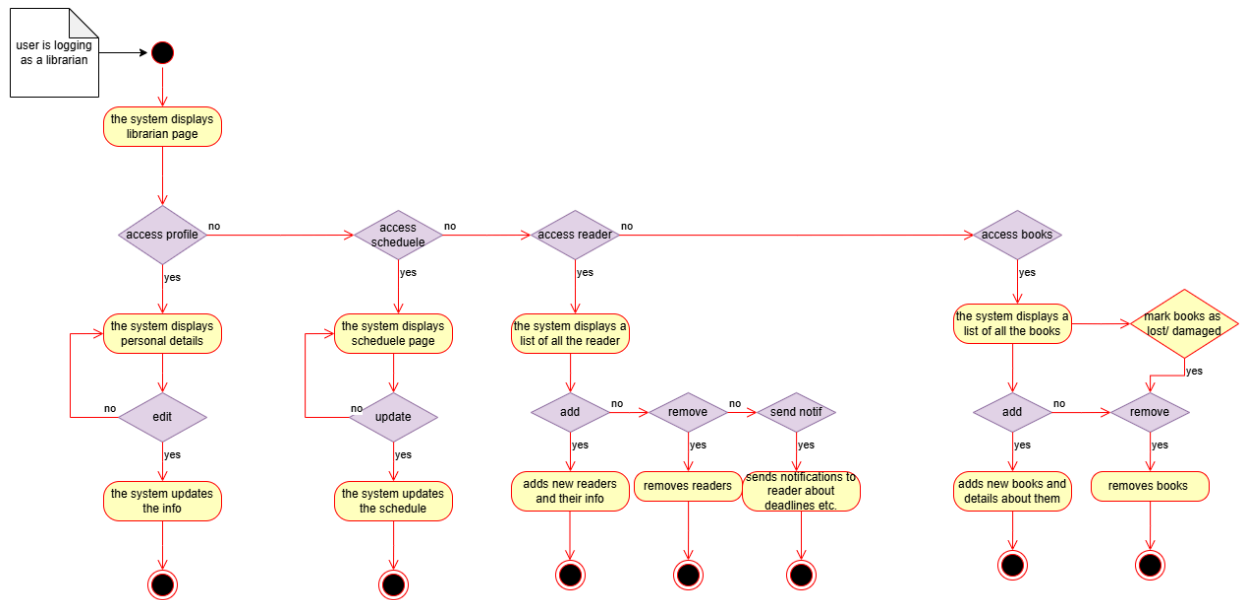
#### a. Authentication



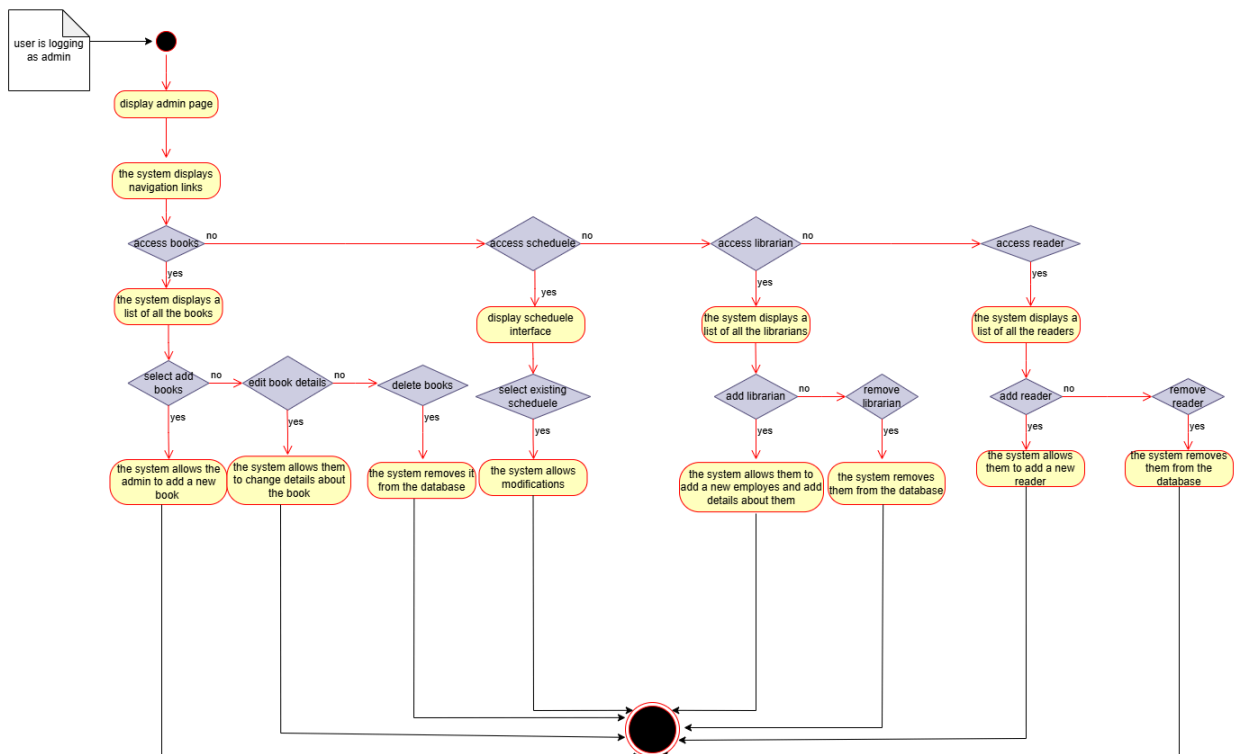
## b. Reader



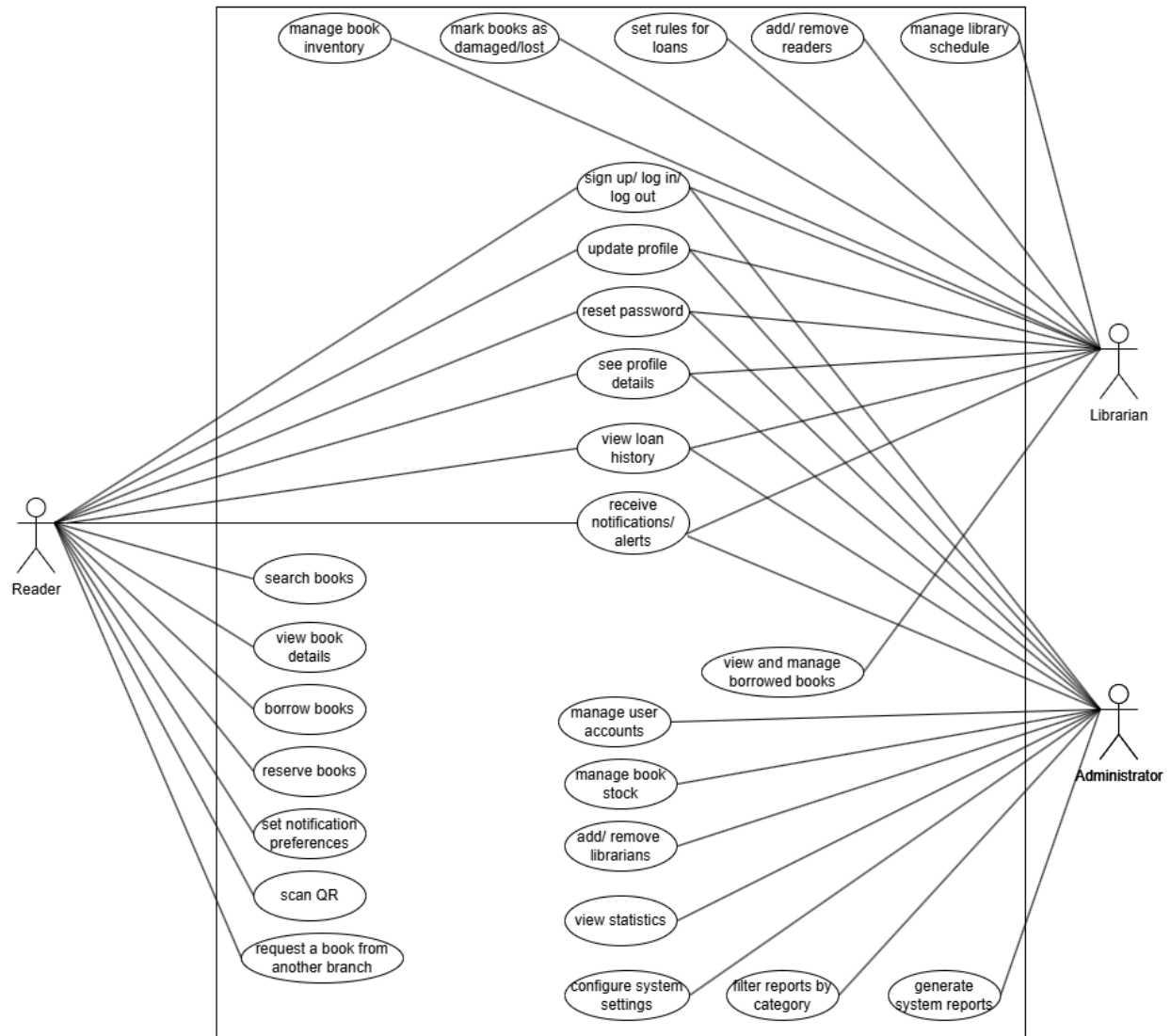
### c. Librarian



### d. Administrator

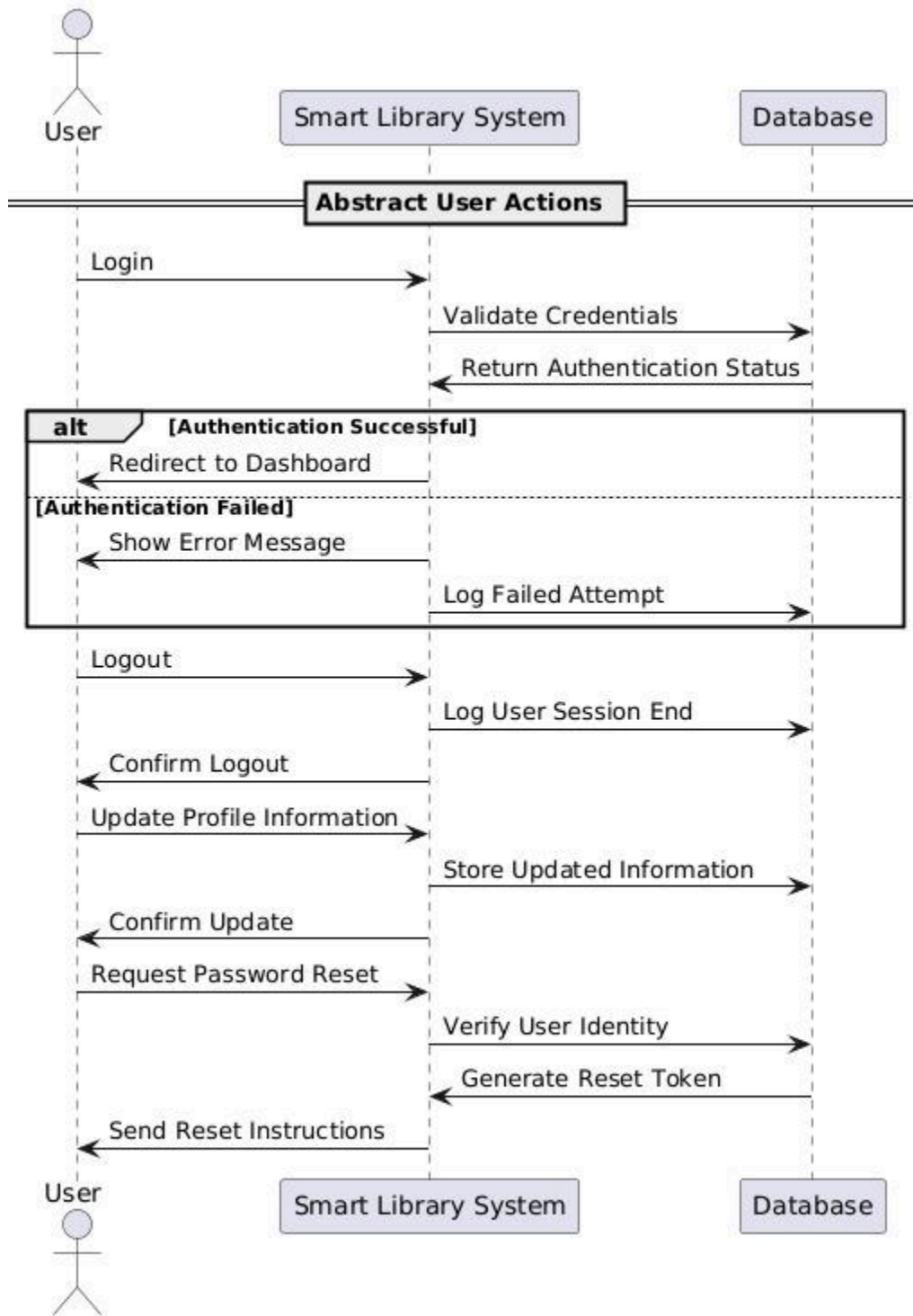


#### 4. Use Case Diagram

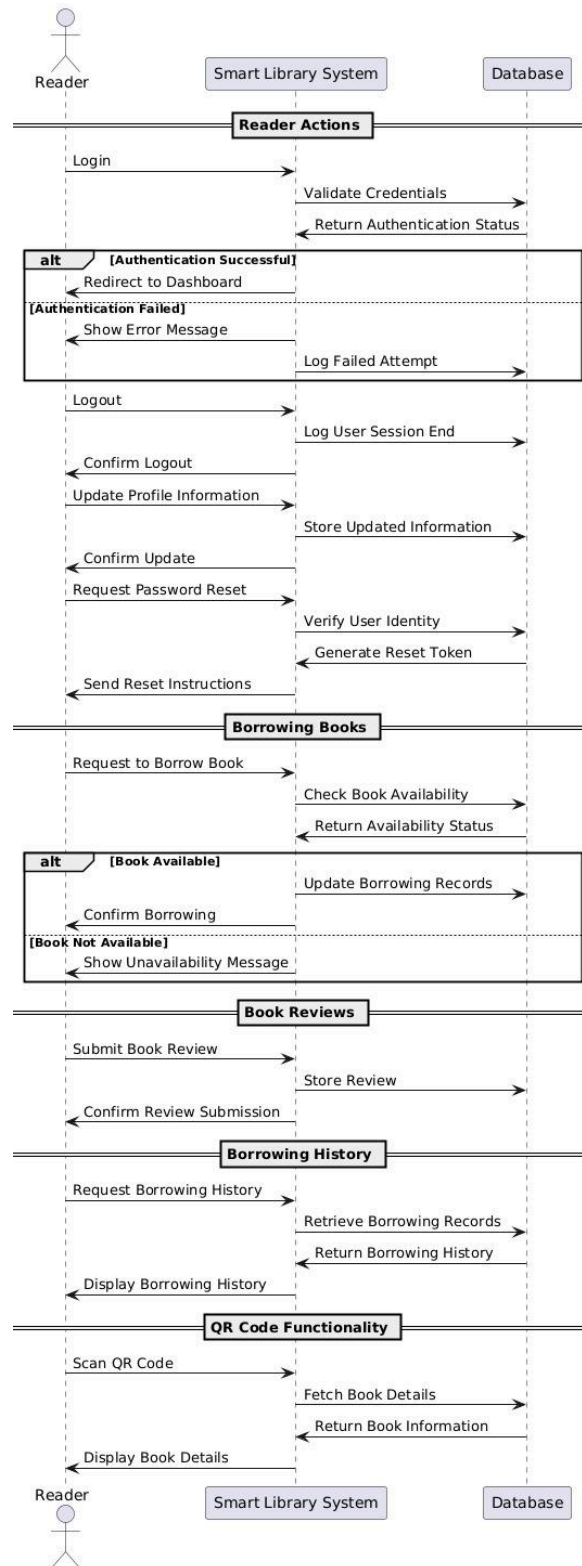


## 5. Sequence Diagrams

### a. User

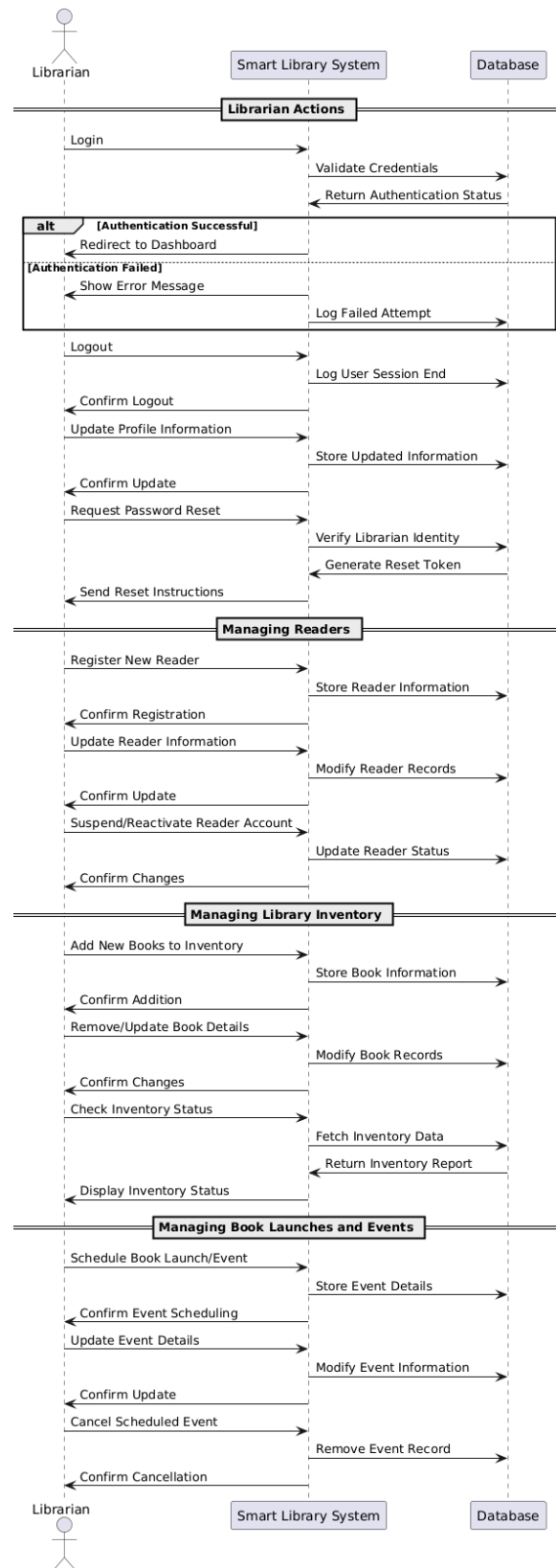


## b. Reader

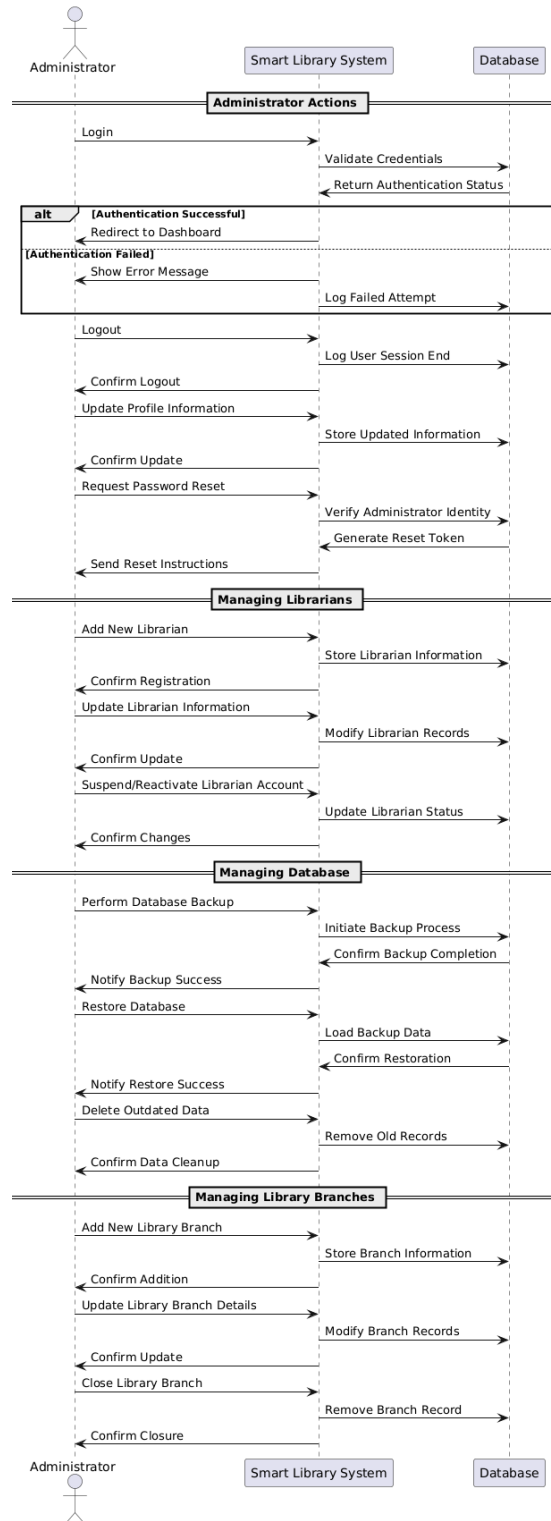




## c. Librarian



## d. Administrator



## 6. Jira TaskBoard

The screenshot shows the Jira TaskBoard interface for the 'Smart Library' project. The left sidebar contains navigation options: 'For you', 'Recent', 'Starred', 'Apps', 'Plans', and 'Projects'. The main area displays a list of sprints and tasks. The right sidebar shows the 'Set up Git repository' issue details, including reporter, priority, due date, and assignee.

**Smart Library**

Summary | Timeline | Backlog | Board | Calendar | List | Forms | Goals | Code | Archived issues | Pages | Shortcuts

Search timeline

Sprints

- SL-5 Notifications & Alerts
- SL-7 Security & Performance Enhancements
- SL-8 UI/UX
- SL-9 Deployment & Maintenance
- SL-3 Library Catalog & Book Management
- SL-1 Project Setup & Architecture
  - SL-11 Configure Spring Boot backend
  - SL-10 Set up Git repository
  - SL-12 Define database schema & ERD
- SL-2 Authentication & User Management
- SL-4 Loan & Reservation Management
- SL-6 Reports & Analytics
- SL-38 Database
- SL-53 JAVA Spring Backend

**Set up Git repository**

Details

Time tracking: No time logged

Reporter: DORIAN RUTENEANU

Priority: High

Labels: None

Due date: Apr 25, 2025

Assignee: DORIAN RUTENEANU

Start date: None

Development: Create branch, Create commit

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Search timeline

Sprints

- SL-20 Send due date reminders
- SL-41 Implement JavaScript panel for notific...
- SL-65 Send emails about upcoming books and...
- SL-7 Security & Performance Enhancements
  - SL-23 Encrypt sensitive data (PASSWORD)
  - SL-52 Use HTTP for security
- SL-8 UI/UX
  - SL-24 Implement dark/light mode
  - SL-27 Implement CSS Styling Using Bootstrap
  - SL-36 Implement Log in interface for librarian
  - SL-37 Implement Log interface for admin
  - SL-35 Implement Log in interface for user
  - SL-28 Implement Html Home Page
  - SL-29 Implement Html profile page
  - SL-30 Navigation Bar / Hamburger Menu
  - SL-31 Implement Html Book Page
  - SL-33 Implement Html interface for Librarian
  - SL-34 Implement HTML interface for Admin

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