

TESTING OF JISS

- Group no 35

Test Plan:

In this section, we discuss the Test Plan for JIS. The primary focus of this plan is to ensure that the application adheres to the customers' needs and provides almost the same level of information and detail as the current system file browser while allowing for additional features and improvements particular to the group of users targeted.

The project will have three levels of testing, Unit, Regression, System & Functional. The details for each level are addressed in the following sections.

Features to be Tested

The following is a list of the features to be focused on during testing:

Registrar:

- User Sign In
- Register New Case
- Create Appointment
- View Case Status
- Edit Accounts
- Update Case Summary
- Query Cases (Pending and Resolved Cases)
- Change password

Judge:

- User Sign In
- Search Past Cases
- Edit Password
- View profile

Lawyer:

- User Sign In
- Search past Cases
- Check/Pay Credit
- Edit Password.

Approach

The testing for the JIS project will consist of Unit, Regression, System and Functional test levels. It is hoped that there will be at least one full time independent test person for system and functional testing. unit testing method i.e. both the BLACK-BOX and the WHITE-BOX approaches towards Test Suite Design of the software 'JIS'. In essence, we must therefore test each class in isolation, and each functionality in isolation using white box and black box techniques. This document shows the use cases, their description, test inputs and the Black-Box and White-Box outputs. If there does not exist both type of outputs, only the appropriate output is displayed.

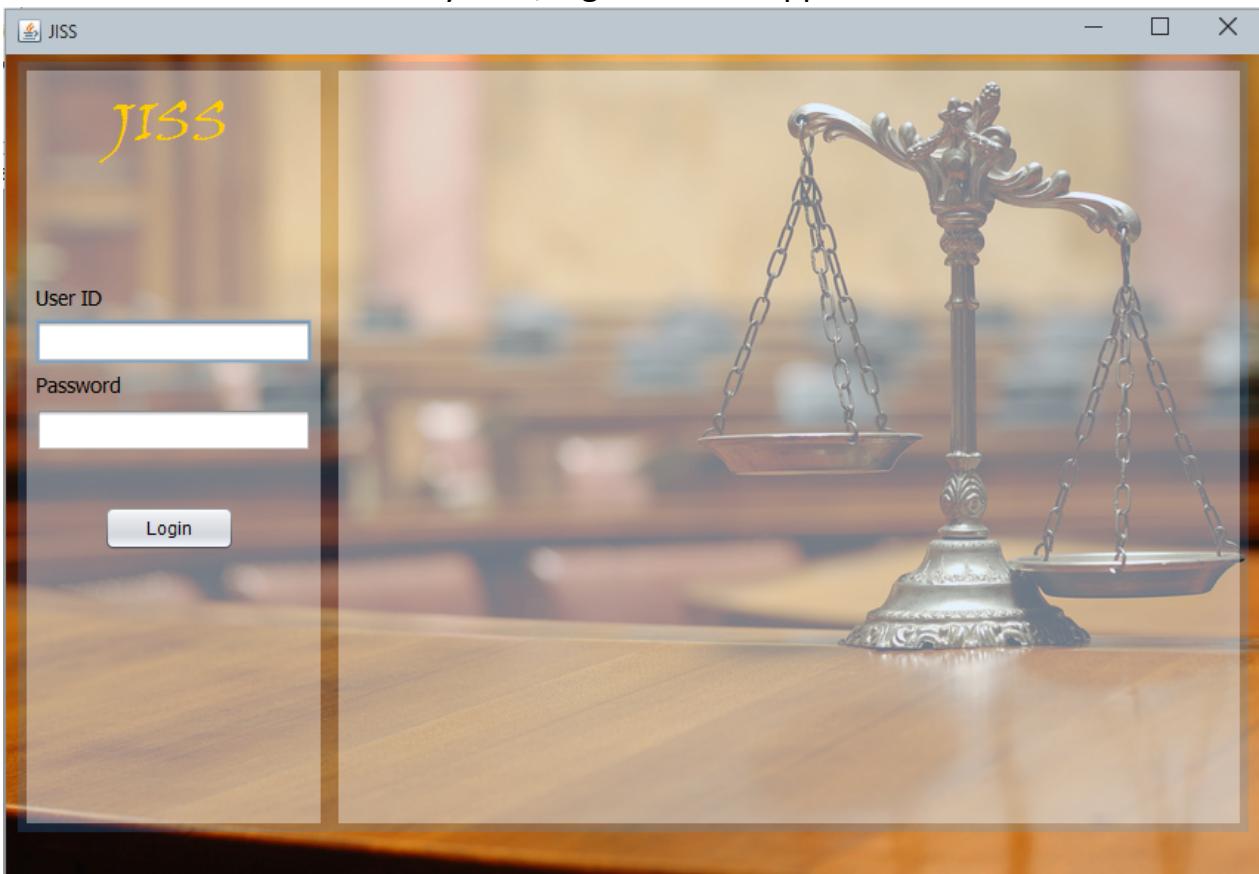
Regression Testing was done during coding the software by re-running existing tests against the modified code to determine whether the changes break anything that worked prior to the change and by writing new tests where necessary. Adequate coverage without wasting time was the primary consideration during conducting regression tests

System and Functional Testing will be performed by the test team and development team leader with assistance from the individual developers as required. Using black box testing techniques, testers will examine the high-level design and the customer requirements specification to plan the test cases to ensure the code does what it is intended to do.

Functional testing will be done ensuring that the functionality specified in the requirement specification works. No specific test tools will be used for this project. The application will enter in this level only after all the bugs from Unit testing are removed.

Black Box Testing:

When the user starts the System, login window appears:



Here the user can only move forward by entering appropriate login details.
If user enters wrong details, he/she will be prompted by a dialog box as shown:



REGISTRAR LOGIN

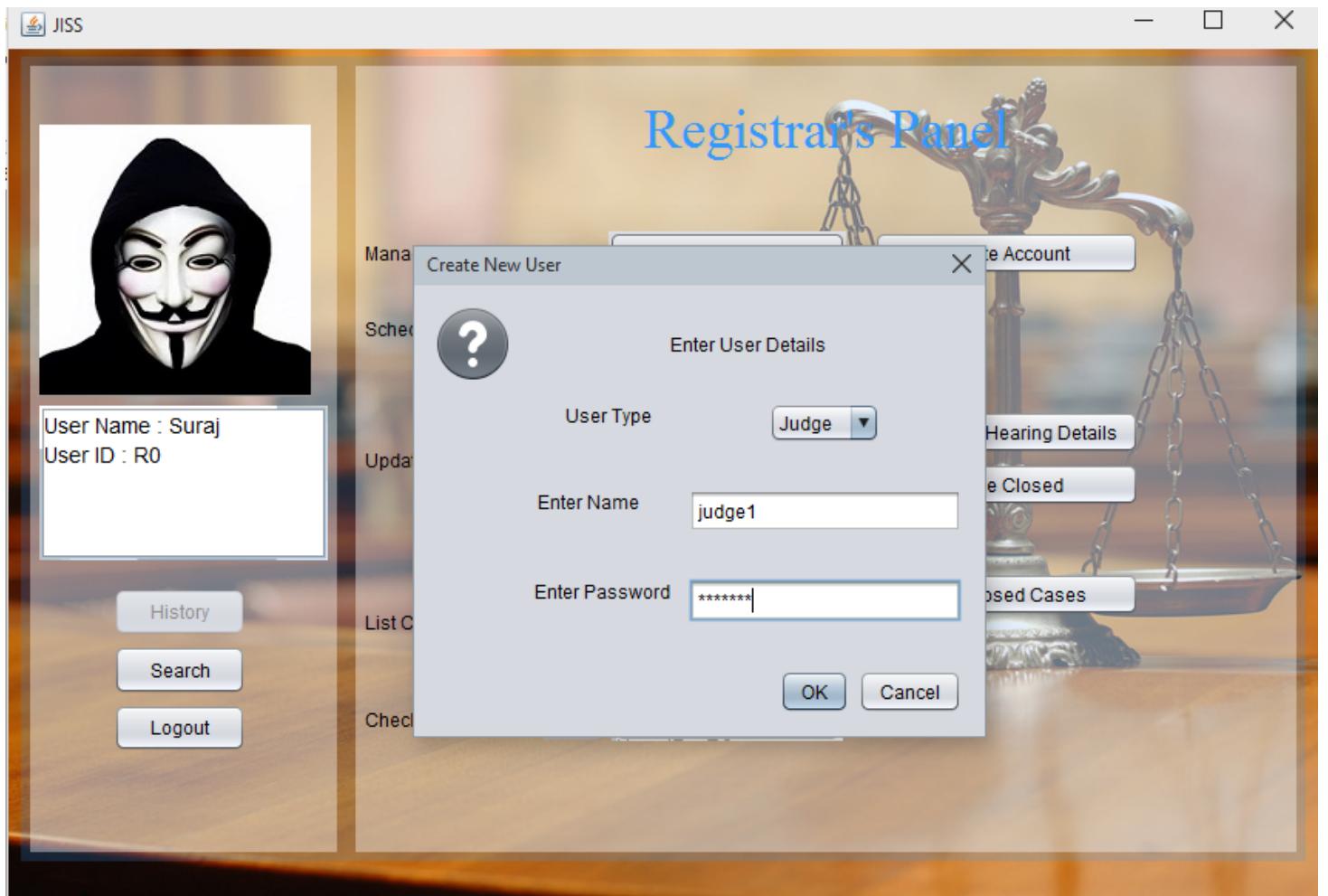
In our System username of registrar is "R0" and password is "surajkumar". If Login is successful, the default homepage appears.



Two judges are created with following details:

Test Cases for Judge and Lawyer (Two Judges and Two Lawyers):

Create Judge:



Name: Judge1

Password: secret1

user ID: J1

Name: Judge2

Password: secret2

user ID: J2

Create Lawyer:

It is done in similar way as that of the Judge.

We create two lawyer accounts.



Name: Lawyer1

Password: secret1

user ID: L1

Name: Lawyer2

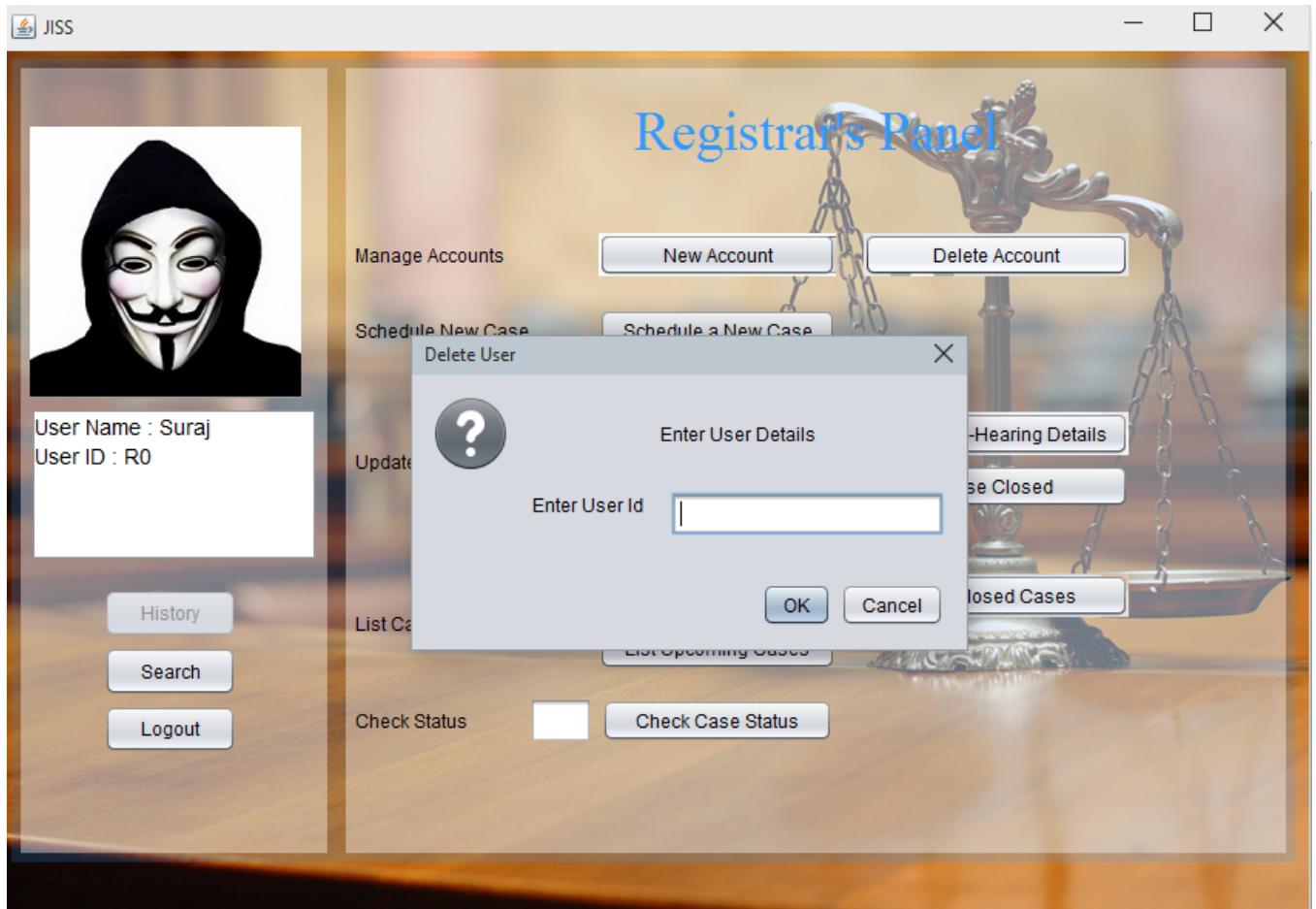
Password: secret2

user ID: L2

Delete Judge/Lawyer:

Both the accounts can be deleted by entering the user ID.

An example is Shown below:



Schedule new Cases:

Case can be scheduled from home page of Registrar..
New case is created by filling the details as shown below:



User Name : Suraj
User ID : R0

History

Search

Logout

New Case Entry

Crime Type

crime1

Defendant's Name

defendant1

Defendant's Address

address1

Lawyer's Name

lawyer1

Public Prosecutor's Name

pp1

Judge's Name

judge1

Name of Arresting Officer

officer1

Location Of Crime

location1

Date of Crime Commissi...

2015-03-01

Date Format : yyyy-[m]m-[d]d

Date of Arrest

2015-04-01

Next

Case 1:

Name of Defendant: defendant1

Address: address1

Crime type: crime1

Crime location: location1

Crime date: 01-03-2015.

Arrest date: 01-04-2015

Arresting Officer: officer1

Judge: judge1

Public Prosecutor: pp1

CIN: 1

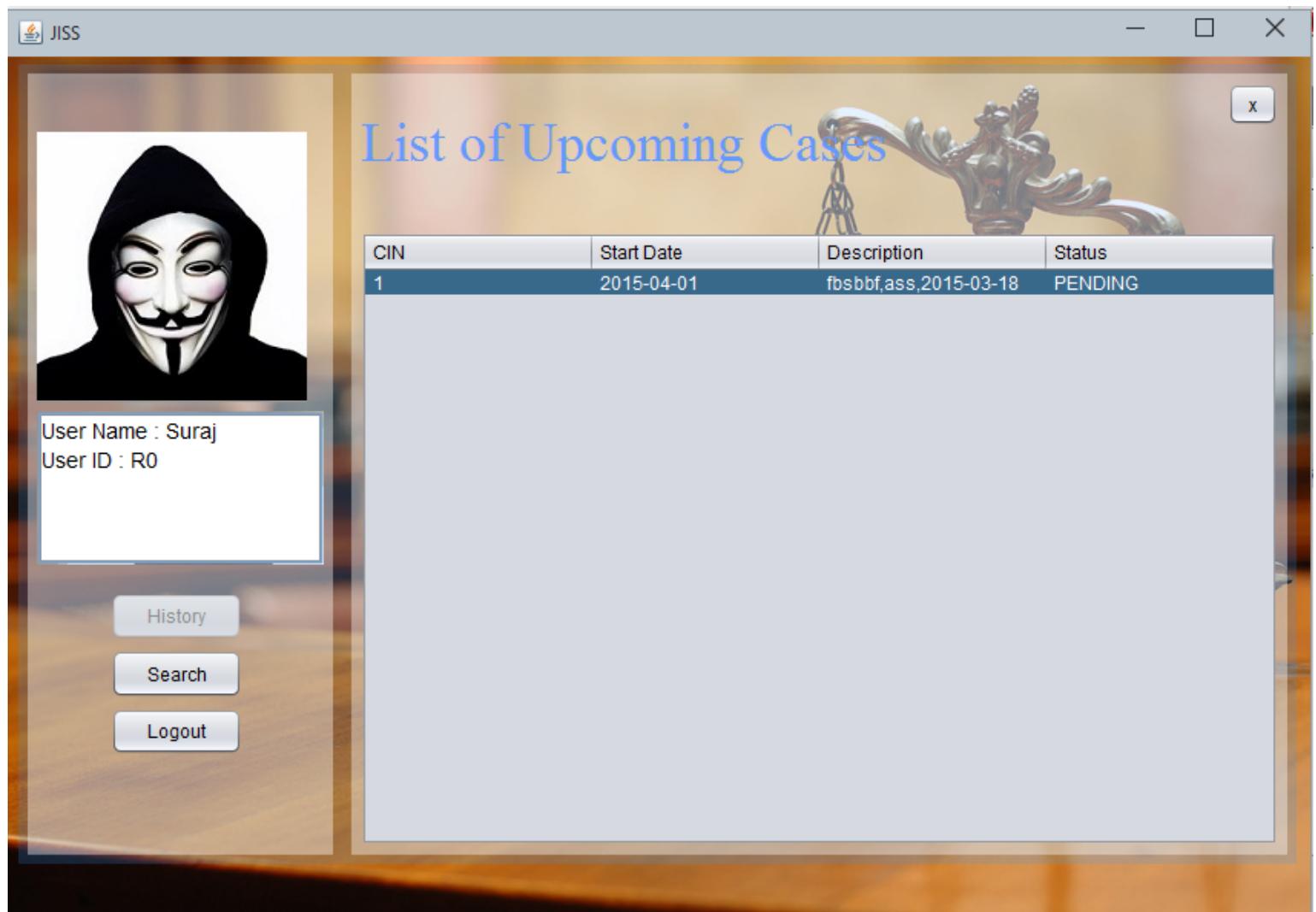
Check Case Status:

The status of any case can be checked by the "Check status" menu on the home page of the registrar.



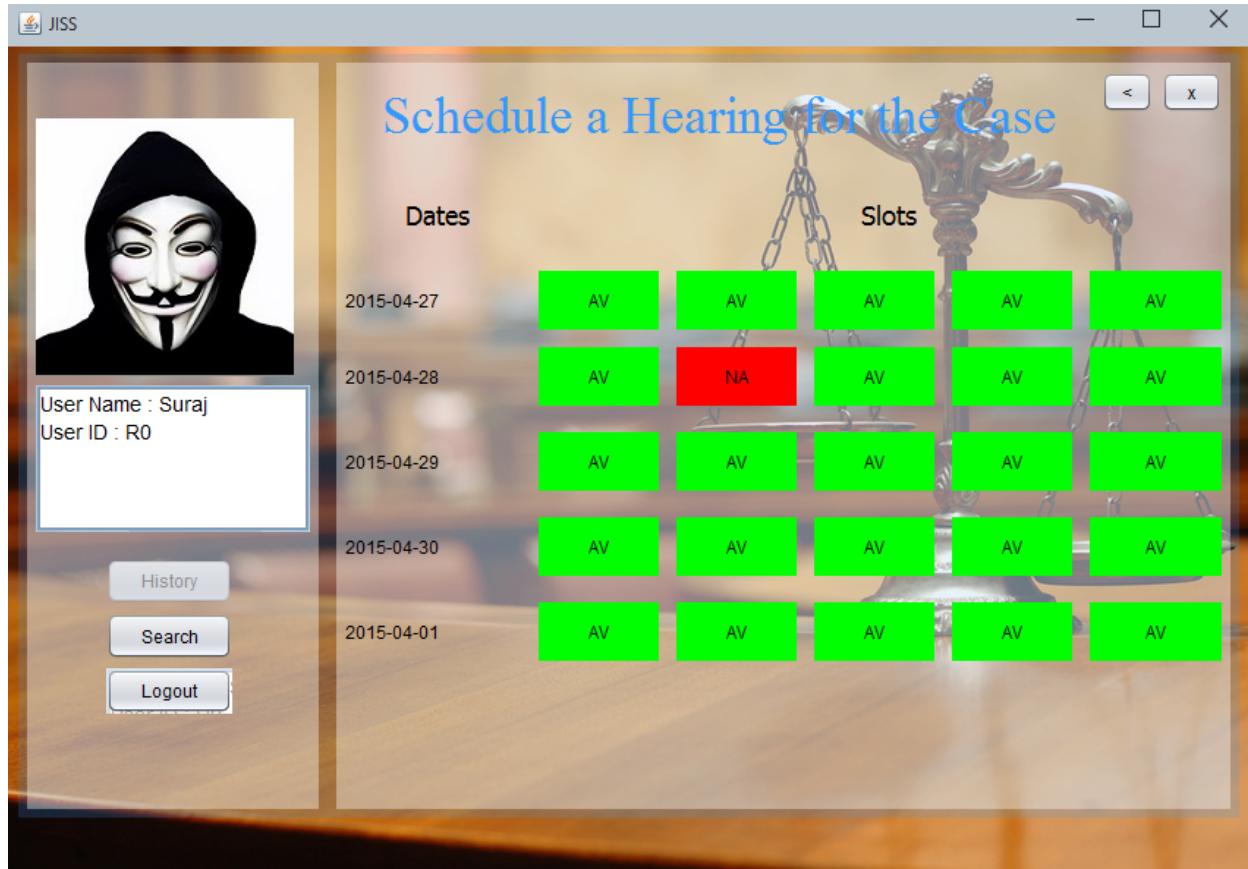
Pending Cases:

The list of pending and upcoming cases can be viewed by the registrar ,



The cases can be adjourned by the registrar and scheduled by the registrar by selecting the vacant slots.





Enter Hearing Details:

After slots are allotted and dates entered we can now enter the hearing details

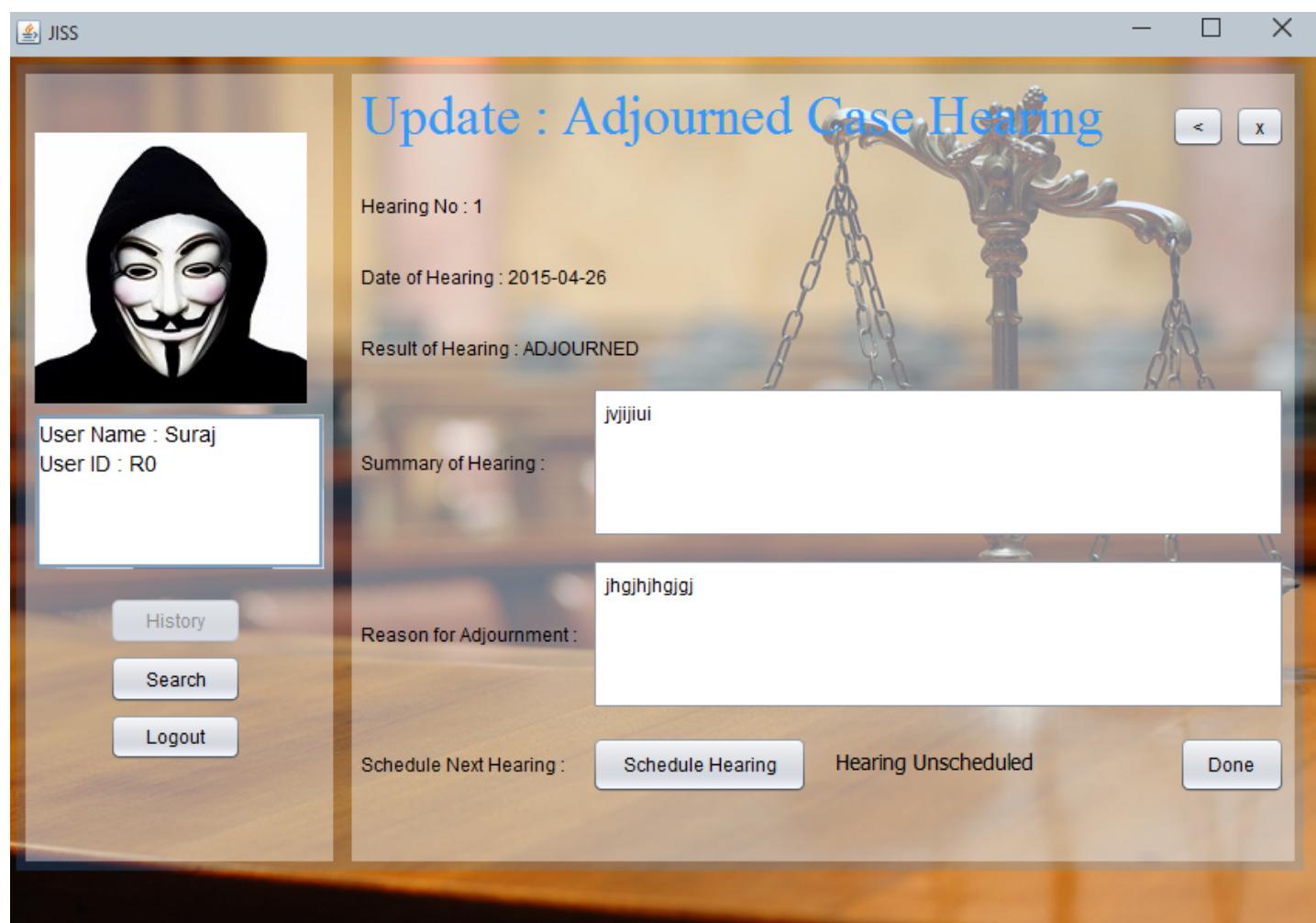
like trial Summary, Reason of adjournment.

If the case is completed we enter the total case summary.

We start by entering CIN

If CIN is incorrect user is prompted with invalid dialog box and he/she has to enter again or exit.

If CIN is correct, he can enter the summary of the trial day.



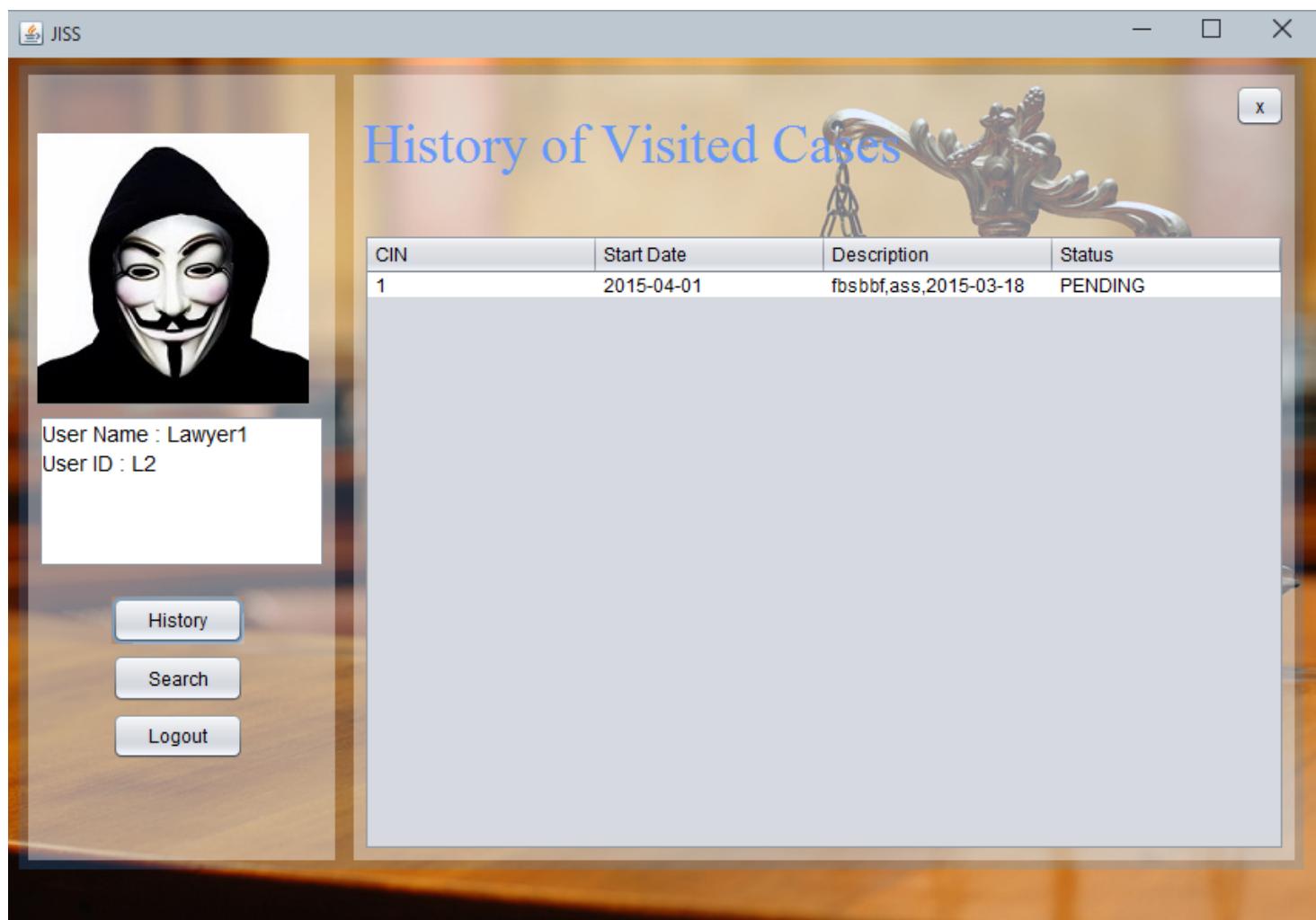
Pending Cases:

In Case Query Panel, if we click on Pending cases panel, it will display all the pending cased along with its details.



LawyerLogin:

Login of Lawyer 1.

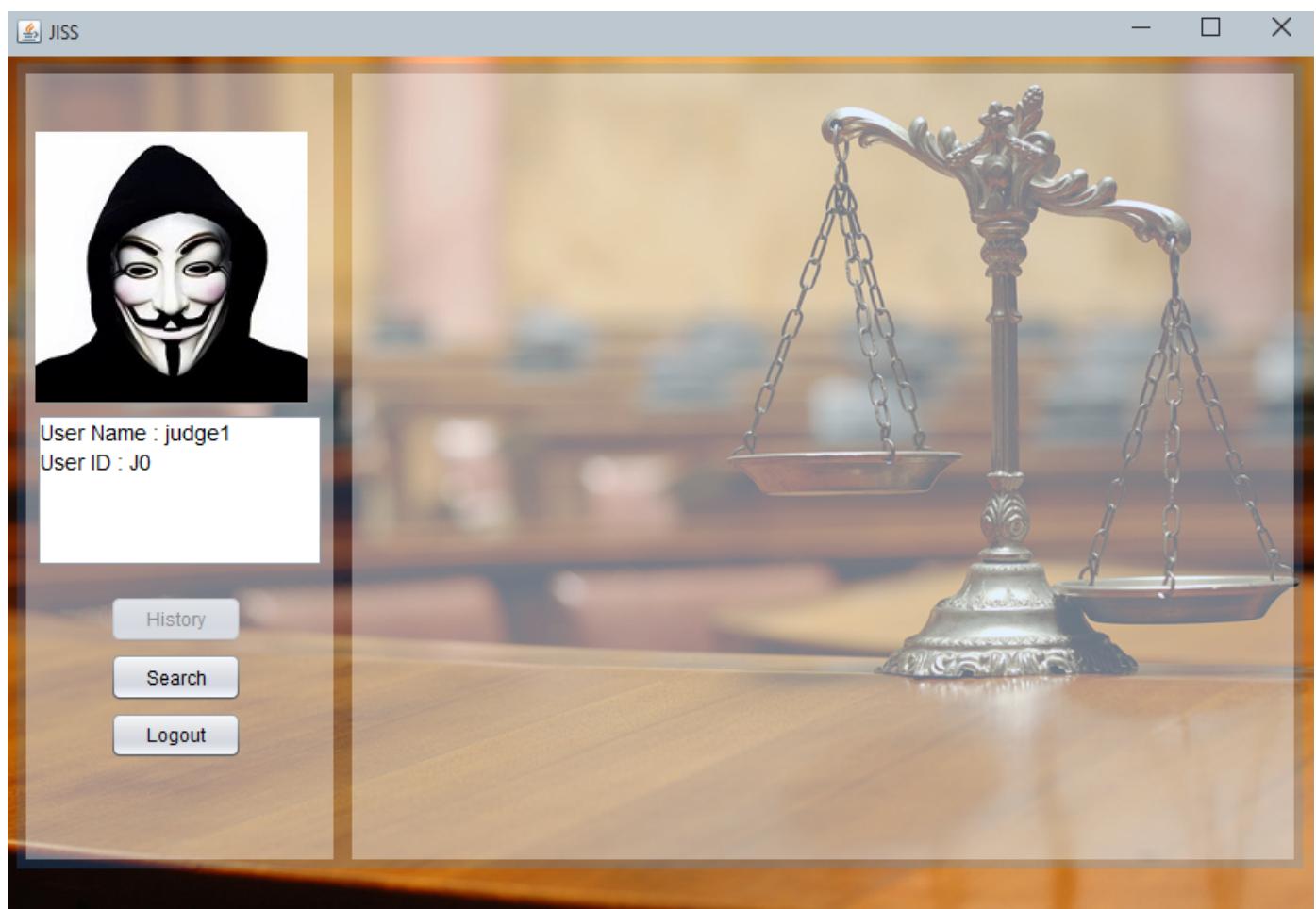


The lawyer can search and browse cases. For each case browsed, the lawyer is charged which he/she has pay for continuing the browsing services.



JudgeLogin

Login For Judge1.



3.12 Lawyer/Judge Search for Cases:

Searching of cases is same for both these types of users.

They can search based on specific key words .

User has to enter the key-word and click on search button .All the completed cases matching the specific keywords would be displayed.

The only difference is that in case of browsing by lawyer, a charge is paid but in case of judge, no charge is to be paid.

