Requirements Document

Student Information Management System

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Overview

Requirements:

The clients need to build a student information management system. This system doesn’t need to include all features and functions as shown in the paragraph above. The software system only stores and retrieves students’ partial information in the current semester and other basic information including **student’s name**, **student’s ID**, **registered courses in the current semester**, **each exam’s score in one course**, **GPA calculation in the current semester**. Use the strategies studied in the lectures to accomplish the requirement artifacts. The goal system has two types of accessing modes, administrator and user. Student information management system is managed by an administrator. It is the job of the administrator to insert update and monitor the whole process. When a user log in to the system. He/she would only view details of the student. He/she can't perform any changes.

Actors:

* Users
  + View→users cannot perform any changes
* Administrators
  + Modify→ checks for existing data; Insert or update depending on if it exists
    - Add new data
    - Make changes to existing data
  + Monitor→ View data

Glossary

|  |  |
| --- | --- |
| **Term** | **Definition** |
| Graphical User Interface |  |
| Software |  |
| Client |  |
| User |  |
| Platform |  |

Functional Requirements

Use Cases

* Log in to system as an administrator
* Log in to system as a user
* Admin Modify student name
* Admin Modify student ID
* Admin Modify registered courses
* Admin Modify exam scores
* Admin Modify GPA calculation
* Admin/User Retrieve student name
* Admin/User Retrieve student ID
* Admin/User Retrieve registered courses
* Admin/User Retrieve exam scores
* Admin/User Retrieve GPA calculation

Non-Functional Requirements

Cost

Reliabilty

etc