

REQUIREMENTS OF PRISONER MANAGEMENT SYSTEM

Functional Requirements (FR)

A. Inmate Management

Add Inmate: The system shall allow the Admin to register new prisoners by recording their name, age, physical marks, and ID number.

Track Sentence: The system shall automatically calculate the expected release date based on the entry date and punishment duration.

Assign Cell: The system shall allow staff to assign or move an inmate to a specific cell block or wing.

Search Records: The system shall provide a search tool to quickly find prisoner information by name, ID, or crime type.

B. Staff & HR Management

Manage Profiles: The system shall store professional details for jailors and guards, including their ID, rank, and salary.

Schedule Shifts: The system shall allow the Admin to assign guards to specific duty areas such as the Gate or the Yard.

Record Attendance: The system shall log daily check-in and check-out times for all prison personnel.

C. Visitation & Reporting

Log Visitors: The system shall record the identity of visitors, their ID, and the specific inmate they are visiting.

Generate Reports: The system shall generate a daily status report showing the total count of prisoners and staff currently on duty.

Non-Functional Requirements (NFR)

Security: Access is restricted to authorized users (Admin and Staff) through a secure login process to ensure data safety.

User-Friendliness: The interface must be simple and easy to use for prison guards with basic computer knowledge.

Reliability: The system must store all records safely in a digital database to prevent the loss of data.

Performance: The search functionality and report generation must be fast to avoid delays in daily operations.

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