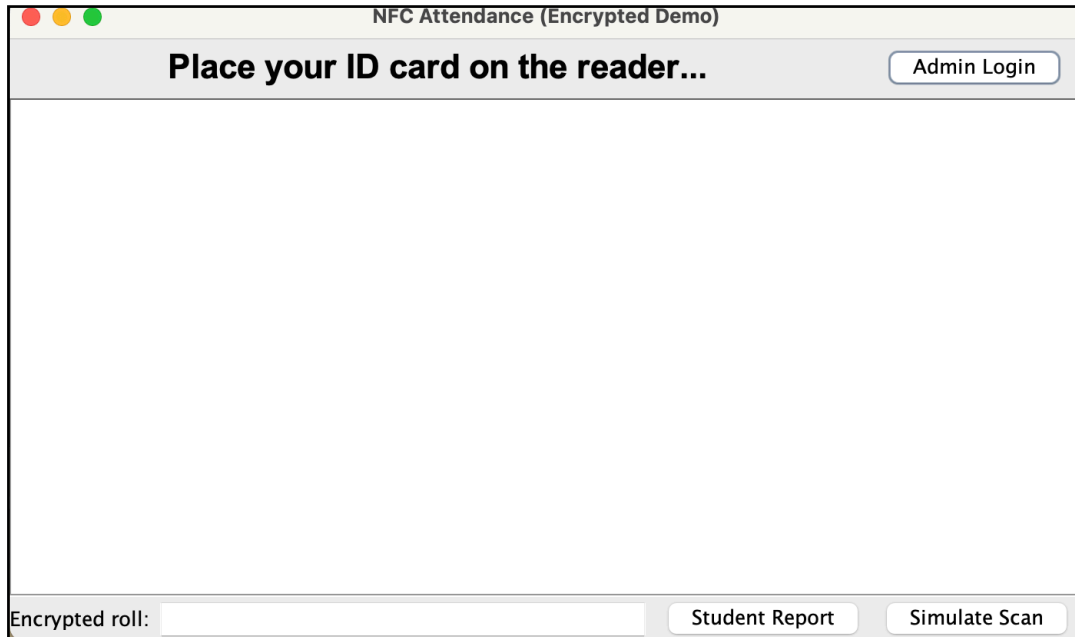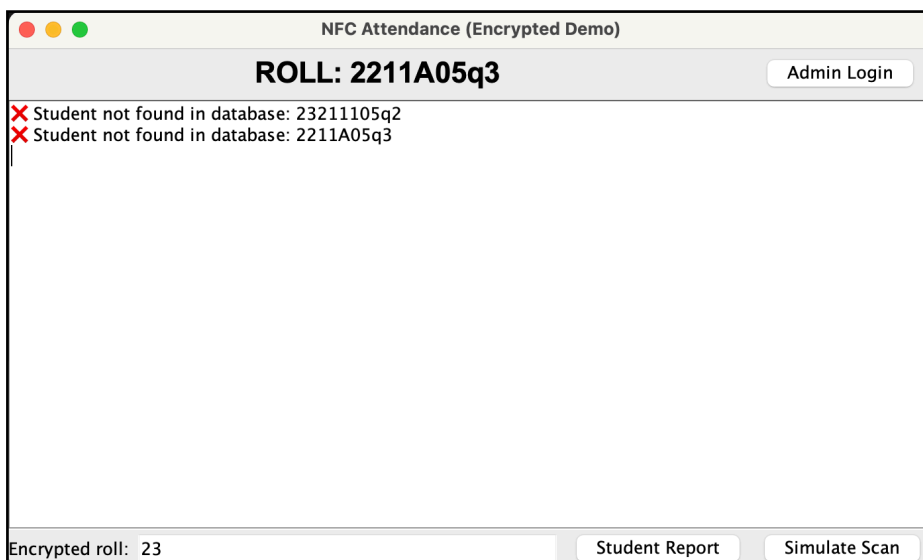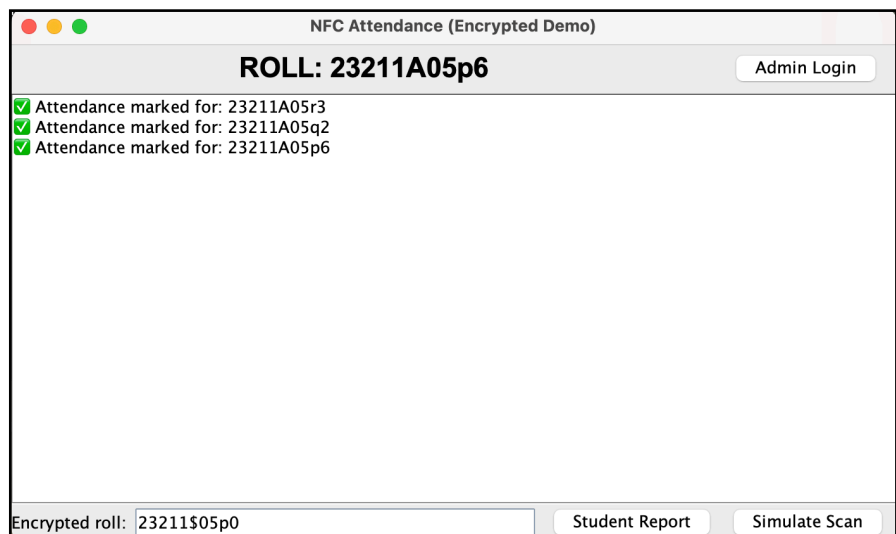**Opening Interface of the project :**

Description- The interface gives a NFC reader where the student places their ID card which has a NFC tag inbuilt . That NFC tag contains an encrypted roll number which is read by our NFC reader.

NFC Attendance (Encrypted Demo)

Place your ID card on the reader...

| Admin Login |

Encrypted roll: [   ]   Student Report   Simulate Scan

Post attendance Scanning from Students:

Description- After students placing their Id Cards on the reader . The interface shows a attendance marked text with there roll numbers displayed . If there are any error like student not present from our class we show a rejected marking with roll number .

Attendance Approved ->

NFC Attendance (Encrypted Demo)

ROLL: 23211A05p6

| Admin Login |

✅ Attendance marked for: 23211A05r3
✅ Attendance marked for: 23211A05q2
✅ Attendance marked for: 23211A05p6

Encrypted roll: 23211$05p0   Student Report   Simulate Scan

NFC Attendance (Encrypted Demo)

ROLL: 2211A05q3

| Admin Login |

❌ Student not found in database: 23211105q2
❌ Student not found in database: 2211A05q3

<- Attendance Rejected

Encrypted roll: 23   Student Report   Simulate Scan

Admin Panel :

we provide a <u>dedicated</u> admin panel which is used by the administrators to view the attendance report which consists of the roll number along with date time of marking attendance
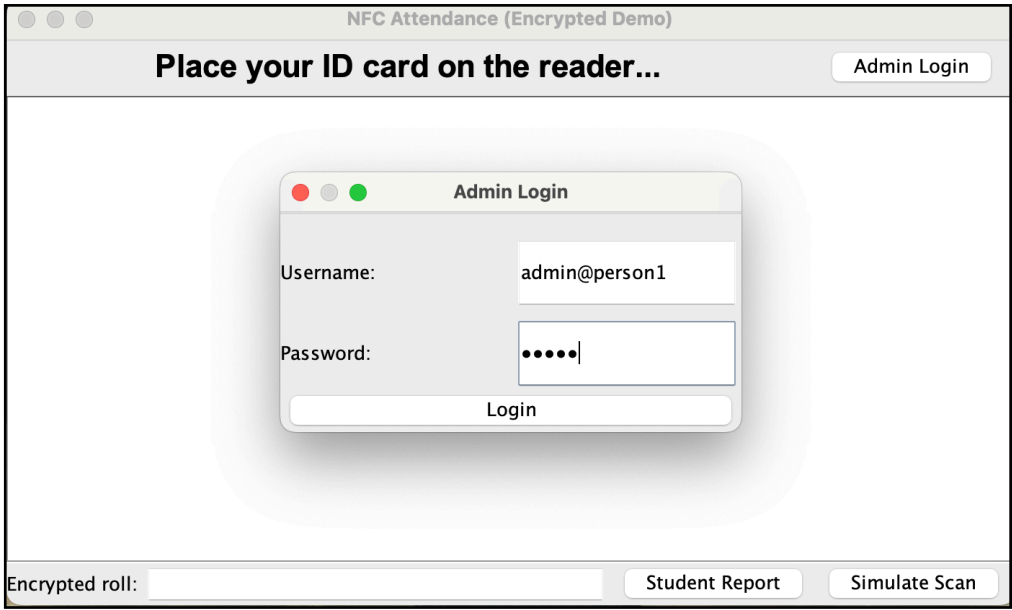
Admin can log in using predefined credentials .He has two dedicated windows one to monitor attendance batch report , Second one Admin can add or remove student records from the database.

<- Batch report

Managing Students Section ->
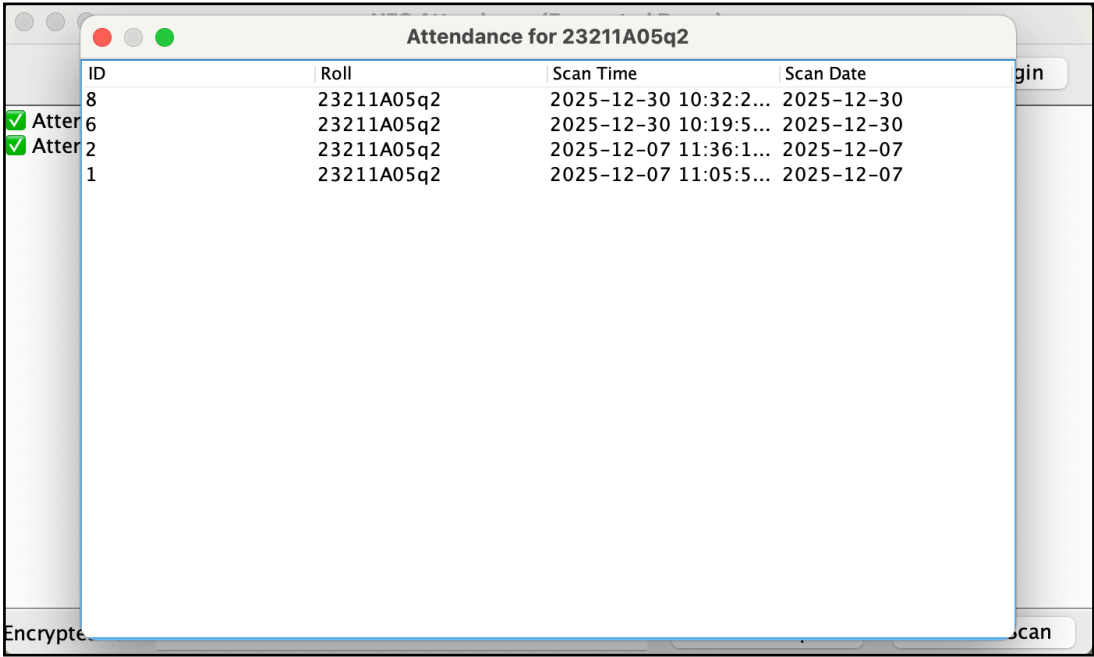
Students View of Attendance Report:

Unlike Admin can view consolidated attendance reports of all students.Students can view their individual attendance records

FUTURE SCOPE:
The system is designed to support future enhancements such as stronger encryption mechanisms, improved security controls, and optimized attendance validation logic, ensuring scalability and reliability for real-world use.