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Crime File System

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Abstract— the project is aimed to develop a crime file for maintain a computerized record of all the F.I.R against crime .The system is desktop application that can be access throughout the police department. This system can be used as an application for the crime file of the police department to manage the records of different activity of related to first information report .In such desktop Crime file system we will manage all such activities (like registration of the complaint updating information, search of particular viewing of the respective reports of crimes) that will save time, manpower. This software is for police station which provides facility for reporting crimes, complaints, FIR, charge sheet, prisoner records, and show most wanted criminal's details.

This system will provide better prospective for the enhancement of organization regarding to quality and transparency

Keywords— Crime file, F.I.R, Complaint, Crime.

I. INTRODUCTION

Crime File System is a system used to report crimes. It can used to report Crime. This project is mainly useful for police stations. This system will help to manage all the activities in a police station using computers. Currently all the works are done manually, by computerizing all the activities inside a police station can be managed easily and effectively. This system will help to manage all the activities in a police station using computers. It is a problem solving activity that requires intensive communication between the system users and system developers. Objective of this application is to maintain a computerized record of all the F.I.R against crime. Agile process model-Agile SDLC model is a combination of iterative and incremental model which focus on process adaptability and customer satisfaction by rapid delivery of working software product. Agile methods break the product into small incremental builds. These builds are provided in iteration.

A. Review of Literature

In creator sachinbagga, akshaygirdhar, rajunyan and zihanlin [1] have advanced an apiknown as rmi(remote method invocation) is being used with the help of which programmer can create allotted programs so that items that are residing on the one of a kind systems can engage with every different in an efficient way. The divide and conquer technique of the inograd's variation technique is the main thing which facilitates us in dispensed computing. partitioning a given matrix into sub matrix is achieved on the grasp facet and at every slave the logical partitioning into 2*2 matrixes has been

completed for enforcing given algorithm. Blessings of rmi is centered on java, with connectivity to current structures the usage of local methods. this means rmi can take a natural, direct, and fully-powered method to offer you with a disbursed computing era that helps you to upload java functionality at some stage in your system in an incremental, but seamless way. hazards of rmi strictly java. Cannot use with other code outside java. Cannot guarantee that a client will always use the same thread in consecutive calls. Meaning you want to jot down a mechanism for figuring out the purchaser yourself.

author davidfojtik, petr podesva, jangebauer [2] have advanced the thing describes verified techniques for ms square server express which automatically keep the state-of-the-art statistics inside the number one database, at the same time as older data are transferred into dynamically created databases. The gadget became deployed in ti'neckezelezarny a. s. where the information older than 30 days is saved in the number one database, and older data is transferred into databases that had been dynamically created for each month of manufacturing. Thanks to this technique, all databases are smaller than 2 gigabytes, at the same time as all information is without problems available from one square server explicit. benefits of sq. queries can be used to retrieve massive quantities of records from a database quickly and efficiently, square databases use lengthy-mounted standard, which is being followed by using ansi&iso. Non-square databases do now not adhere to any clear standard. Dangers of sq. is interfacing an square database is extra complicated than adding a few strains of code, despite the fact that sq. databases comply with ansi&iso requirements, some databases go for proprietary extensions to traditional sq. to make certain vendor lock-in.2 writer dr. r. Nagesh Wararao [3] have protected subjects all elements of core java programming language. It starts off evolved with fundamentals, together with such factor as data types, control statements, and instructions. java's exception-coping with mechanism, multithreading subsystem, programs and inter5faces. blessings of java are its miles item orientated, platform unbiased, .java is distributed. java is designed to make dispensed computing smooth with the networking functionality this is inherently integrated into it. Writing network packages in java is like sending and receiving data to and from a record. A danger of java the first and fundamental disadvantage anybody accepts is java's gradual speed of execution. of course it's miles designed as a way to get the have an effect on of platform-unbiased feature. with java, low-degree programming cannot be achieved as it is supposed to be portable throughout systems.

creator patricknaughton, herbertschlidt [4] covers some issues referring to the java beans swing, and servlets. it additionally provides a number of high powered java applets, known as scrabblet, is a entire, multiuser networked sport. it suggests a way to deal with a number of the toughest issues involved in internet-based programming. Swing affords a richer set of additives than awt. They're a hundred% java-based totally .awt then again became developed with the thoughts set that if a component or capability of a thing wasn't to be had on one platform, it might not be available on any platform. Something quickly portable from platform x, to y, to z. because of the peer-based totally nature of awt, what might paintings on one implementation won't paintings on another, as the peer-integration won't be as sturdy. many of the unique awt issues have been traceable to differences in peer implementations. Negative aspects of swings in fashionable, the main problem with swing is that it didn't live up to how it became advertised. it's a perfectly good enough generation for loads of use cases, however those first 5 or 6 years had been full of lousy implementations and atrocious applets. and now it's old tech - directly to internet 3.zero or something.

Author mr. Rudrakshbatra [5] this e-book gives the "web developers" with a simple and constant mechanism for extending the capability of a web server for gaining access to existing commercial enterprise structures. this may be a completely unique ebook for self gaining knowledge of and getting expertization in java database and net technologies together with jdbc, servlet, jsp, jstl and jsf. jdbc is used for connectivity among java and the database advantages of jdbc agencies can hold to use their mounted databases and get entry to records even though it's far saved on exclusive database control systems. The mixture of the java api and the jdbc capi makes software development smooth and fee powerful. The underlying centers and abilities of a selected database connection need to be understood. The jdbc capi offers metadata access that allows the improvement of sophisticated applications. Risks of jdbc are that jdbc isn't easy if it is used in massive tasks. There's a large programming overhead. Programmer should hardcode the transactions and concurrency codes in the software. Handling the jdbc connections and well last the relationship is likewise a huge issue. properly remaining the connection is should. jdbc isn't always accurate for big packages

II. PROPOSED SYSTEM

Digital In old system every task was done manually which takes lot of time and lack accuracy too? In the old system there was need to recruit more employees to maintain all facilities. But through computerized system this need is reduced, as computerized system is fast one. System can check duplicity; can enter self-generated Customer identification numbers and telephone no. So there are less chances of mistake in generation of Ids. From the description of the present system and problems with the existing system one can gauge the manpower wasted in these activities even then it is difficult to gain access to different information. Addition, updating, viewing, searching is very easy in the computerized system. Just on the click of fingers different data can be accessed. So, here lies the need for a change from the old system. The project should be developed such that the necessary functions and performance are achieved within the constraints. The project is developed within latest technology. Through the technology may become obsolete after some period of time, due to the fact that never version of same software supports older versions, the system may still be used. So there are minimal constraints involved with this project.

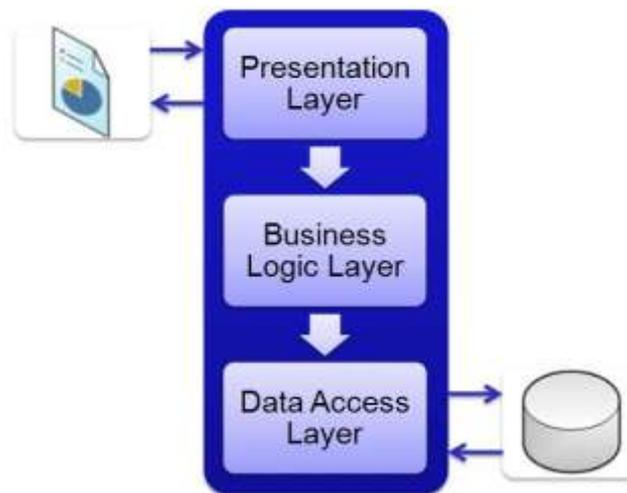


Fig 1: System Blok Diagram

The modules involved in this project are:

1. Login for user and admin
2. Complaint registration
3. View complaint status
4. Criminal register management
5. FIR Management
6. Case History Details management
7. Managing Post-mortem details
8. Prisoners register management
9. Manage list about most wanted criminals

1. LOGIN

This includes Administrator and User login. There will be a username and password to login into the system to use all the facilities.

2. COMPLAINT REGISTRATION

This module helps to register the details about the crime. This is done by entering some details, such as incident details, Victim details, crime details etc

3. VIEW COMPLAINT STATUS

This module allows us to view the status of the complaint that you have registered earlier.

4. CRIMINAL REGISTER MANAGEMENT

Here we can have the facility to view the details of the criminals. The administrator can add new criminal's details and save it in a database. This can be done by entering details such as criminal number, age, occupation, type of crime etc.

5. FIR MANGEMENT

This module allows viewing the First Information Report of all the crimes that took place at recent years. The administrator can enter FIR information and save it in a database.

6. CASE HISTORY DETAILS MANAGEMENT

Here we can view the details of the case, date of occurrence, the type of crime and place of occurrence etc...

7. MANAGING POSTMORTEM DETAILS

This module helps to view the post-mortem details of a person. The details such as date of death cause of death, name of the doctor etc.

8. PRISONER REGISTER MANGEMENT

This module helps the administrator as well as the user to store, view and manage the details of the past and present prisoners.

9. MANAGE THE LIST OF MOST WANTED CRIMINALS

This is an additional feature added to this Software, which helps us to make a quick search about the most wanted criminals. This helps to always keep track of and identify a person quickly, who is a most wanted criminal.

III. WORKING FLOW OF PROPOSED SYSTEM

The workflow of our proposed system starts with the user registering to our system as given in figure 2 and then logging in to the system as shown in Figure 3.

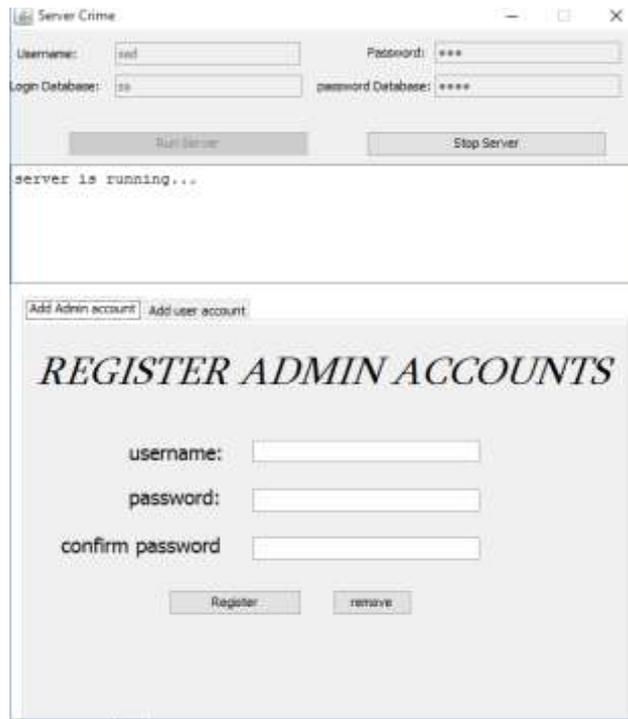


Fig 2. Server login page

This is server login page and you can add your admin and user account

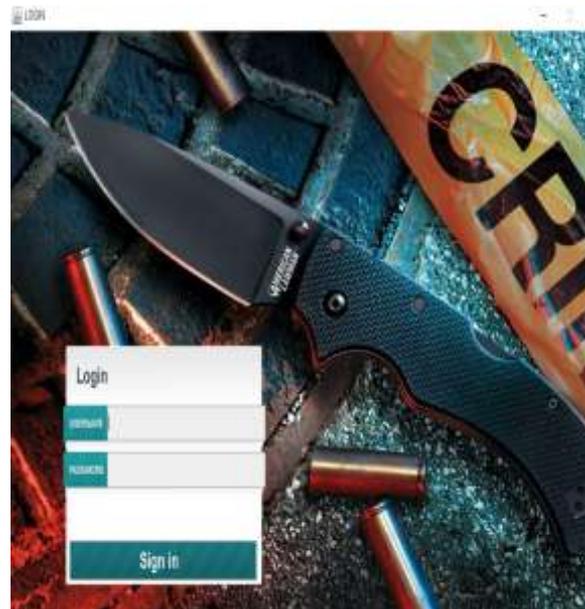


Fig. 3 Login page

This is user login account user can login into the software.



Fig. 4 Front Page

User can use different functionalities in this page

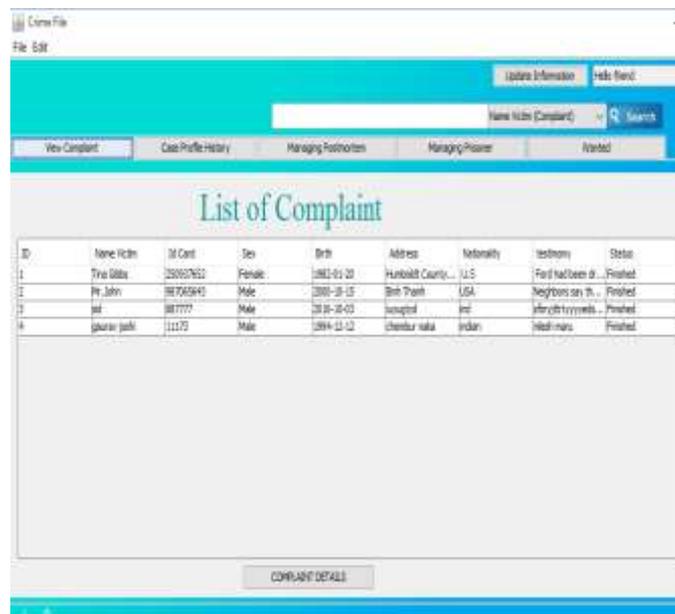


Fig. 5 List of complaints

User can view list of complaints added by user

The screenshot shows a web application titled 'COMPLAINT REGISTER'. At the top, there is a navigation bar with 'Update Information' and 'Hello Friend' buttons. Below this is a search bar labeled 'Name Victim (Complaint)' with a search icon. A secondary navigation bar contains tabs for 'View Complaint', 'Case Profile History', 'Managing Postmortem', 'Managing Prisoner', and 'Wanted'. The main content area is divided into two columns. The left column, titled 'Victim', contains input fields for 'Full Name', 'Id Card', 'Date Of Birth', 'Gender' (with radio buttons for 'Male' and 'Female'), 'Address', and 'Nationality'. The right column, titled 'Testimony', contains a large text area and a 'Status' field with radio buttons for 'Finished' and 'Unfinished'. A 'REGISTER' button is positioned at the bottom right of the form area.

Fig. 6 Complaint Register

IV. ADVANTAGES AND DISADVANTAGES

A. Advantages

- It will provide security for the data.
- Ensure more data accuracies in the system.
- Proper control of the
- Higher officials.
- Minimize manual data entry by the user.
- Minimum time needed for the various processing in the system
- It provides with Greater efficiency.
- Better service than older system
- User friendliness and Interactive which can easily operated by everyone.
- Minimum time required by the system.

B. Disadvantages

- Criminal finger print record can be captured but this system but the feature is not included
- The project is a desktop version so the client software has to be installed on the system, however web interface for the client could be developed

CONCLUSION

Crime file system initiates the objective of providing the user with customized and powerful complaint registration and process management system side software. The software is built with all options such as complaint registration, prisoner's registration, and post-mortem report generation etc...All the requirements specified during the analysis and design phase are fully met, thus resulting in the formation of good software.

The system is strong enough to withstand regressive yearly operations under conditions where the database is maintained and cleared over a certain time of span. The interface provided is very user friendly and flexible for all times. The implementation of the system in the organization will considerably reduce data entry, time and also provide readily calculated reports.

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