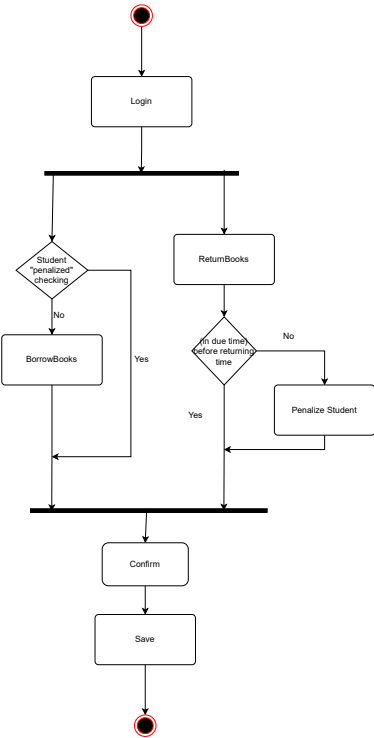
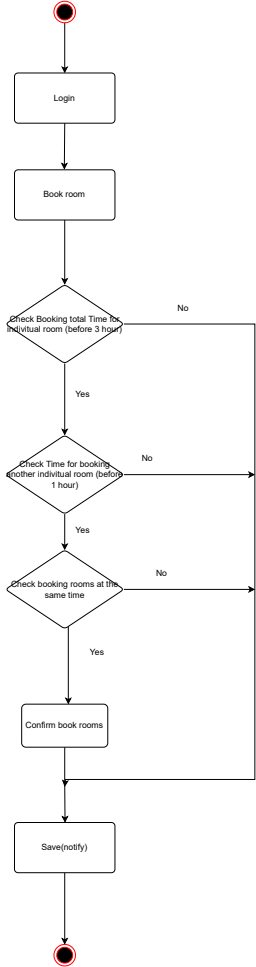


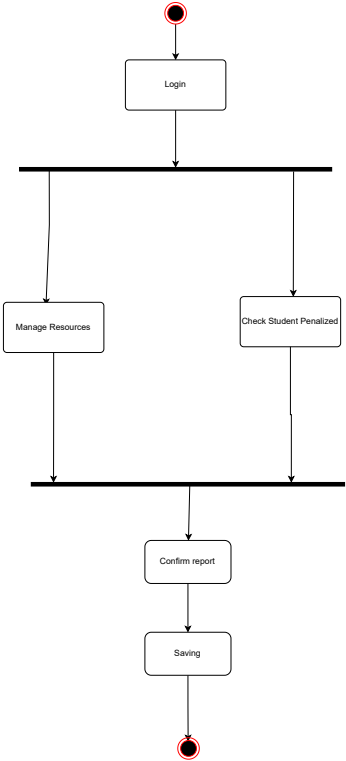
Student with books function

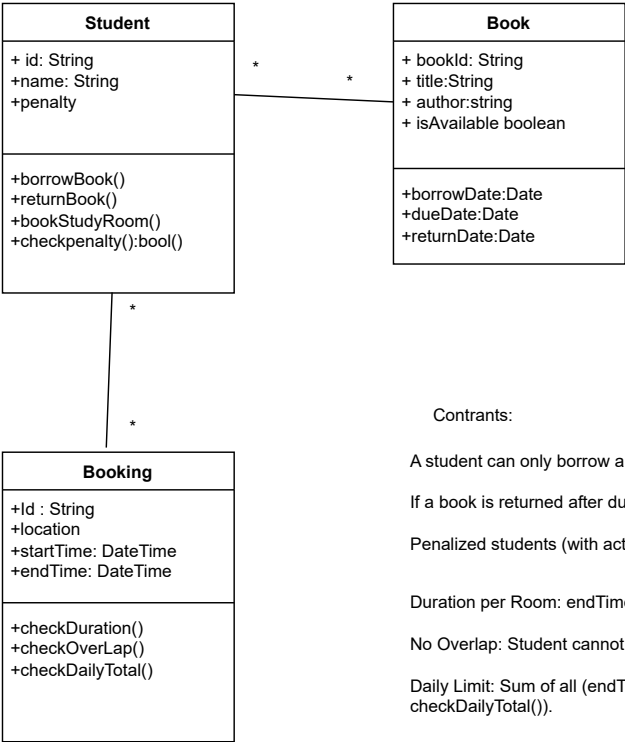


Student with room function



Librarian activity





Contrants:

- A student can only borrow a book if penaltyEndDate is not set or has passed.
- If a book is returned after dueDate (1 month from borrow), set penaltyEndDate to return date + 1 month.
- Penalized students (with active penaltyEndDate) cannot borrow books
- Duration per Room: $endTime - startTime \leq 1$ hour for each Booking instance.
- No Overlap: Student cannot have overlapping Bookings Rooms
- Daily Limit: Sum of all $(endTime - startTime)$ for a Student on the same day ≤ 3 hours (enforced by checkDailyTotal()).