

Student management system – Attendance Tracking

1. Gate Entry

- Student presents ID card.
- System verifies student's active status.
- If active , allow entry & update entry log in Database.
- If inactive, deny entry & notify student.

2. Course Attendance

- Student scans lecture QR code.
- System verifies:
 - Student identity (username and Password).
 - Active status.
 - Course/module enrollment.
 - Time validity (within lecture hours).
 - Location validity (inside campus/lecture hall).
- If valid, attendance recorded in database and notify the student.
- If invalid, deny attendance & notify student/admin.

3. Gate Exit

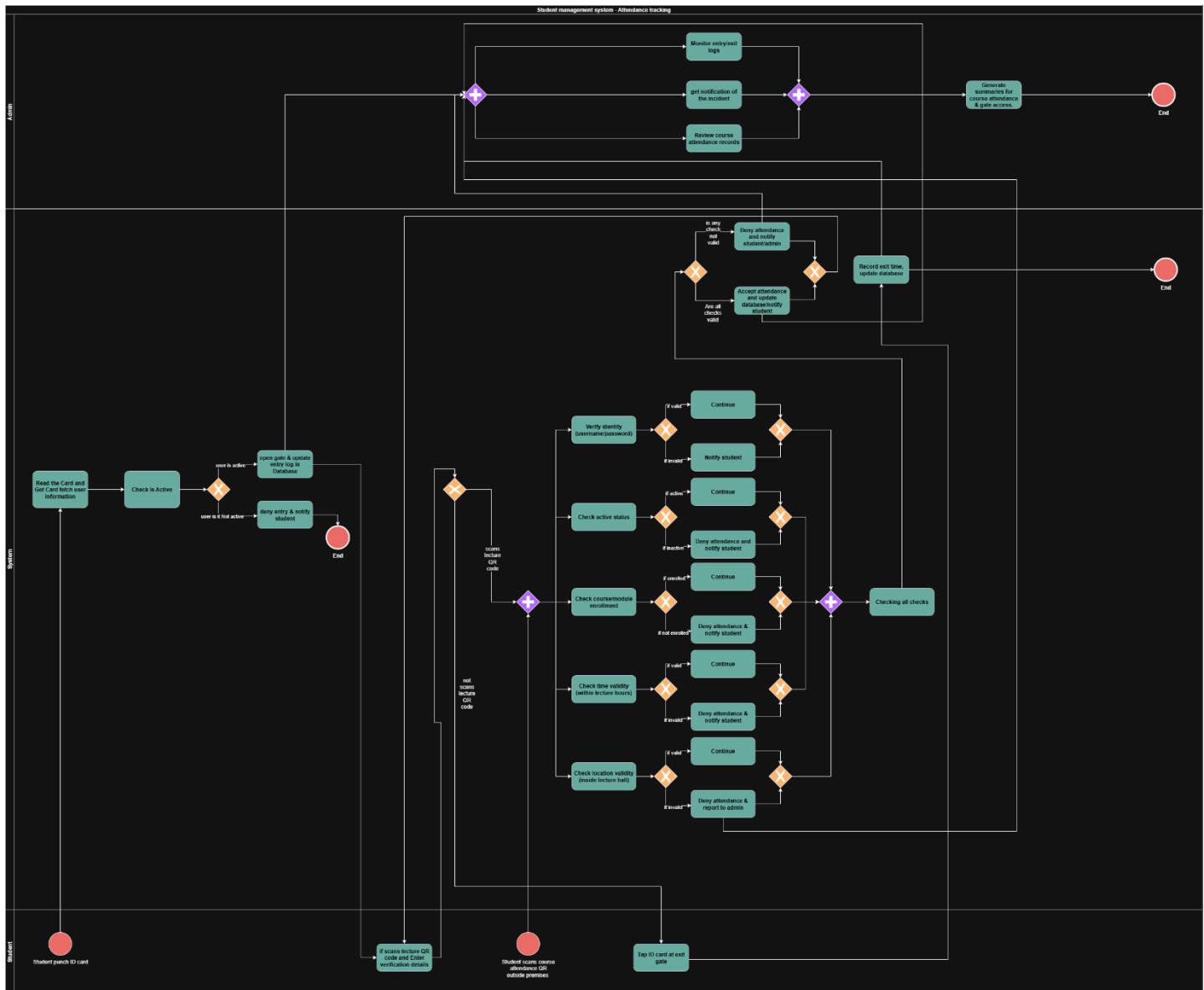
- Student taps ID card at exit gate.
- System records exit time & updates database.

4. Special Handling

- If attendance is attempted outside premises → deny & notify student.
- If multiple failed attempts → report to admin.

5. Admin Activities

- Monitor student entry/exit logs.
- Review attendance records.
- Handle reports of invalid attempts.
- Generate summaries for course attendance & gate access.



Draw.io Link :

<https://drive.google.com/file/d/1eWsV5bDUciUfio4m6PstDrV4HuboIOzJ/view?usp=sharing>

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