



Software Engineering Laboratory
CS3074

Judiciary Information System (JIS)

Structure Chart
&
Design Document

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Problem Statement:

Develop the structure chart for Judiciary Information System. create a design document clearly explaining each of the sections.

Design Document:

Module Specification:

Register Case

Input: The User logs into the system by selecting the Log-In option. The defendant's name, defendant's address, crime type, date of crime, place of crime, name of arresting officer and the date of arrest for each case are entered by selecting the Input Case Details option.

Processing: The system opens the file which stores the log-in details of the users and matches it against the input.

Output: The computer automatically generates a unique case identification number (CIN) for each case.

Case Query:

Input: The User inputs the CIN(case Identification number) to get to know about the case details.

Processing: The system opens the file and search for the CIN and details matching the CIN.

Output: The system display all the details on the case.

Pending Cases:

Input: The user queries about the pending cases by selecting the Pending Cases option.

Processing: The system opens the file which stores the pending cases details and the user reads from that file and closes it.

Output: 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

Input: The user queries about the resolved cases by selecting the Resolved Cases option.

Processing: The system opens the file which stores the resolved cases details and the Registrar reads from that file and closes it.

Output: 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.

Upcoming Cases:

Input: The registrar queries about the upcoming cases by selecting the registered Cases option and specifying the dates of those cases for upcoming dates.

Processing: The system changes the dates of hearing of those unresolved cases on the file against their CIN.

Output: The system displays the list of the unresolved cases.

Case Status:

Input: The User selects the Case Status option and enters the CIN of the case he is interested in.

Processing: The system opens the file which stores the cases details and the Registrar reads the summary from that file and closes it.

Output: The computer displays the status of the particular case.

Pay Charge:

Input: The User can pay for their charges by logging into JIS and selecting Pay Charges.

Processing: The system opens the file which stores the amount details of the lawyers and resets the amount to NIL of the corresponding lawyer.

Output: This connects the JIS to the Billing System which generates the printed bill and resets the charges to NIL for the lawyer.

Edit Accounts:

Input: 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.

Processing: The system opens the file which stores the log-in details of the users and creates/deletes the corresponding user's details.

Output: A username and password is created for every account created and deleted for every account deleted.

Summary of Court Proceedings:

Input: The Registrar enters the summary of the case by selecting Enter Summary option and selects the Display Dates option for new hearing date.

Processing: The system opens the file which stores the case details and the Registrar writes the summary into that file and closes it.

Output: A new hearing date is assigned for the case.



