Software Requirements Specification

for

Court Justice Portal

Version 1.1

Prepared by

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1. Introduction

1.1. Purpose

A Portal to file FIR or Case in court with the rules and regulation under judicial system ,as per the requirement of FIR registration case at court and assigning lawyer with tracking the status of case.

1.2. Document Convention

This Document was created based on the IEEE template for System Requirement Specification Documents.

1.3. Product Scope

Any Person/Victim who want to register FIR or wants to register Case in court.Victim,Police,lawyer,Judge can easily fetch the details regarding case study and trace the procedure of case

1.4. References and Acknowledgements

2. Overall Description

2.1. Product Overview

Victim will register For FIR to Portal and FIR will be fetched by Police and they will investigate on it and then there is required to move further in case then Police will help to request Lawyer and then Lawyer will guide police to find evidence and those evidence will be uploaded in portal so that lawyer can show them to judge and judge will check the all evidence and validate them and according to them Judge will Give Next hearing or give the Judgment of Case.

2.2. Product Functionality

- Login/Sign up for any user as Victim/Police/Lawyer/Judge
- Victim Requests for FIR
- Take Track of Status and Information of Case
- Victim can Hire lawyer as per Requirement
- Police Registers The FIR Approval
- Collecting Evidence for FIR
- Managing the Fine
- Lawyer validates the Case
- Review the Details of Evidence
- If Required then Negotiate and settle with Client/Victim
- Judge Schedules and Manages Cases
- Records Judgement and Order
- Last Decision of CaseResearch

2.3. Design and implementation Constraints

The Portal is developed with HTML,CSS,JAVASCRIPT. It uses a modular design where every feature is wrapped into a separate module and the modules depend on each other through well-written APIs.

2.4. User Classes and Characteristics

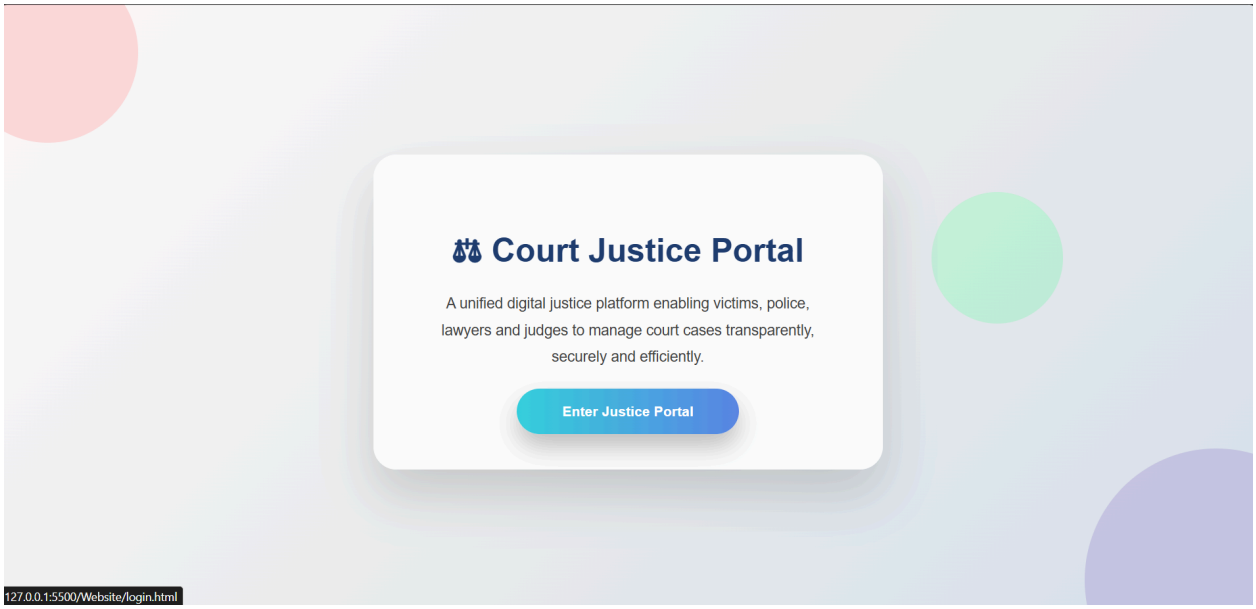
- Typical Victim,who wants to register FIR And Wants to fight for justice in court
- Any Police Officer who want to check the evidence and add,modify remove evidence
- Any Lawyer Who want Case to Proceed in Court and give justice to Victim
- Judge,to Manage the dates or verify the documents

3. Specific Requirements

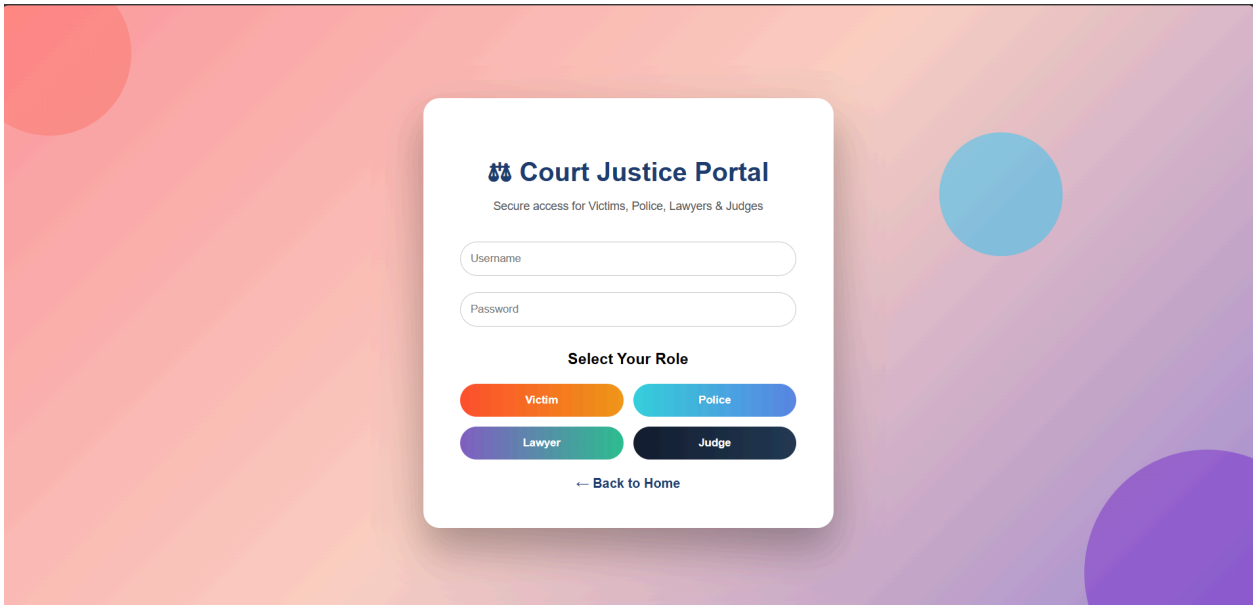
3.1. External Interface Requirements

3.1.1. User Interfaces

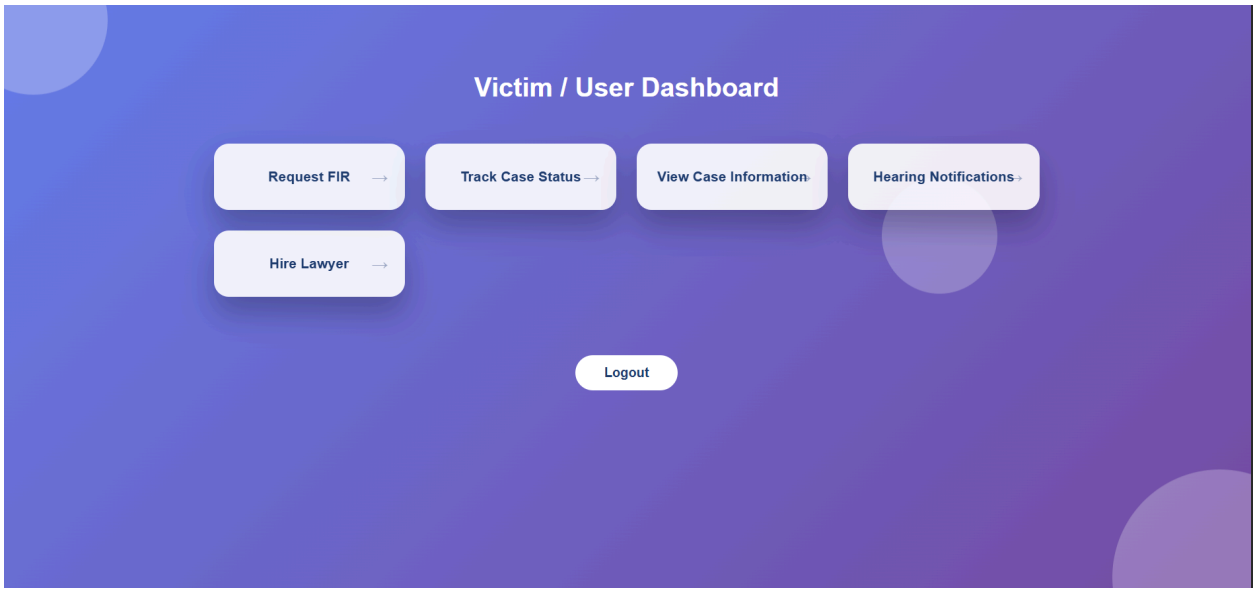
1.Court Justice Portal Welcome Screen:



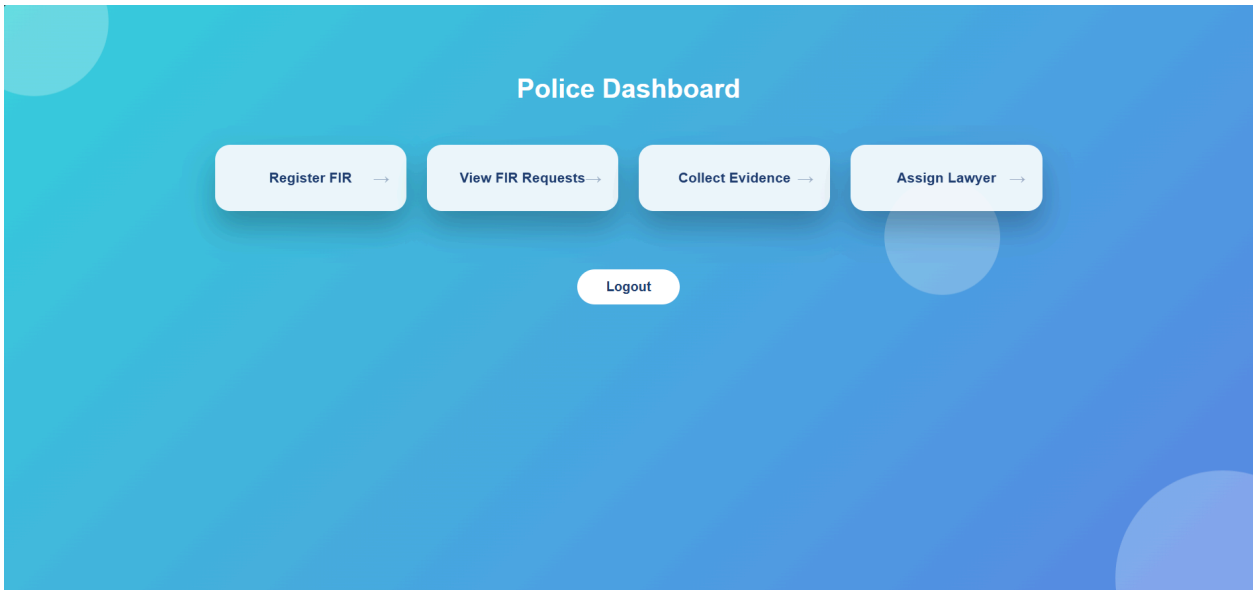
2.Login/Sign-up Screen



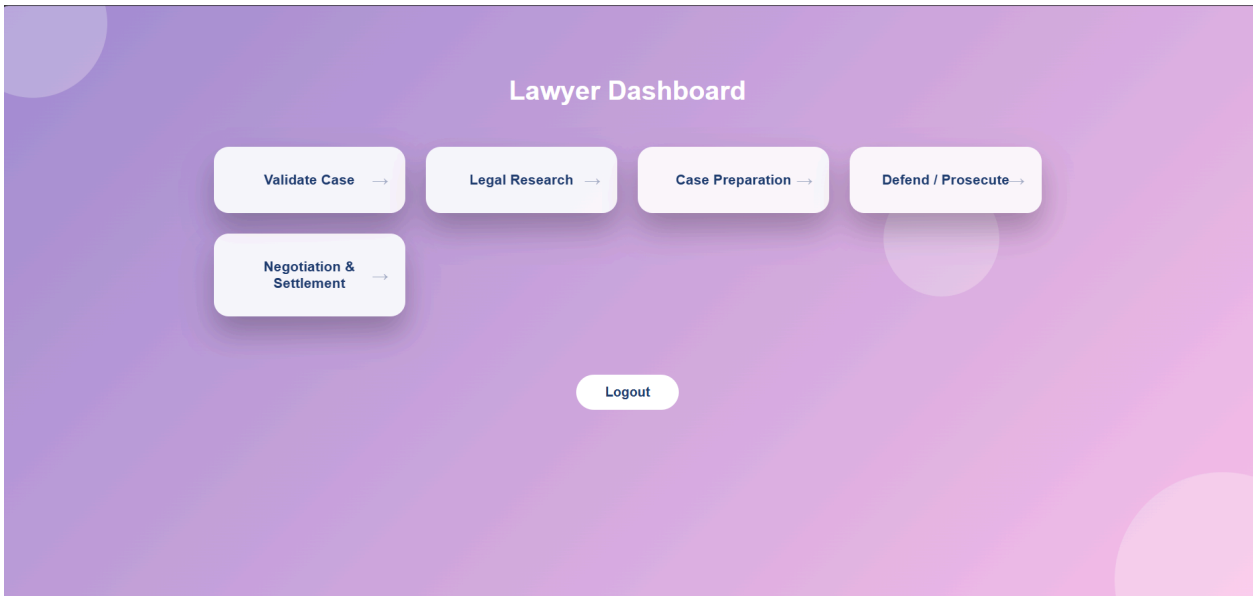
4.Victim/User DashBoard



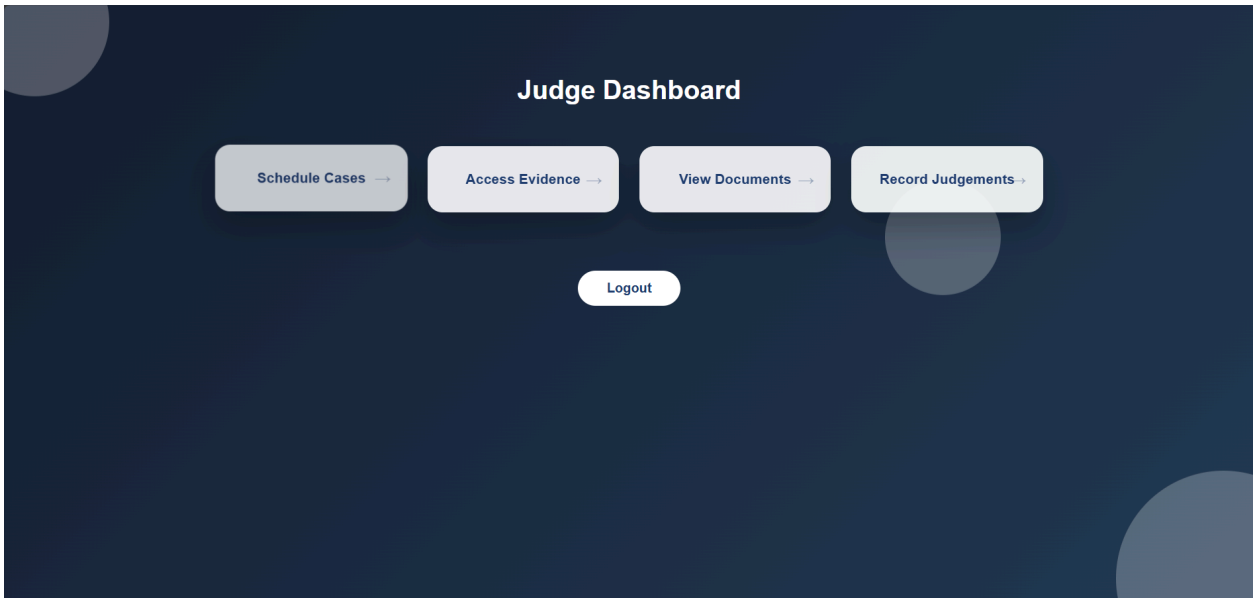
5.Police DashBoard



6.Lawyer DashBoard



7.Judge DashBoard



3.1.2. Hardware Interfaces

The minimum hardware requirements of Gephi are a 500 Megahertz CPU and 128 megabytes of RAM. Also, because Gephi uses an OpenGL 3D engine to speed up graph visualization, a compatible graphics card is required. A system with these specifications can handle a Network of approximately 1000 edges and nodes. For bigger networks, additional memory is required

3.1.3. Software Interfaces

Gephi requires Java to be installed on the system, more specifically Java version 7 or 8 for its latest release. Additional information can be found on section 2.7 of this document.

Gephi can be connected with a MySQL, SQLite or PostgreSQL database to import a graph edge list.

3.2. Functional requirements

- **R1 - Authentication :**(victim,police,lawyer,judge)

  → Description : Login or Sign in as Victim or Lawyer or Judge or Police
  → Input : Keywords(email , user type , password)
  → Output : Logged in successfully

- **R2 - Registration :**
  - **R 2.1 - User Information**

    → Input : User details,valid documents

  - **R 2.2 - Lawyer Information**

    → Input : Lawyer details , valid i'd proofs

- **R 2.3 - Police Information**

  → Input : Police details , police i'd , appointment later

- **R 2.4 - Judge Information**

  → Input : Judge details , court i'd

- **R3 - Manage FIR** :

  → Description : To add or validate FIR

  - **R3.1 - Register FIR**

    →Input: Description of crime and evidence
    →Output : FIR ID , Current FIR status

  - **R3.2 - Validate FIR**

    →Output : Final status of FIR (Approved / Rejected)

  - **R3.3 - FIR Status**

    →Input : FIR ID
    →Output : current status of FIR (Pending / Approved)

- **R4 - Search Cases :**

  → Description : Details of cases which are already registered

  → Input : case ID , case type
  → Processing : Search in database According to Case ID
  → Output : Case details , last hearing date and current status

- **R5 - Hire Lawyer :**

  →Description : To find the Lawyer for your case

- **R5.1 - Search for Lawyer**

  → Input : Keywords(Name , experience and casetype)
  → Processing : Search based on criteria

- **R5.2 - View details of lawyer**

  → Output : Lawyer name , number , fees , experience

- **R5.3 - Send request**

  → Input : Case details , FIR number , Evidence

- **R5.4 - Approve Request**

  → Output : Request accepted or rejected

- **R6 - Manage Case :**

  →Description : Validation of case by lawyer or modification by Judge

  - **R6.1 - Request case**

    → Input : Case type , Case description , supporting documents
    → Output : Case ID , Case type , Case details

  - **R6.2 - Modify case**

    → Processing : Updation or deletion of the existing case
    → Output : Modification of the case done successfully

  - **R6.3 - Approve case**

3.3. Use Case Model

4. Other Non-functional Requirements

- **N1 - Performance ：**

  Description :
  →Case search results will be displayed within 2–3 seconds.
  →Modification of case will be done within 5 seconds.

- **N2 - Security：**

  Description:
  →end to end encryption of Data of Victim.
  →Multi-factor authentication will be required for users.

- **N3 - Reliability & Availability：**

  → The system will be available 24/7 except during maintenance.

- **N4 - Portability:**

  →The Portal is Accessible from any Web Browser

- **N5 - Usability:**

  →user friendly interface and consist helping manual for users.

5. Other requirements