

Jail Management System



by

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SE 3003– Web Engineering Project Scope Document

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Introduction:

Jail Management System is software solution designed to optimize the operations of a Jail/Prison. The system aims to replace the manual methods of keeping records, enhancing prisoner tracking, security and facility management.

The objective of this project is to build a user friendly and secure application that will allow Jail Administration to efficiently manage all the aspects of Jail Operations.

Project Scope:

The primary objectives of the Jail Management System are as follows:

1. Provide a centralized database for tracking inmate information, charges, custody status etc.
2. Implement role based access control to ensure the security of sensitive information and restrict unauthorized access.
3. Managing routine tasks like cell assignments, visitation scheduling, and incident reporting.
4. Generate reports on inmate populations, case statuses, and facilities to enhance and assist in resource planning.

Panels/Modules:

1. User Panel (Outsiders)

1.1. Visitor Registration:

Allows users to register themselves, fill out contact information, and get approval for visits.

1.2. Prisoner Visitation Request:

1.2.1. **Request Visit:** Users can request visits to specific prisoners, selecting dates and times.

1.2.2. **View Visitation Status:** Users can check the status of their visit request (approved, pending, denied).

1.3. Visitation History:

Shows past visits and details for each visit.

1.4. Messaging Module (optional):

Allows for approved messaging between users and prisoners if permitted by the system.

1.5. Guidelines and Rules:

Access to prison visitation guidelines and rules for visitors.

2. Jailer Panel (Admin)

2.1. Inmate Management:

- 2.1.1. **Add Inmate Profile:** Capture inmate details like ID, crime, sentence duration, cell assignment, and behavior.
- 2.1.2. **Update & Delete Inmate Records.**
- 2.1.3. **View Inmate Profiles:** List of all inmates with search, filter, and sorting options.

2.2. Visitation Management:

- 2.2.1. **Approve/Deny Visitation Requests:** Review and decide on visitation requests.
- 2.2.2. **Schedule Visits:** Set up or reschedule visit times for approved requests.

2.3. Incident Reporting:

- 2.3.1. **Add Incident:** Document incidents involving inmates (e.g., misconduct, fights).
- 2.3.2. **View Incident Reports:** History of incidents with status updates (resolved, under investigation).

2.4. Cell Management:

- 2.4.1. **Assign/Reassign Cells:** Allocate or change inmate cell assignments.
- 2.4.2. **View Cell Occupancy:** Monitor cell occupancy and availability.

2.5. Logs and Reports:

- 2.5.1. **Generate Reports:** Monthly or quarterly reports on inmate activities, visitations, incidents, etc.

- 2.6. **Notifications Module:** Send notifications to users (visitors) on visit status on their approved visitor list.

3. Warden Panel (Super Admin)

3.1. User & Role Management:

- 3.1.1. **Manage Jailers:** Add, update, and deactivate jailer (admin) profiles.
- 3.1.2. **Access Control:** Assign roles and set permissions for jailers and other staff.

3.2. Inmate Transfer:

- 3.2.1. **Manage Transfers:** Oversee and approve inmate transfers to different facilities.
- 3.2.2. **View Transfer History:** Track all past and pending transfers.

3.3. Policy and Document Management:

- 3.3.1. **Update Jail Policies:** Add and update policies that jailers and visitors can access.
- 3.3.2. **Document Management:** Upload and manage documents related to inmates, policies, or legal matters.

3.4. Audit Logs:

- 3.4.1. **Activity Logs:** Track activity by jailers and admin interactions within the system.
- 3.4.2. **Security Alerts:** View security alerts (e.g., unauthorized access attempts).

3.5. Reports and Analytics:

- 3.5.1. **Generate High-Level Reports:** Summaries of inmate demographics, incident frequency, visitation statistics, etc.

3.6. System Configuration:

- 3.6.1. **Settings:** Manage system-wide settings, such as visitation policies, notification preferences, etc.

Github:

<https://github.com/Uchiha292/Jail-Management-System-Web-Project>

Work Division:

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Note: this will include both frontend and back end of the modules		