# Functional Requirements For Dashboard :

### ****Functional Requirements****

1. Display tailored dashboard content based on user roles (Judges, Clerks, Lawyers, Public Users, and Admins).
2. Judges: Show pending cases, hearings schedule, document approval tasks, and performance stats.
3. Clerks: Display case filing queue, resource allocation options, and document management tools.
4. Lawyers: Present active cases, hearing schedules, and a communication portal for client interactions.
5. Public Users: Provide options to book lawyers, view case statuses, and submit forms.
6. Admins: Manage users, oversee court schedules, assign courtrooms, and view reports.
7. Judges: Access and update the status of pending cases and manage hearings.
8. Clerks: Organize the filing queue, schedule hearings, and allocate resources to courtrooms.
9. Lawyers: Track case progress and manage their hearing schedules.
10. Include case status and form submission tools for Public Users.
11. Allow Admins to generate reports and manage user accounts.
12. Implement search tools to retrieve specific cases, documents, or hearing schedules.
13. Interactive widgets to display dynamic information (e.g., number of pending cases, hearing dates).
14. Notifications for case updates, schedule changes, and task deadlines.
15. Allow Judges to approve/reject case-related documents directly from their dashboards.
16. Enable Clerks to manage courtroom assignments and other resources.

### ****Non-Functional Requirements:****

1. Dashboards should load within 2 seconds for all users under normal system load.
2. Efficient handling of large datasets (e.g., thousands of pending cases).
3. Support increasing numbers of users (e.g., Judges, Lawyers, and Public Users) without performance degradation.
4. Ability to handle future feature expansion without significant architectural changes.
5. Ensure 99.9% uptime for the dashboard, with minimal downtime for maintenance.
6. Implement role-based access control (RBAC) to restrict dashboard features by user role.
7. Encrypt sensitive data displayed on dashboards, such as case details and personal information.
8. Provide an intuitive and user-friendly interface for all roles, with minimal training required.
9. Responsive design to support access from desktops, tablets, and smartphones.
10. Ensure real-time synchronization of data across all dashboards for accurate case and schedule updates.
11. Maintain a log of all dashboard activities, including actions taken by Judges, Clerks, and Admins (e.g., document approvals, case status updates).
12. Ensure compatibility with all modern browsers (e.g., Chrome, Firefox, Edge).
13. Support integration with external systems for case data synchronization.
14. Provide support for multiple languages and regional date/time formats, if necessary.

**Use Case Name**: Dashboard

**Actors**:Judge,Clerk,Lawyer,Public User,Admin,External Systems (for data synchronization)

**Scenario :**

1. The user logs into the CCMS.
2. The system identifies the user's role and loads the corresponding dashboard view.
3. The user interacts with the dashboard based on their role:

Judge:

a. Views pending cases and performance stats.

b. Approves or rejects documents.

c. Manages hearing schedules.

Clerk:

a. Views the case filing queue.

b. Allocates resources to courtrooms.

c. Manages case-related documents.

Lawyer:

a. Views active cases and upcoming hearings.

b. Communicates securely with clients.

Public User:

a. Books a lawyer using the system.

b. Submits forms or documents.

c. Views case statuses.

Admin:

a. Manages users and permissions.

b. Generates reports.

c. Oversees resource allocation.

1. The user logs out or navigates to another module.

**Exception:**

1. If the dashboard fails to load within the specified time, the system displays a "Service Unavailable" error message.
2. No database Connection.
3. Required page not found.

**Precondition:**

1. The user must be authenticated and authorized to access the system.
2. The user role (Judge, Clerk, Lawyer, Public User, Admin) must be defined.
3. All relevant data (e.g., case statuses, schedules, resources) must be preload-ed into the system.
4. The users are familiar with basic system navigation.(assumption)

**Post conditions**:

Successfully entered Dashboard:

1. The user can view and interact with role-specific features and information.
2. Actions performed on the dashboard (e.g., scheduling hearings, submitting forms) are recorded in the system.
3. Any notifications or tasks are updated in real-time.

Any Error: Stay same pages

Exception:Go to Login page.