

JUDICIARY INFORMATION SYSTEM DOCUMENTATION



SOFTWARE REQUIREMENTS SPECIFICATION

BY-
DEEKSHANT BANSAL
DEBRAJ MAITY
DEEPIKA TANUVI
DAVIK NAAGAR
CHIPPADA KODANDARAM

1. INTRODUCTION

- **PURPOSE-**

The purpose of this document is to present a detailed description of the Judiciary Information System. It will explain the purpose and features of the system, the interfaces of the system, what the system will do, the constraints under which it must operate and how the system will react to external stimuli. This document is intended for the Registrar of the court and the developers of the system.

- **SCOPE -**

This software will be designed to provide a helping hand for the judges as well as the lawyers of the court by providing tools to help handle court cases which would otherwise have to be performed manually.

- This system will make the past court cases easily accessible to the lawyers and judges.
- The judges would be able to browse through the old cases for guidance on their judgement and examine the lines of judgement given previously to similar cases.
- It would be possible to search for the history of past court cases by entering keywords.
- The lawyers would be permitted to browse old cases, but would be charged for each old case they browse.
- For the purpose of maintaining the charge for lawyers, separate login accounts are created for the lawyers and the judges which are maintained by the Registrar of the court.
- This system will allow the Registrar to see the details of the currently pending cases and the cases which have been resolved or the status of any particular case.

2. FUNCTIONAL REQUIREMENTS-

● LOGIN AND AUTHENTICATION-

- The user logs into the system by selecting the required option of his/her field and gives the required information.
- The system opens the file which stores the log-in details of the users and matches it against the input.
- The computer automatically generates a unique case identification number (CIN) for each case.

● DATE OF HEARING-

- After the unique CIN is generated, the Registrar assigns a date of hearing for the case.
- The Registrar selects the Display Dates option.

- The system opens the file which stores the dates and checks if they are occupied or not and prints the non-occupied dates.
- The computer displays the vacant slots on any working day during which the case can be scheduled.

- **SUMMARY OF COURT PROCEEDINGS-**

- If a hearing of a case takes place, the summary of the court proceedings are entered, the judgement is recorded and the case is closed but the details of the case are maintained for future reference.
- The Registrar enters the summary of the case by selecting Enter Summary option and selects the Display Dates option for new hearing date.
- The system opens the file which stores the case details and the Registrar writes the summary into that file and closes it.
- A new hearing date is assigned for the case.

- **CURRENTLY PENDING COURT CASES**

- This function gives the details of the currently pending cases when queried by the Registrar.
- The Registrar queries about the pending cases by selecting the Pending Cases option.
- The system opens the file which stores the pending cases details and the Registrar reads from that file and closes it.
- The computer prints out the pending cases sorted by their CIN. For each pending case, the following data are listed: the date in which the case started, the defendant's name, address, crime details, the lawyer's name, the public prosecutor's name and the attending judge's name.

- **RESOLVED CASES**

- This function displays the details of the resolved cases over any given period.
- The Registrar queries about the resolved cases by selecting the Resolved Cases option.
- The system opens the file which stores the resolved cases details and the Registrar reads from that file and closes it.
- The computer chronologically lists the starting date of the case, the CIN, the date on which the judgement was delivered, the name of the attending judge and the judgement summary.

- **CASES ON A PARTICULAR DATE**

- This function lists the cases due on a particular date.
- The Registrar selects the Due Cases option and enters the date of hearing.
- The system opens the file which stores the due cases details and the Registrar reads from that file and closes it.
- All the cases that are scheduled on that day are listed in the form of their CIN.

- **CASE STATUS**

- This function displays the status (Pending/Closed/Due) of any particular case queried by the Registrar.
- The Registrar selects the Case Status option and enters the CIN of the case he is interested in.
- The system opens the file which stores the case's details and the Registrar reads the summary from that file and closes it.
- The computer displays the status of the particular case.

- **CREATE/DELETE ACCOUNTS**

- This function allows the Registrar to create or delete judges/lawyers accounts.
- The Registrar creates accounts by selecting the Create New Account option and entering the name of the judge/lawyer. He

deletes an account by selecting the Delete Account option and entering the name of the judge/lawyer.

- The system opens the file which stores the log-in details of the users and creates/deletes the corresponding user's details.
- A username and password is created for every account created and deleted for every account deleted.

- **PAY CHARGE**

- This function allows the lawyers to clear their dues for viewing previous court cases.
- The lawyers can pay for their charges by logging into JIS and selecting Pay Charges.
- The system opens the file which stores the amount details of the lawyers and resets the amount to NIL of the corresponding lawyer.
- This connects the JIS to the Billing System which generates the printed bill and resets the charges to NIL for the lawyer.

3. NON FUNCTIONAL REQUIREMENTS-

- **Portability -**

- Universally available operating systems such as Windows, Linux, etc should be used to make this software portable. This software is capable of adapting to different specified environments.

- **Maintainability-**

- The tutorials and user's manuals provided should be thoroughly read to efficiently maintain the software. This software is capable of modifying for the purpose of making corrections, improvements and adaptation.

- **Performance**

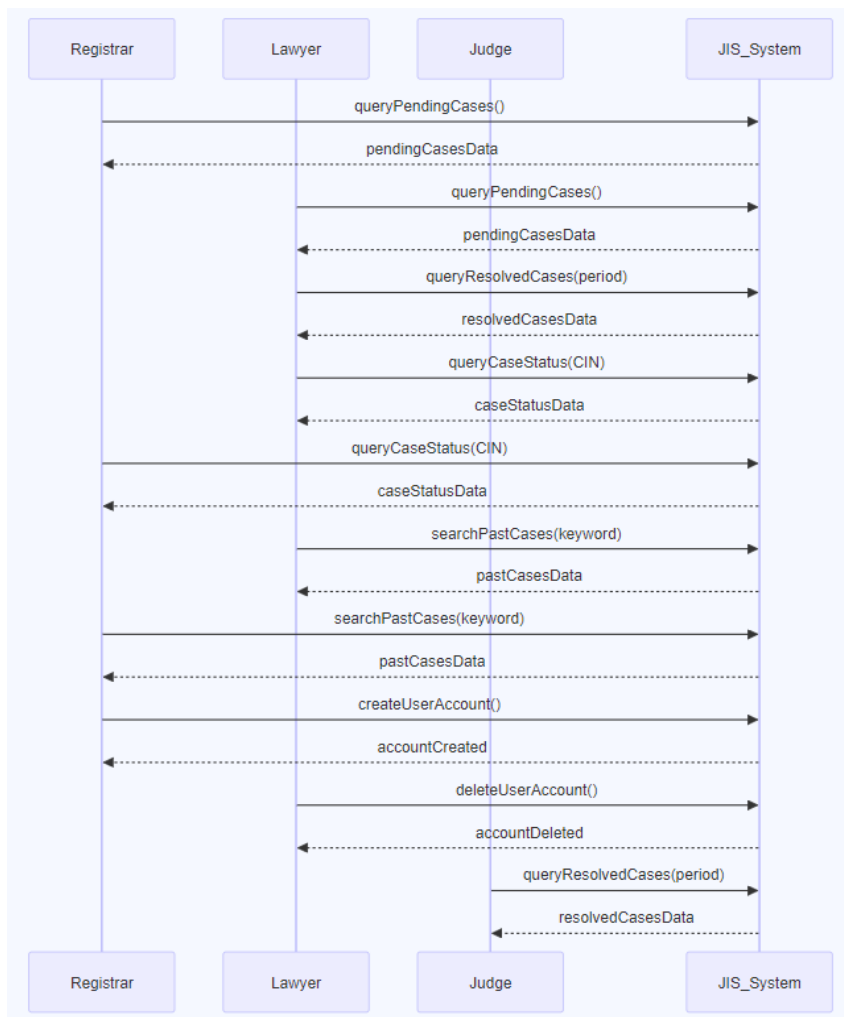
→ Internet connection should be available 24 hours a day for excellent performance. Performance is optimum as requirements for the given software is minimum.

- **Hardware requirements**

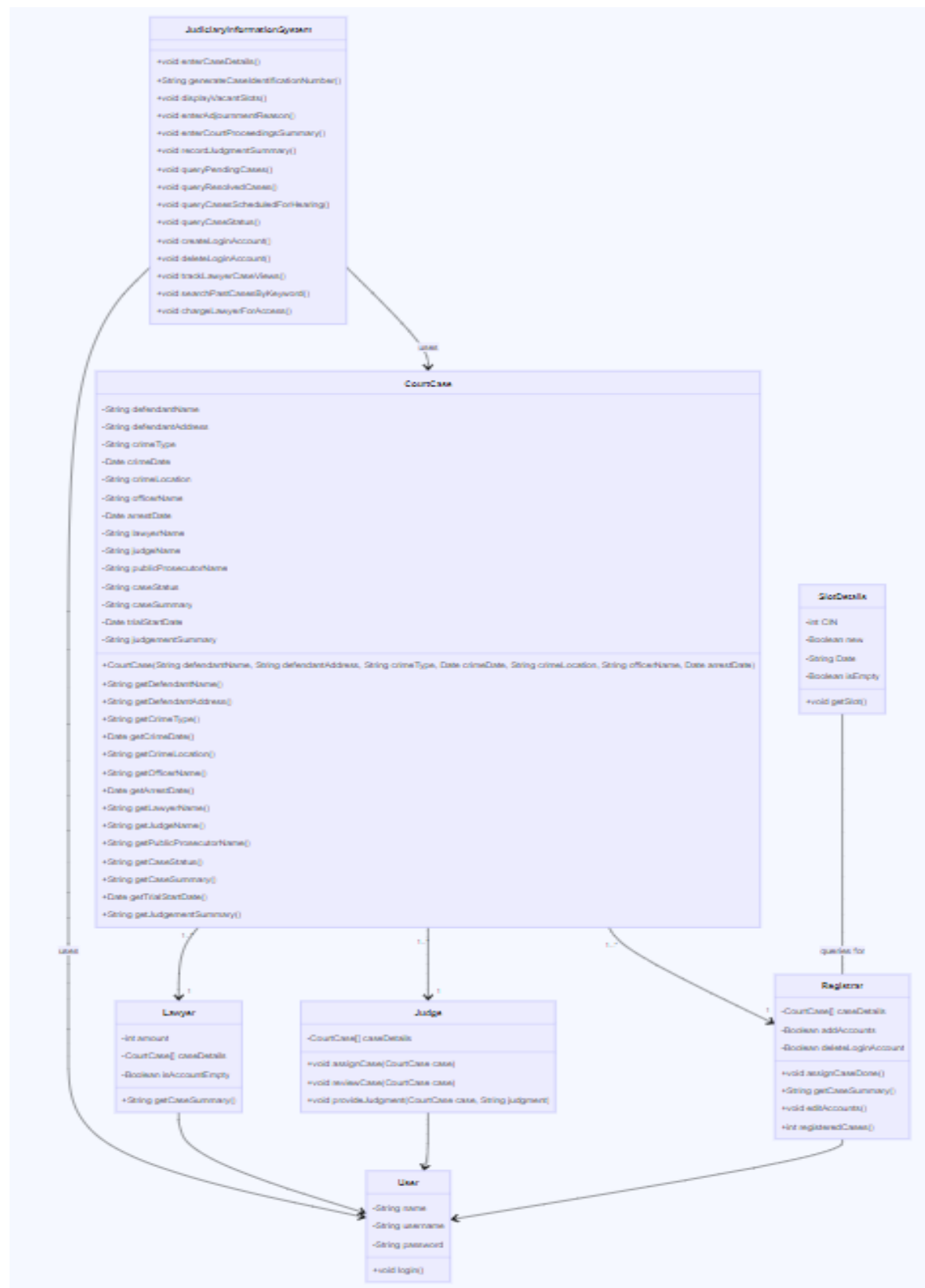
→ A printer is required by the Billing System for giving a printed bill to the lawyers when they pay for their charges. A dedicated server in the Attorney General's office for functioning of the JIS.

UML Diagrams

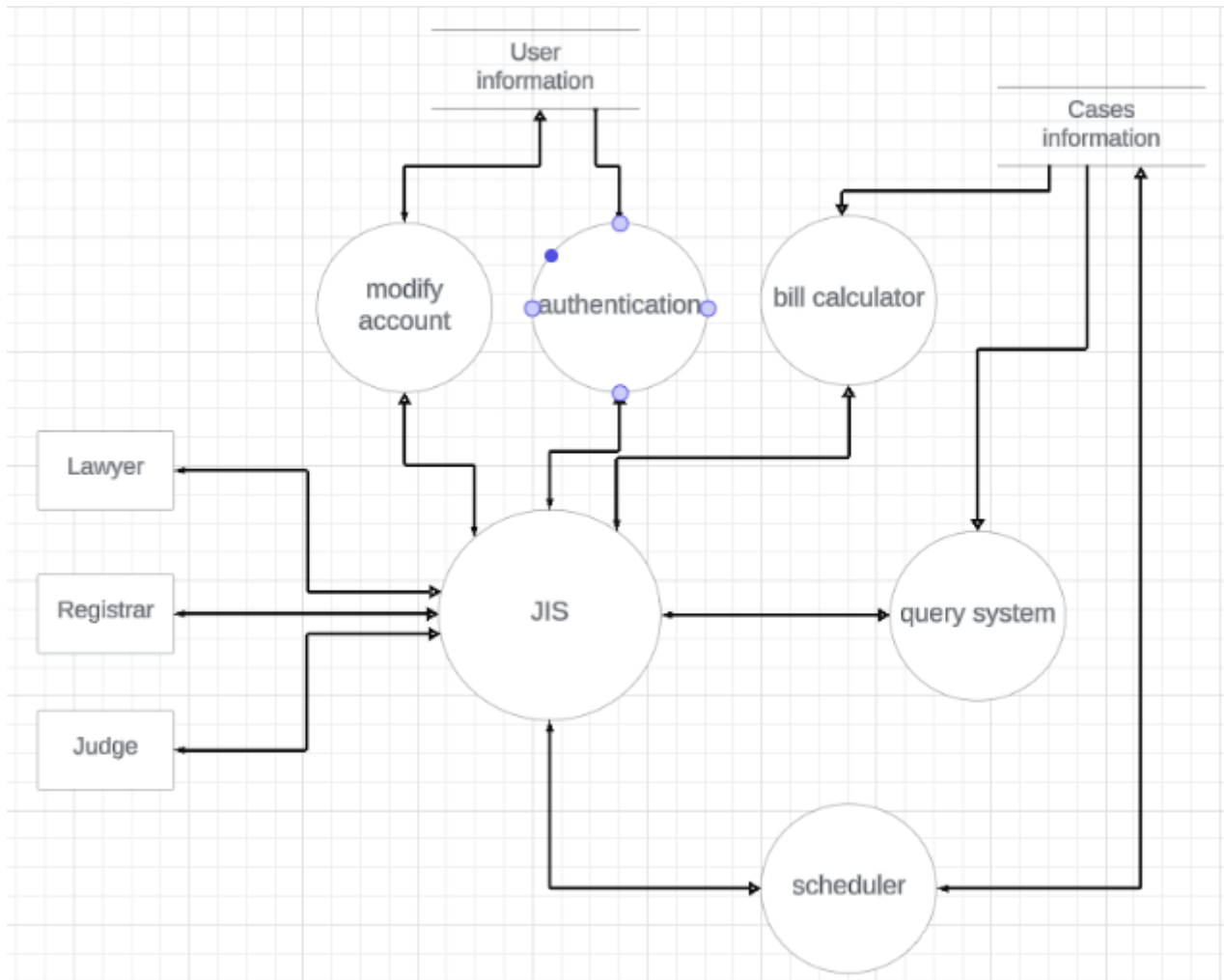
Sequence Diagram



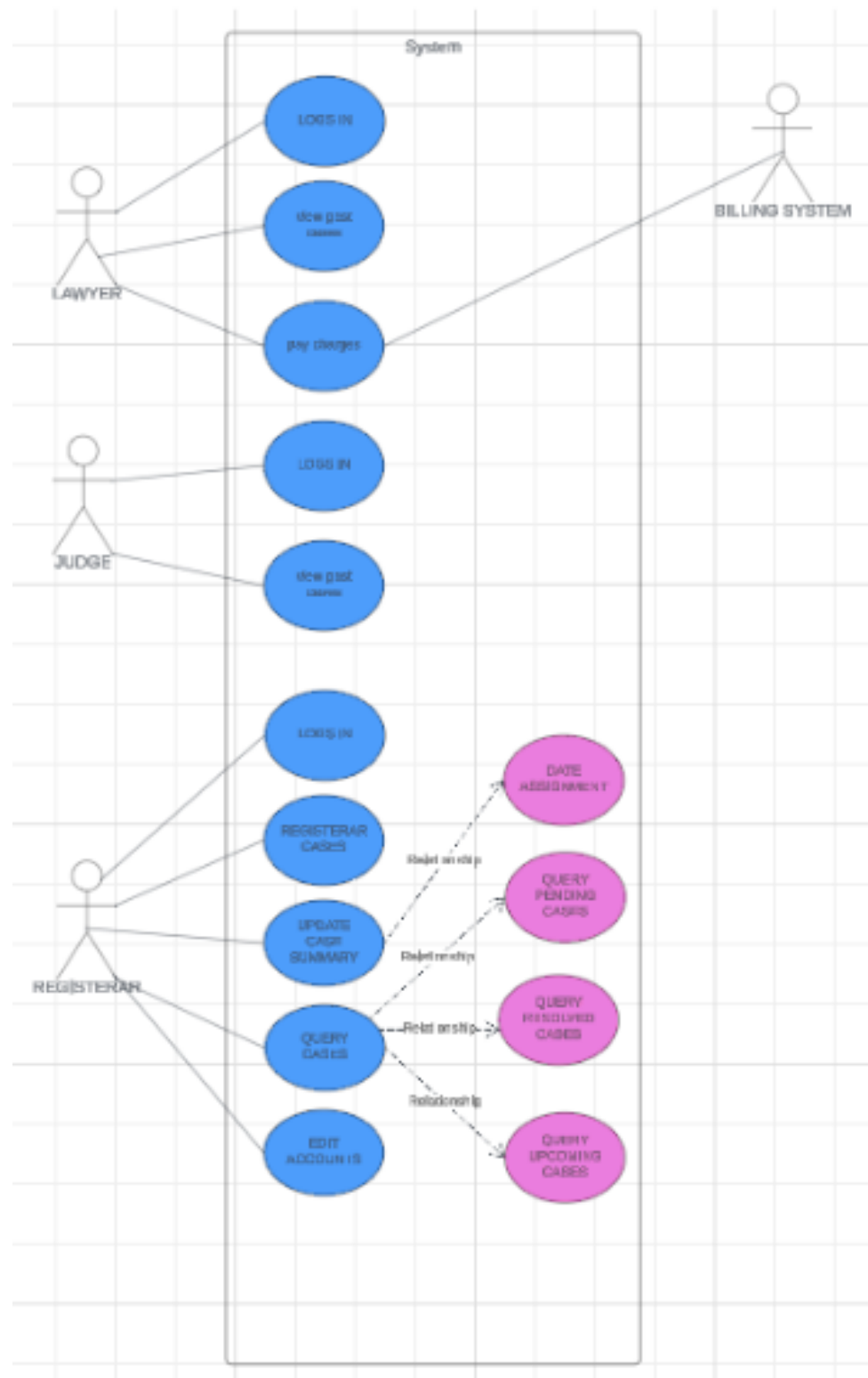
Class Diagram



Data Flow Diagram



Use Case Diagram



Activity Diagram

