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9/16/24

CMPSC 487W

Project 1

High Level Requirements

1. The system must record each access attempt from the card reader, including the ID and timestamp of the attempt.
2. The system shall store these records in a database for 5 years.
3. The system must provide a Graphical User Interface (GUI) for an authorized person to:
 - a. View the access history.
 - b. Filter through the history based on ID, date, and time range.
4. The System shall not allow access to any unauthorized users.
5. The system must be able to be extended in the future to support multiple types of users such as:
 - a. Students
 - b. Faculty
 - c. Staff
 - d. Janitors
6. The system must allow for an authorized person to perform the following operations:
 - a. Activate
 - b. Suspend
 - c. Reactivate an ID