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CRIME MANAGEMENT SYSTEM

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Abstract - *The "Crime Management System" is a web based website for online complaining and computerized management of crime records. Here in this website a person who wishes to file a complaint or report an incident must register before log in and once the admin authenticates the user he or she can login into the website and file a complaint .This complaint will be received by police and police can send a message regarding status of the complaint to the user who filed the complaint. Police can use this software to manage different crimes and some of the works which is done in police station manually. Police gets their login password from admin directly. Some of the modules like news, safety tips, missing persons and most wanted criminals can be viewed through the website without logging in. So this website helps police to find out the problems in the society without them actually coming to the police station.*

Key Words: Introduction, Proposed System, System Design, Technology Description, Advantages

1. INTRODUCTION

The crime management system can help in storing the records related to the criminals, cases, complaint record, case history and so on. This can allow a person to enter or delete the records if necessary. All these records can be maintained in a single database. Security is maintained so as to ensure that only the authorized users will have access to the system. This application will be one of the useful projects that the police can rely on. This website can help in getting the information of the criminals of many years back. It can also help in minimizing most of the work of the police. The features that can be included in this website are as follows:

1.1 Criminal record: This website can contain the details related to the criminals in the particular case.

1.2 Complaint registration: The details of the complaints that are registered can also be stored through this website.

1.3 Police database management: The details of the police in the particular police station can be maintained through this website.

2. PROPOSED SYSTEM

2.1 MODULES

2.1 Station module:

- Each of the station must first register with the website.
- Once the prospective station registers with the website they can avail the existing records.

2.2 Citizen module:

- Each of the citizens, who has a complaint to register, must first register on the Website.
- Once the registration is complete, the citizen can sign-in to the website & register their complaint.

2.3 Crime module: This module is used for entering all details about the crime.

2.4 Administrators Module: The module will be focusing on the maintenance like Master Data Maintenance, Removal of old and outdated data from the software etc.

2.2 ACTORS OF THE PROJECT

User: Posting the complaints, Posting the reminders and View the status of his complaint.

Administrator: Viewing the complaints, viewing reminders, Generating the reports.

Department: Detect the criminals and punish them according to the police laws

3. SYSTEM DESIGN

3.1 System Flow Diagram

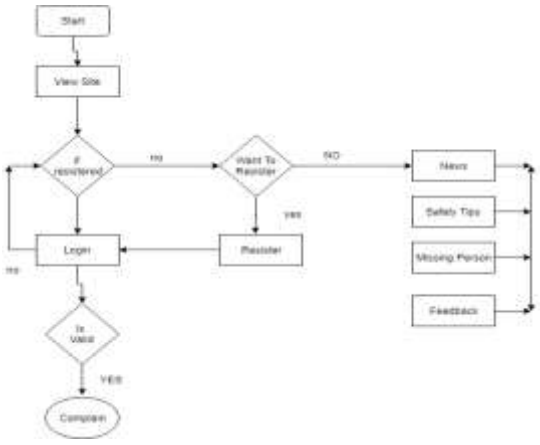

Fig 3.1 System Flow Diagram of CMS

3.2 Use Case Diagrams

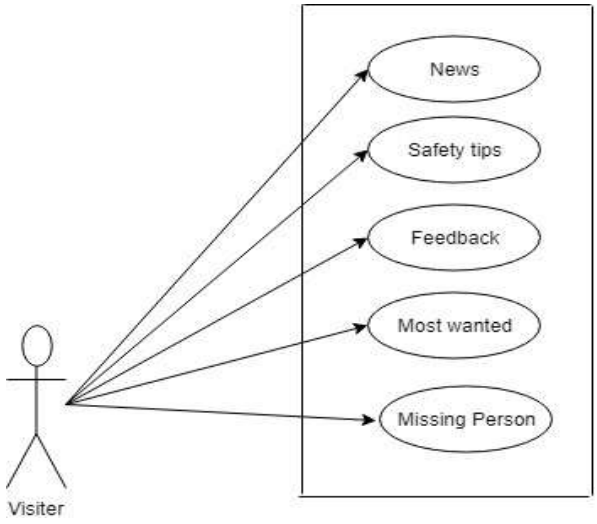

Fig 3.2.1 Visitor use case Diagram

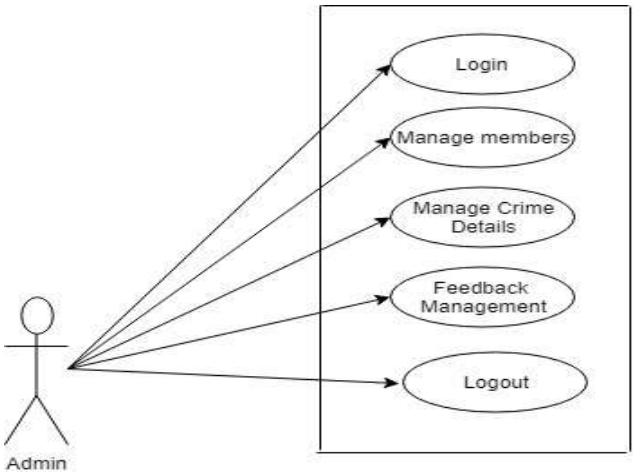

Fig 3.2.2 Admin use case Diagram

4. TECHNOLOGY DESCRIPTION

4.1 HTML:

HTML stands for Hyper Text Markup Language, which is most widely used language on web to develop web pages. HTML refers to the way in which Web pages (HTML documents) are linked together. Thus, the link available on a web page is called Hypertext.

4.2 CSS:

CSS is designed primarily to enable the separation of document content from document presentation, including aspects such as the layout, colors, and fonts. This separation can improve content accessibility, provide more flexibility and control in the specification of presentation characteristics, enable multiple HTML pages to share formatting by specifying the relevant CSS in a separate .css file, and reduce complexity and repetition in the structural content.

4.2 MySQL:

MySQL is an open source RDBMS that relies on SQL for processing the data in database. MySQL provides APIs for the languages like C, C++, JAVA, PHP and Python. MySQL is most commonly used for web applications and for embedded applications and has become a popular alternative to proprietary database system because of its speed and reliability. MySQL can run on UNIX, Windows and Mac OS.

4.3 PHP

The PHP Hypertext Preprocessor (PHP) is a programming language that allows web developers to create dynamic content that interacts with databases.

• PHP is a recursive acronym for "PHP: Hypertext Preprocessor".

• PHP is a server side scripting language that is embedded in HTML. It is used to manage dynamic content, databases, session tracking, even build entire commerce sites.

• It is integrated with a number of popular databases, including MySQL, Oracle, and Microsoft SQL Server.

• PHP is pleasingly zippy in its execution, especially when compiled as an Apache module on the Unix side. The MySQL server, once started, executes even very complex queries with huge result sets in record-setting time.

4.4 JavaScript

JavaScript is a light weight, interpreted programming language. It is designed for creating network-centric applications. It is complimentary to and integrated with Java. Java Script is very easy to implement because it is integrated with HTML. It is open and cross-platform.

5. Snapshots:

Fig 5.1. Page Name: Login Page

Fig 5.2 Page Name : Police Station Page

Fig 5.3 Page Name : Admin Page

Fig 5.4 Page Name : User Page

6. Advantages

- Reduced time consumption
- No paper work needed
- No loss of records
- Centralized database management

7. FUTURESCOPE

The scope of the project includes that what all future enhancement scan be done in this system to make it more feasible to us:

- Databases for different products range and storage can be provided.
- Multilingual support can be provided so that it can be understandable by the person of any language.
- More graphics can be added to make it more user friendly and understandable.
- Manage & backup versions of documents online.

8. Conclusion:

Now-a-days everything is getting computerized. Manual work usually consumes a lot of time and is error prone. To make complaining easy and manage crime records this application is very helpful. Thus, Crime Management System overcomes most of the limitations of the existing system along with being very user friendly application.

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