User Requirements:

System Requirements:

Functional Requirements:

Non-Functional Requirements:

\*1. User Requirements:\*

1.1 Teacher Requirements:

- Teachers should have the ability to view and update academic records of students.

- Teachers should be able to search and filter student records based on various criteria such as name, class, or grade.

- The system should allow teachers to enter and update grades,

1.2 Student Requirements:

- Students should have access to their academic records, including grades, attendance, and class schedules.

- Students should be able to update their personal information, such as contact details and emergency contacts.

- Students should be able to view notifications and announcements from teachers and administrators.

1.3

\*2. System Requirements:\*

2.1 Security Requirements:

- The system should implement secure authentication mechanisms to protect user accounts.

- Access to student records should be restricted based on user roles and permissions.

- Sensitive data, such as passwords and personal information, should be encrypted to ensure privacy.

- The system should have mechanisms to prevent unauthorized access and ensure data integrity.

2.2 Performance Requirements:

- The system should be able to handle a large number of concurrent users without significant performance degradation.

- Response times for retrieving and updating student records should be fast and efficient.

- The system should have sufficient storage capacity to handle the growing volume of student data.

2.3 Compatibility Requirements:

- The system should be compatible with different web browsers to ensure a seamless user experience.

- The system should be responsive and accessible from various devices such as computers, tablets, and smartphones.

\*3. Functional Requirements:\*

3.1 User Login and Authentication:

- The system should provide a secure login mechanism for teachers and students.

3.2 Student Record Management:

- The system should store and manage student records, including academic information, personal details, and attendance records.

- Teachers should be able to update student records with grades, attendance, and disciplinary actions.

- Students should be able to view their academic records and update their personal information.

3.3 Search and Filtering:

- The system should provide search and filtering functionalities to allow teachers to find specific student records based on criteria such as name, class, or grade.