SOFTWARE REQUIREMENT SPECIFICATIONS

JUDICIARY INFORMATION SYSTEM SOFTWARE

- Group no 35

1. INTRODUCTION :

1.1 Purpose:

The main objective of this documentation is to illustrate the requirements of the project Judiciary Information System Software. The document gives the detailed description of both functional and non-functional requirements proposed by the client. The main purpose of this project is to maintain and handle court cases and also to make the past court cases easily accessible to the lawyers and judges. Moreover the court registrar maintains these details.

1.2 Project Scope :

Judiciary Information System Software is basically updating the manual judiciary system into Software based system so that the Registrar as well as Lawyers and judges can know the details of the previous cases which can help them to prepare for their line of judgement.

The project is specifically designed for the court **registrar, lawyers and judges.** The product will work as complete user interface for case management and previous cases usage for lawyers and judges. It is very essential for judicial institutes where modification in contents can be efficiently done according to the requirements.

The language used in developing the product is JAVA as it is quite advantageous in than other languages in terms of performance, tools available, cross platform compatibilities, libraries and development process.

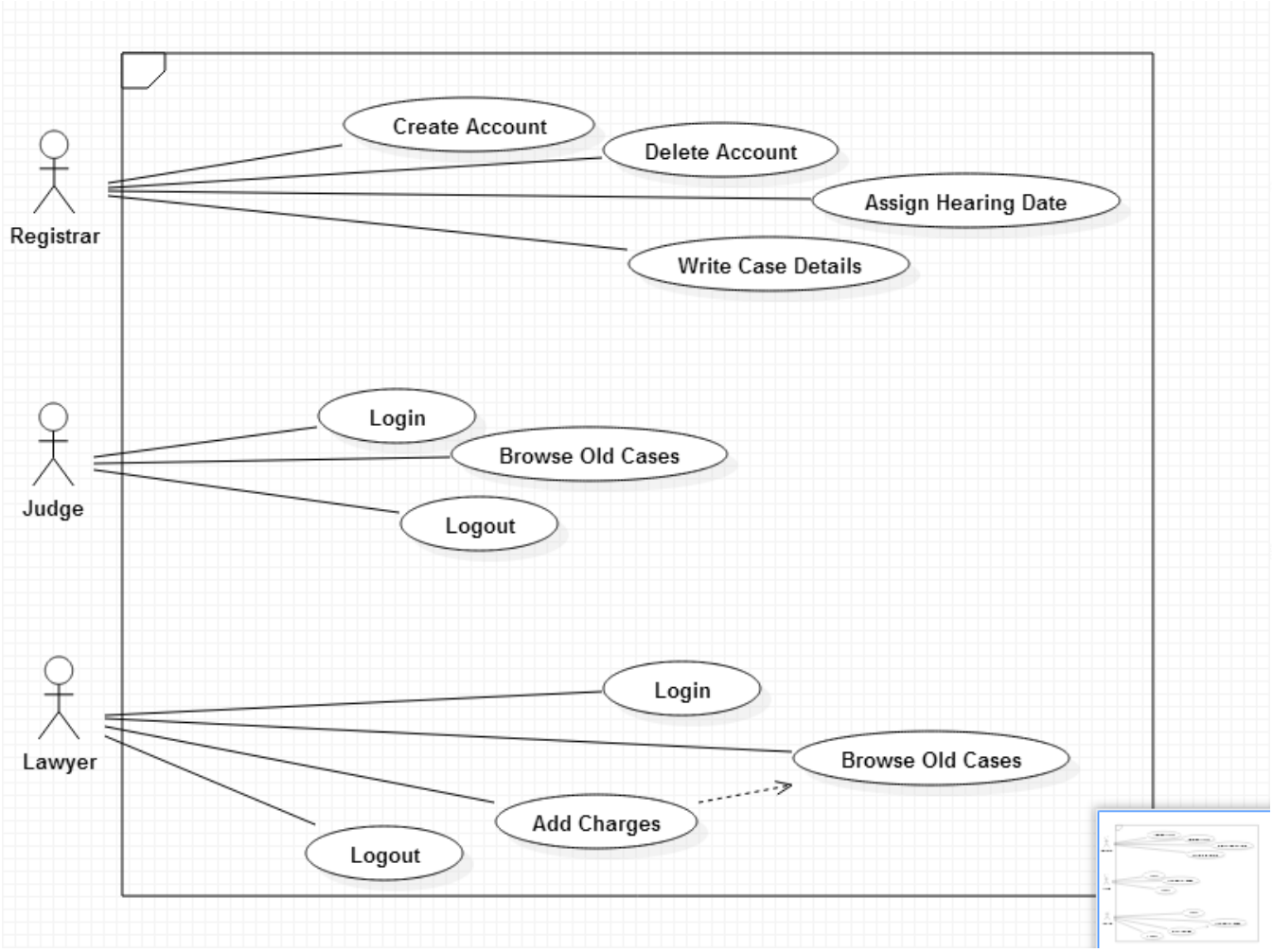
1.3 References:

1. IEEE. IEEE Std 830-1998 IEEE Recommended Practice for Software Requirements Specifications. IEEE Computer Society, 1998.

2. ***OVERALL DESCRIPTION:***

2.1 Product Perspective:

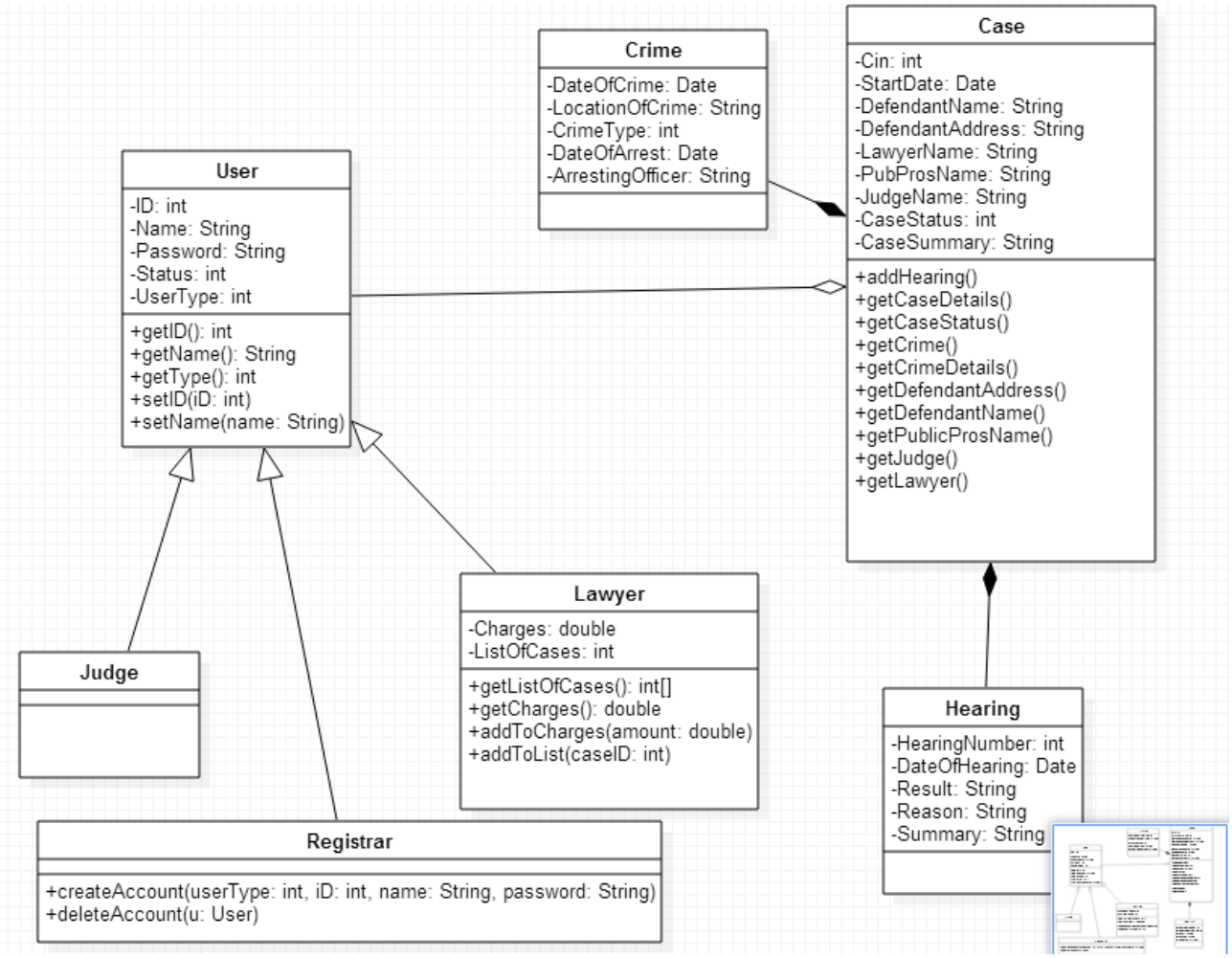
Use case diagram for Judiciary Software System is shown below –



This is a broad level diagram showing the basic overview of the project. The system will allow the user (Judge and Lawyer) to search for the history of past court cases by entering Key words. However, the lawyers will be charged for each time they see the details of a court case. Hence both lawyers and judges will have separate login accounts. The registrar will be able to create login accounts for the different users (judges and lawyers) and will be able to delete these accounts. Furthermore registrar will maintain the everyday case summary and details.

2.2 Product features:

Class diagram for Judiciary Information Software System –



2.3 User classes and Characteristics:

The system provides different services based on the type of user (lawyer, judge). The ***registrar*** will be acting as the controller and he will have all the privileges of an administrator.

The features available to the librarian are:

- Creates login accounts for Judges and Lawyers.
- Gets case details like defendant name, defendant address, crime type, etc.
- Assigns the next trial date by checking empty slots.
- Enters all the details of the trial of a case like summary, reason of adjournment, etc.
- Query all the pending cases sorted by CIN and display those case details.
- Query all the resolved cases sorted by CIN and display those case details.
- Delete login account of judge or lawyer on request.

Features available to Judge:

- He/she can login to his account.
- He/she can browse through the relevant previous case details for guidance on his/her judgement.

- He won't have to pay for searching the cases.

Features available to Lawyer:

- He/she can login to his account.
- He/she can browse through the relevant previous case details to examine his/her line of judgement.
- He/she will have to pay for each case that he wishes to see.
- Make payment for searching the case.

2.4 Operating environment:

The product will be operating in windows environment. Any version of Windows 7 and above is shall work for this software.

2.5 Design and Implementation Constraints:

The hardware configuration includes:

Hard Disk- 20GB.
Moniter-15' colour monitor or above.
Keyboard- 122 keys.

Basic input devices required are Keyboard, mouse and output devices are moniter, printer, etc.

2.6 Assumptions and Dependencies:

The assumptions are:

- The coding should be error free.
- The system should be user friendly so that it is easy to use for the user.
- The system should have more storage space.
- The system should provide quick search facilities.
- The information of all the users should be stored in database that is accessible by the system.

3. FUNCTIONAL REQUIREMENTS:

The user of the system should be provided the surety that their account is secured.
This is possible by providing:

- User authentication and validation of members using unique id.
- Proper monitoring by the administrator which includes updating case status
- Proper accountability which includes not allowing a member to see other member's account. Only registrar will see and manage all member accounts.

4. NON FUNCTIONAL REQUIREMENTS:

4.1 Performance requirement:

It is expected that the system will perform all the functionalities as specified in the requirement.

- System should be able to handle expected and non-expected errors so that the information is not lost.

4.2 safety requirement:

The database may get crashed at any time due to virus or OS failure. Therefore it is required to back up data. Hence proper UPS/ inverter facilities should be available.