High-Level Requirements for SunLAB Access

1. The system must use a database and be developed with backend languages.
2. The system must provide an admin with a Graphical User Interface (GUI) to search and browse records.
3. The system must receive inputs (student ID number and timestamp) from a card reader each time a student accesses the SunLAB.
4. The system must store access records, associating student IDs with timestamps for each access event in a database.
5. The system must store access records for 5 years.
6. The system must allow admins to be able to browse and filter student access records by:

* Date
* Student ID
* Time Range

1. The system should support the addition of various user types, such as:

* Students
* Faculty members
* Staff members
* Janitors

1. The system must allow Admins to:

* Activate an ID
* Suspend an ID
* Reactivate an ID

1. The system should be built to allow easy future extensions, such as:

* Support for additional user types and roles.
* Additional operations or features for managing user accounts.