



Department of
Computer Science & Engineering
University of Liberal Arts Bangladesh

CIRS **(Campus Incident reporting system)**

Submitted to
Wahida Ferdose
Urmi

Submitted by

Zawad Bin Abu Kayum (232014060), Nafis Ahmed (232014068),
Masum Sagor(232014124), Wakib Hasan Jimam (232014098)

Course Title: Design Project-II, Course Code: CSE 3200
Section: 02 , Semester: Fall 2025

Department of Computer Science and Engineering (CSE)
University of Liberal Arts Bangladesh.
Dhaka, Bangladesh

Problem statement:

Universities often struggle with slow, unstructured, and confidentially weak methods of reporting campus incidents such as harassment, theft, or safety concerns. This leads to underreporting, delayed responses, and limited transparency. Administrators also face challenges in tracking and analyzing incident data effectively. To address these issues, a **smart and secure Campus Incident Reporting System** is proposed. It will allow students and staff to submit reports anonymously or with their identity, attach media evidence, and track report status in real time. Administrators can manage and investigate incidents through a centralized dashboard, ensuring faster response, accountability, and improved campus safety.

Objective:

This project focuses on developing a smart and secure **Campus Incident Reporting System** that enables students and staff to report incidents quickly and safely. Users can submit reports anonymously or with their name, attach photos, videos, or documents, and include details such as date, time, and location. The system allows 9+users to track the status of their reports as they progress from “New” to “Resolved.” Administrators will have access to a centralized dashboard to view, investigate, and analyze categorized reports. The goal is to build a transparent, user-friendly, and data-driven platform that enhances campus safety and ensures faster, informed responses.

Target Users:

- Students– focus on reporting and seeking help.
- Admin– help monitor, guide, and support resolution.

Survey Details:

Platform Used: Google Forms

Key Survey Questions:

- For students:
 1. Have you ever witnessed or faced any harmful incident on campus?
 2. Did you report it? If not, why?
 3. Would you use an online platform to report such incidents?
 4. How important is anonymity when reporting?
 5. What features would make you feel comfortable using such a system?
- For Admin/teachers:
 1. Have you ever been informed (formally or informally) about any harmful or disciplinary incident involving students?
 2. How do you currently receive and manage incident reports?
 3. What challenges do you face in the current incident reporting process?
 4. Would a web-based system help improve the reporting and management process?

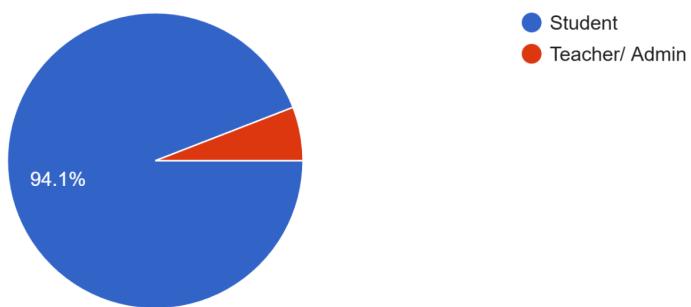
5. What features would you find most useful in such a system?

Responses:

Role selection

Please select your role

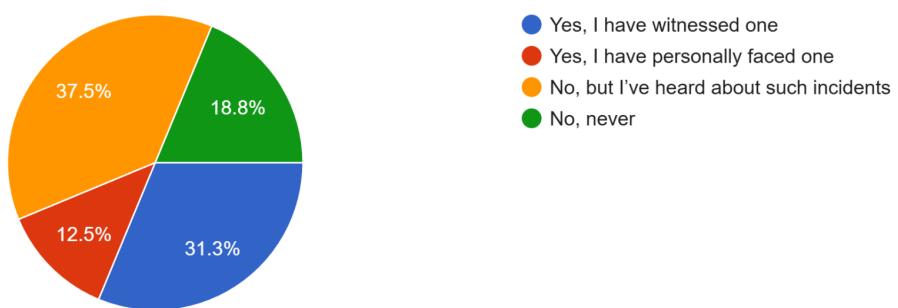
17 responses



For Students:

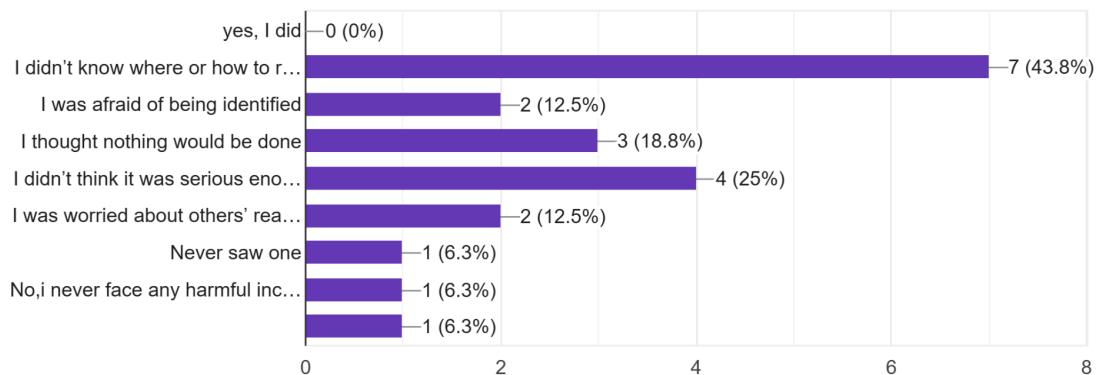
Have you ever witnessed or faced any harmful incident on campus?

16 responses



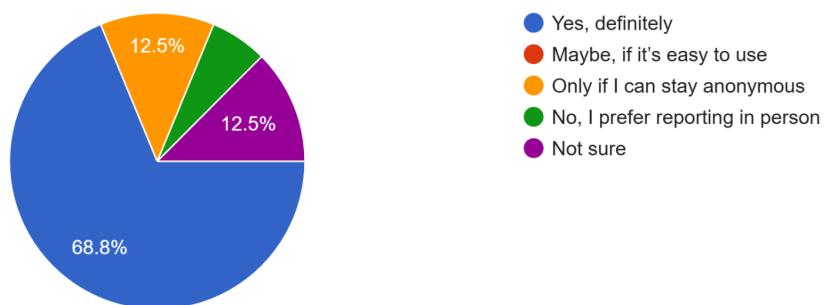
Did you report it? If not, why? (select all that applies)

16 responses



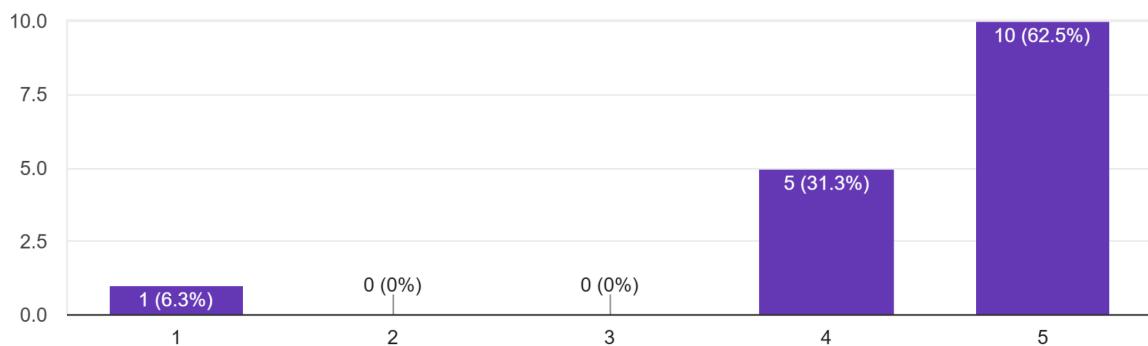
Would you use an online platform to report such incidents?

16 responses



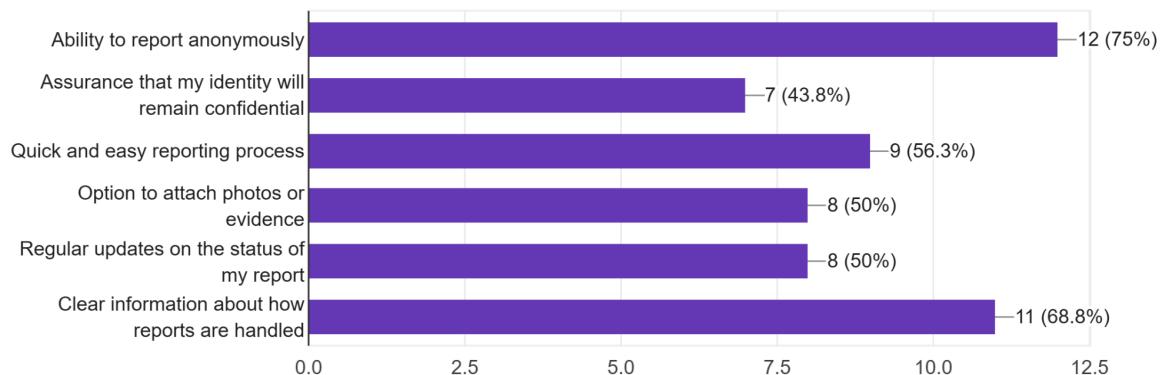
How important is anonymity when reporting?

16 responses



What features would make you feel comfortable using such a system? (select all that applies)

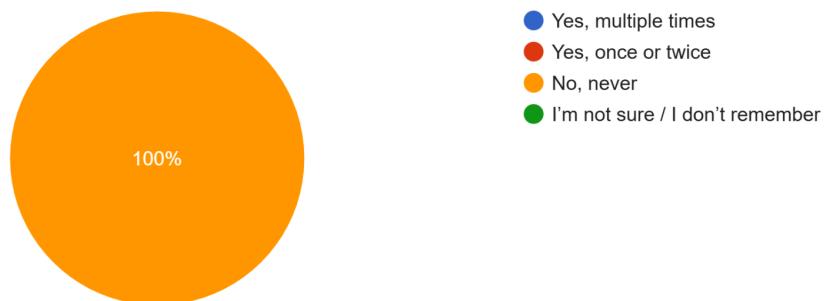
16 responses



For Admin/teachers:

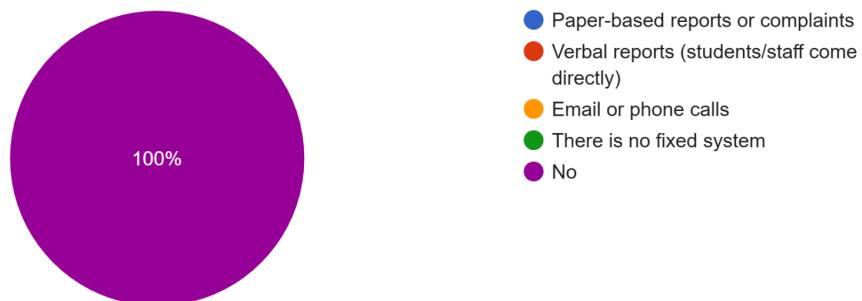
Have you ever been informed (formally or informally) about any harmful or disciplinary incident involving students?

1 response



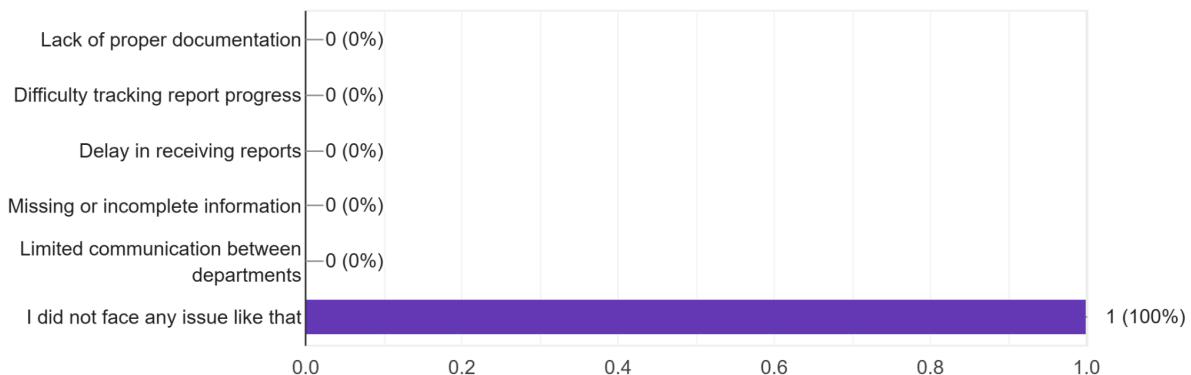
How do you currently receive and manage incident reports?

1 response



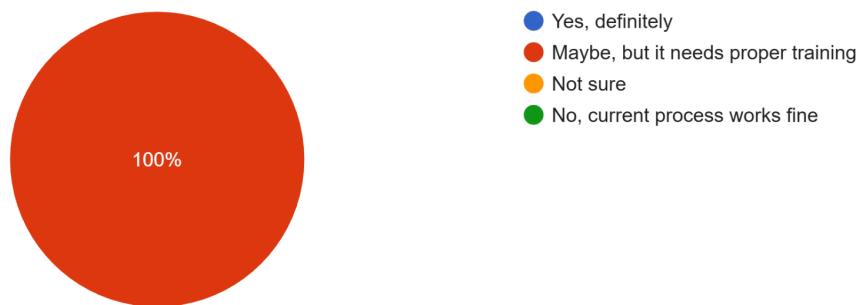
What challenges do you face in the current incident reporting process? (select all that applies)

1 response



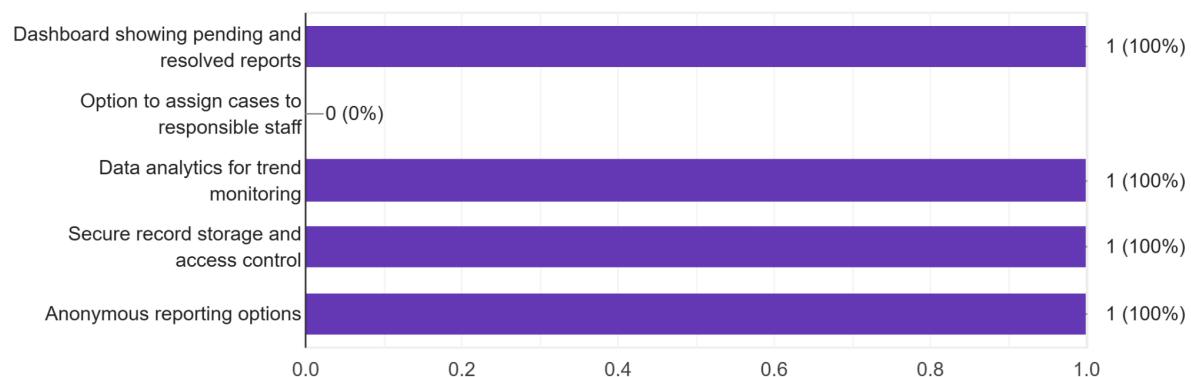
Would a web-based system help improve the reporting and management process?

1 response



What features would you find most useful in such a system? (select all that applies)

1 response



Summary of the responses:

Incident Experience and Reporting Behavior

- Most participants are students (94.1%).
- 31.3% witnessed a harmful incident, 12.5% personally experienced one, 37.5% heard about such incidents, and 18.8% have never encountered one.
- No respondents reported incidents. Main barriers include lack of knowledge about where/how to report (43.8%), belief that incidents aren't serious or nothing would be done (25% and 18.8%), fear of being identified or others' reactions (each 12.5%).

Importance of Anonymity and Current Incident Reporting

- The majority of respondents, 62.5%, rated anonymity as extremely important (5 out of 5) when reporting, with an additional 31.3% giving a high importance score (4 out of 5).
- Currently, there appears to be no formal system in place for managing or receiving incident reports, as indicated by the single admin/teacher response.

Attitude Toward Online Reporting Platforms

- 68.8% would definitely use an online platform, 12.5% maybe, 12.5% only if anonymous, and small numbers prefer in-person or are unsure.

Features Desired in an Online Reporting System

- Top features desired by students: anonymous reporting (75%), clear process information (68.8%), quick and easy reporting (56.3%), attaching evidence, regular status updates, and confidentiality assurance (43.8%-50%).
- Admins/teachers highlighted the need for dashboards, analytics, secure storage, and especially anonymous reporting.

Challenges and Impact of a Web-Based System

- Admin/teacher respondents indicated they haven't personally faced challenges with the current process, likely due to the absence of a formal system.
- All admin/teacher respondents believe a web-based system would improve reporting and management.

ER Diagram:



FIG: ER Diagram of CIRS

Use Case Diagram:

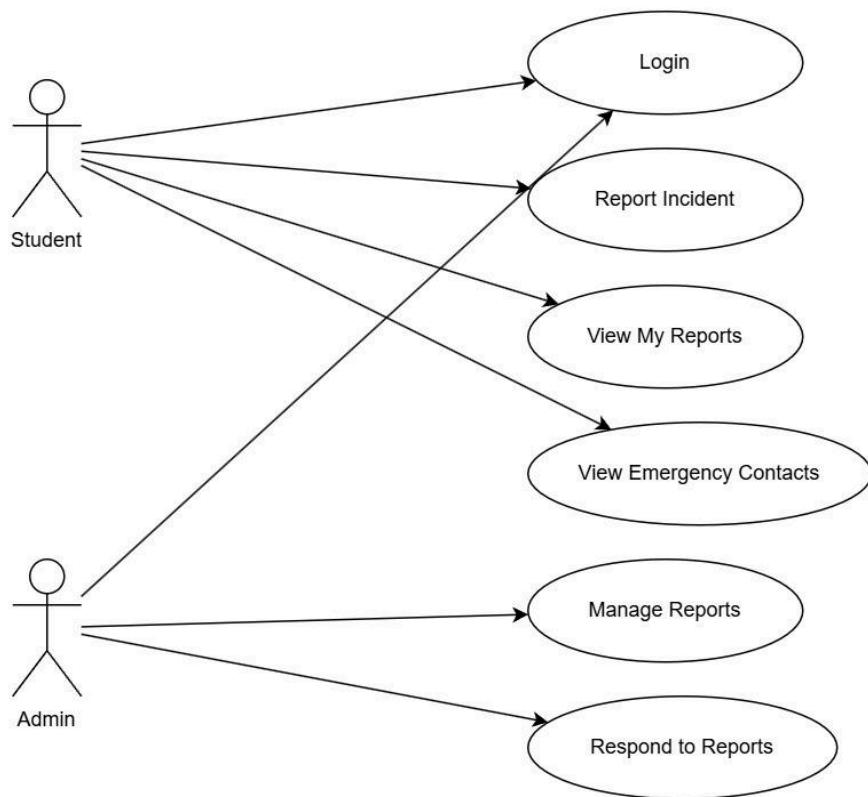


FIG: Use Case Diagram of CIRS

Activity Diagram:

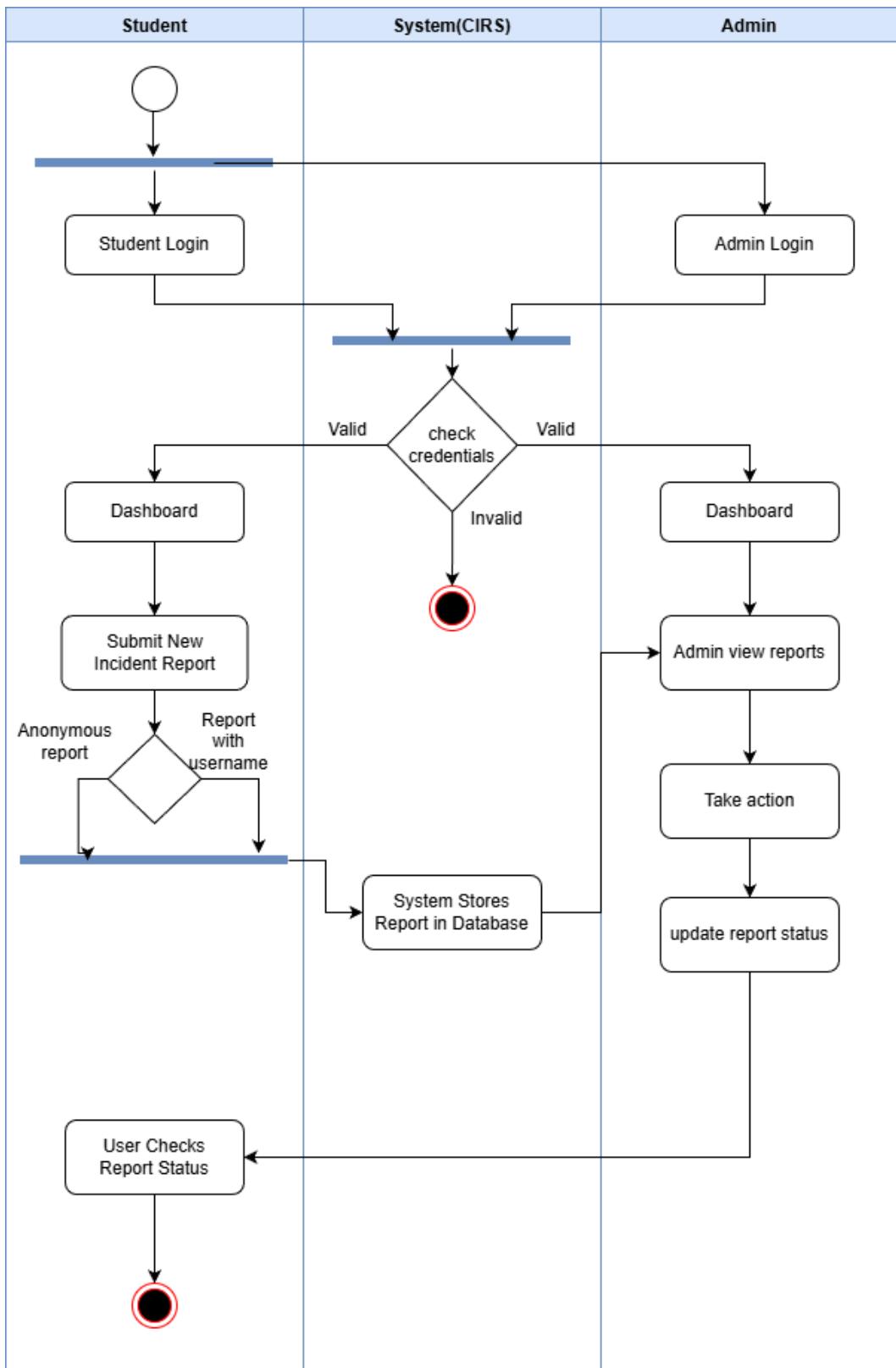


FIG: Activity Diagram of CIRS

Class Diagram:

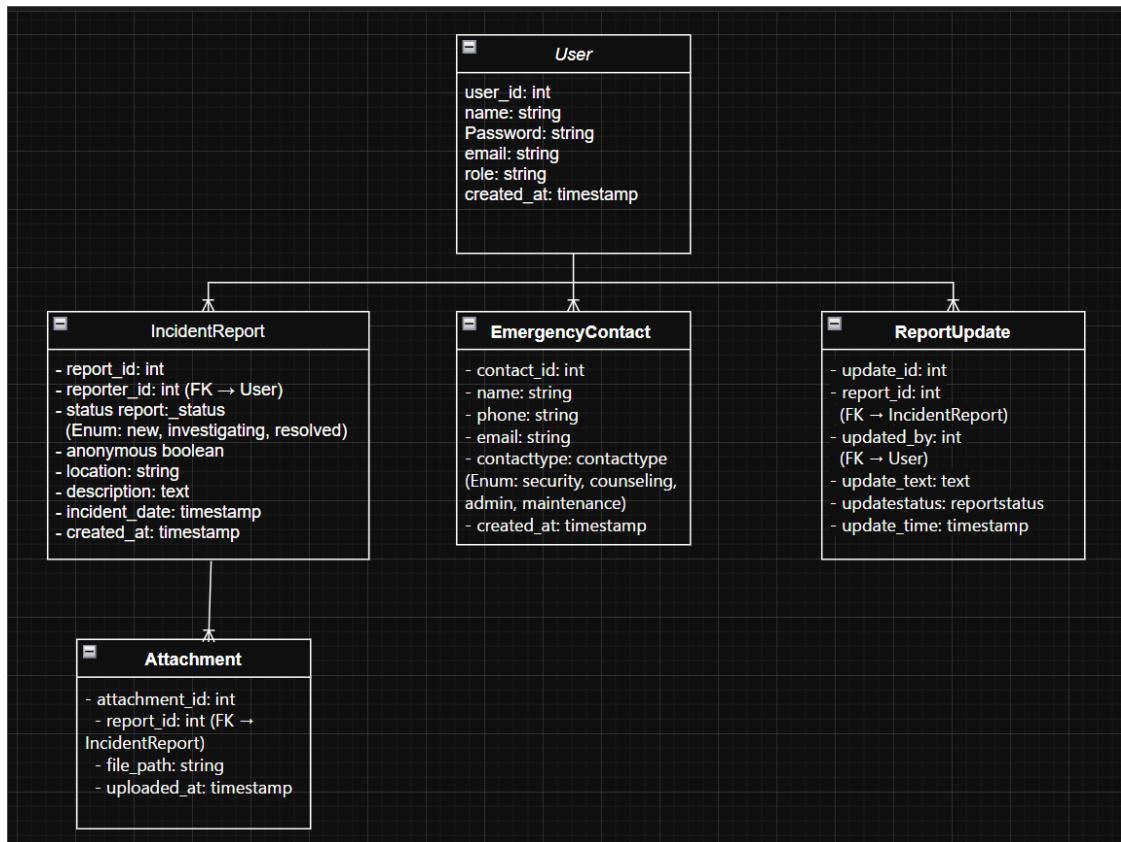


FIG: Class Diagram of CIRS