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**Requirements**

1. **Overview:**

A subsystem of a LMS to keep track of student information and a record of their grades. Its intended use is for both students to view their own information, and administrations, that can view, add, and edit each students’ information. All this must be accomplished with a GUI and some form of database system.

1. **Functional Requirements:**

The final product must meet these requirements:

* Login that accepts both user types but can distinguish them
* A user/student window that displays:
  + Name
  + Student ID
  + Courses
  + Exam Scores in each course
  + GPA calculation
* An administration window that can:
  + View a list of all students
  + View a student’s information
  + Add a student
  + Edit a student’s information
  + Delete a student

1. **Additional Options:**

These are optional to include in the program if possible, but are not required:

* Track attendance
* Completed semester years
* Coming semester curriculum
* Exam details
* Projects and other assignments
* Finals Exams (Weighted tests)

1. **Nonfunctional Requirement**

This deals with all requirements of the project not part of the actual final product. This includes things like documentation, diagrams, and testing. There should be at least one document per workphase.

* Requirement Phase
  + Requirement Elicitation
  + Use-Case Diagram
* Analysis
  + SPMP
    - Software Project Management Plan
* Design
  + Class diagrams
  + Sequence diagrams
  + Collaboration diagrams
  + Case tools/Programming Language
* Implementation
  + Source Files
  + Code Documentation
* Testing
  + Test cases