Tribhuvan University
Faculty of Humanities and Social Science

A Project Proposal On

"Online Crime Reporting System"

Submitted to
Department of Computer Application
Nepalaya College

In partial fulfillment of the requirements for the Bachelors in Computer Application

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Abstract

Online Crime reporting system stands as a web-based application with the primary objective of offering individuals a convenient platform to report crimes online without having to visit the police station every time. The user interface has been designed to be user-friendly, ensuring a seamless experience for all users. To access the system's functionalities, individuals must initiate the process by registering and creating a personalized profile. After successful registration, users can log in to the system, providing them with the capability to complete an online form tailored for crime reporting and subsequently submit it for necessary actions.

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Abbreviations

FIR	First Information Report
ICT	Information and Communications Technology
DFD	Data Flow Diagram

Introduction

Criminal activities involve unlawful actions carried out by individuals. Upon the commission of a crime, a FIR is filed against the responsible individual. However, in an era marked by digital advancements and interconnected technologies, the traditional method of recording cases in handwritten form proves insufficient. Handwritten records pose several drawbacks, including the risk of loss or damage over time, significantly impacting the handling of cases.

Addressing these challenges, our web-based application "Crime Reporting System" offers a solution. This platform allows for complaints to be submitted through a website, offering a more reliable alternative to handwritten reports. This approach is advantageous for the relevant department in recognizing societal issues and reduces the necessity for individuals to visit the police station for each report.

Problem Statement

This project is very helpful for the people who have knowledge of computer. This project is very suitable for Nepal in present context as many people now can use computers and web-based application. Currently, crimes reporting in Nepal relies on handwritten records which is not a modern technique as many reports may be erased due to human error and natural cause. So, to minimize the problem we have develop this project to store the reported crime safely for very long time in the database. Additionally, the project provides users with the capability to monitor the progress of their submitted reports.

Objectives

The main objectives of this project are to:

1. remove manual record keeping
2. keeps tracks of the progress of cases
3. improve the investigation more efficient using ICT

Scopes and Limitations

Scopes

The online crime reporting system aims to:

1. Create an online system to simplify and digitize the process of reporting crimes.
2. Establish a secure user authentication system for both complainants and the administrative panel.
3. Store details of complaint reports are securely in the database.

Limitations

This system has following limitations:

1. It is challenging to ensure identification and authentication of both fraudulent users and reported crimes.
2. System cannot be used if the server is shut down or corrupted.
3. Not suitable for individuals without a technical background.

Requirement Analysis

Functional Requirements

Functional requirements define what the system does or must do. The functional requirements contain the following:

- User Authentication
- Submission of Complaints
- Storage of Data in Database

Non-functional Requirements

Non-functional requirements specify how well the system should perform its functions. The non-functional requirements contain the following:

- Reliability
- Compatibility
- Performance

Feasibility Study

This study evaluates technical, operational, economic, and scheduling factors to assess the feasibility of the project and determine its suitability for progression.

Technical Feasibility:

The project technical feasibility is positive, given its reliance on commonplace hardware and software components, including web servers, databases, and web development tools. The chosen technologies are widely available, making them well-suited for the implementation of the project.

Operational Feasibility:

Since all the technologies intended for use in the project are already employed in other applications, no issues are anticipated. So, the project would be expected to operate smoothly, and no user would face any problems using the system.

Economic Feasibility:

The project will be developed using open-source technologies, which are free of cost. Therefore, the system is economically feasible and cost-effective.
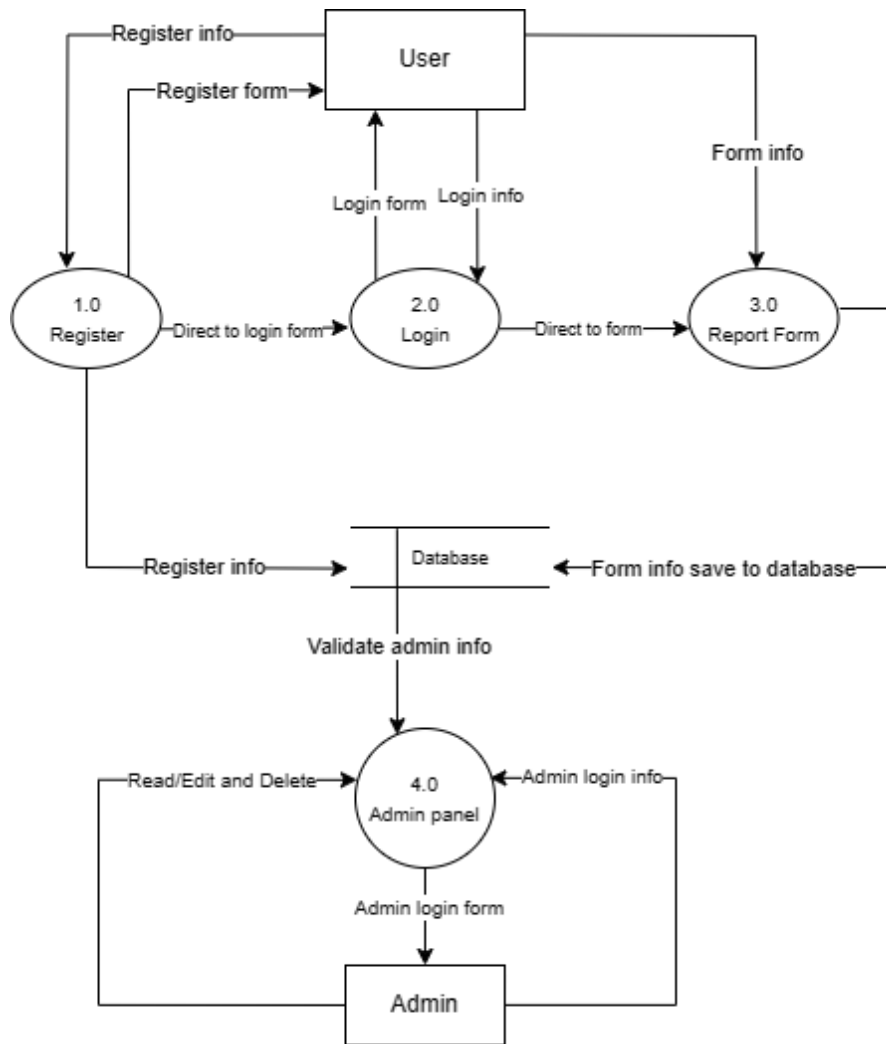
System Design

Figure 1: Level 0 DFD

Figure 2: Level 1 DFD

Project Timeline

	1st week	2nd week	3rd week	4th week	5th week	6th week	7th week
Planning	█						
Analysis		█					
Design			█				
Coding				█			
Testing					█		
Implementation						█	
Documentation				█	█	█	█

Figure 3: Gantt Chart

Conclusion

The development of Crime Reporting System is greatly benefit for the people and polices. As before people has to go to police station for reporting complaint, now people can do that work from home. This helps to reduce the amount of manual work like data entry, paper works and gives great efficiency.