

SIH 2020 SOFTWARE

Organization:	Bureau of Police Research and Development	
Problem Statement:	LEA and Judiciary Interactive Case Management System	
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Problem Description: Smart and efficient Judiciary Interactive System: We often come across scenarios where stakeholders for a particular event (presentation, meeting, discussion, etc.) are at remote location. In such cases, we observe many problems in flawless conduction of presentation or meeting, etc. We are looking for software solution for smart and efficient judiciary interactive system. It should cover (1) facility for presentation to all the attendees (2) facility for discussion between Judiciary panel. Additional useful features are welcome.



Description

We propose to design an interactive judiciary platform with video conferencing feature, equipped with secure links for remote users, chatroom for discussions, meeting notifications and scheduling with proper authentication and authorization of the users as well as a digital forum for publishing articles or news.



Application Services

- **Group Conference**
 - Add Participant (Attendee)
 - Two-Factor Authentication
 - URL invitation to witness
 - Identity Verification
- **Toggle stream mode**
 - Closed Bench Hearing
 - Public Hearing



Features

- Multi-video Conferencing
- Chatrooms
- Document Upload and Submission
- Controlled Streaming of Session(Private/Public)
- List of Today's Cases



Technology Stack



ELECTRON



mongoDB®

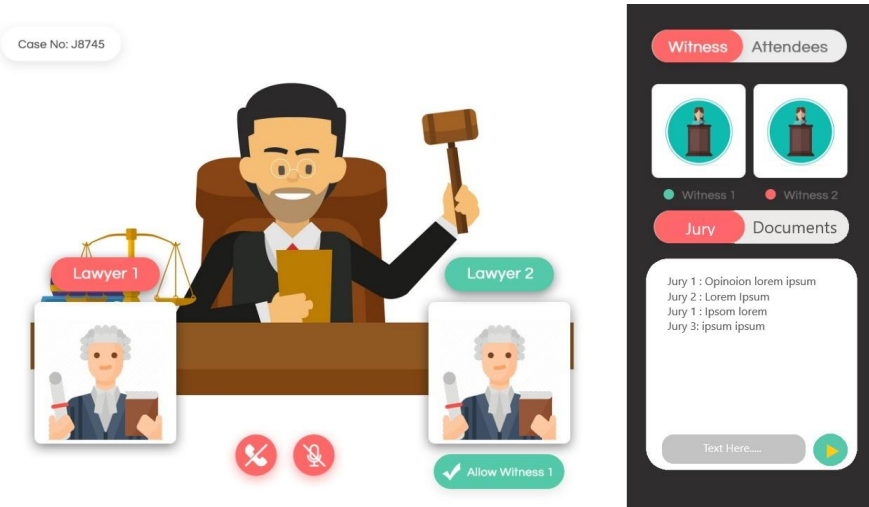


WebRTC



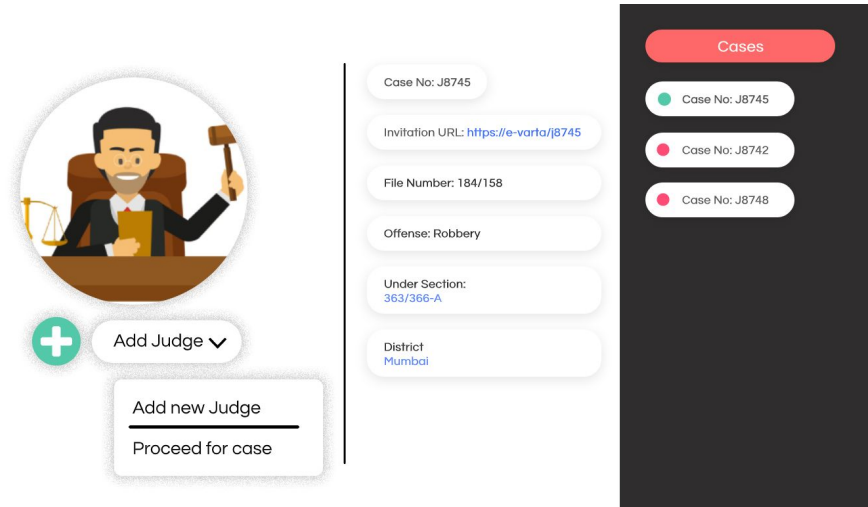
socket.io

Conferencing(Meeting)



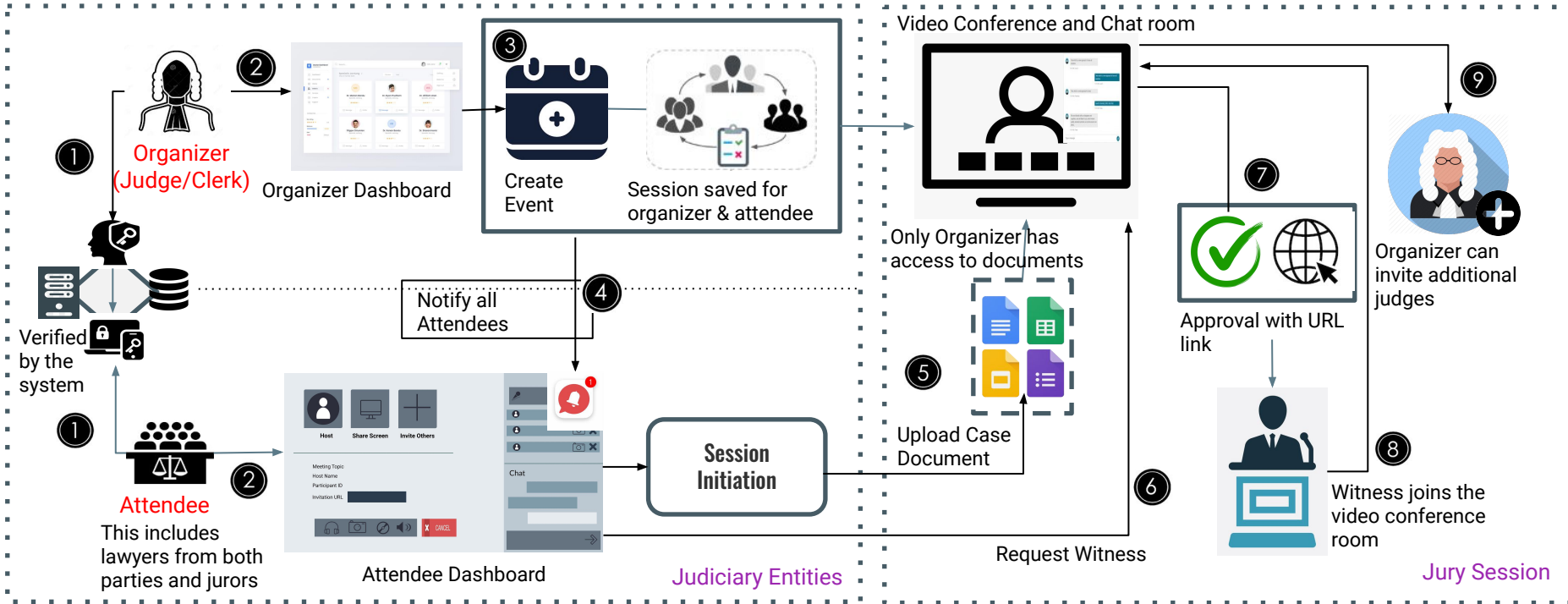
The court proceedings will be carried out in multi-video conferencing method. Here the chat room, document upload section is available for submitting documents to the Judge and for any discussions. This document won't be accessible to the opponent. The lawyers can request for adding witness.

Judge Addition



The judge can add other judges for panel discussion. The current scheduled case details is being displayed to the allocated judge along with list of cases been dated for today for that judge. The judge can proceed to current case with proceed for case button.

Use Case Example: LEA and Judiciary Interactive Case Management System



➤ Dependencies

- **Accuser and accused must carry out their identity verification.**
- **Judge profile database in defined format.**
- **Case information database in defined format.**
- **Digitised versions of case files.**

➤ Show Stopper

- **Clerk to assist the judge for conferencing.**