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Prison Management System (PMS)

- **A summary of the system**

  The Prison Management System (PMS) is a software designed to digitally organize and manage administrative and security operations within correctional facilities. The system helps record prisoner information, track sentence durations, log visits, and generate periodic reports on inmate status. It also facilitates handling of special cases such as prisoner transfers or releases, while improving communication and coordination among prison staff.

  The system will be used by prison officers, administrative managers, and visitors. Officers can add and update prisoner records, while administrators can monitor statistics and generate official reports. Visitors can use the system to submit and confirm visit requests electronically, eliminating the need for manual paperwork.

- **Main use-case**

Use Case Name	Actor	Description
Manage Users	Admin	This function allows the Administrator to add, modify, or delete user accounts (e.g., Officers) in the system. It is essential for assigning roles, managing permissions, and maintaining system security.
Generate Reports	Admin	The Administrator uses this function to create and generate various administrative and statistical reports (e.g., prisoners count, monthly transfers, incident logs). These reports are crucial for decision-making, auditing, and compliance with external agencies.
Add Prisoner	Officer	The Officer uses this function to register a new inmate upon intake. This involves capturing all initial data, such as personal information, court details, sentence length, and date of admission.
Update Prisoner	Officer	This function allows the Officer to modify an existing inmate's records. Updates include changing cell assignments, logging behavior reports, noting transfers, or updating the inmate's status upon parole or final release.
Register Visit	Officer	The Officer utilizes this to formally approve and log a scheduled visit by a visitor. The function records the visitor's details, confirms the visit time, and documents the interaction for security and historical records.
Request Visit	Visitor	The external Visitor uses this function to formally submit a request for a visitation appointment with a specific inmate. This process typically involves providing identification information and suggesting preferred dates/times for approval by the prison staff.

- **A use case diagram**