

Complete Functional Requirements

These are the functional requirements that have been implemented and are currently functional within the system. They have been successfully developed and tested to ensure that they work as intended.

Here's a brief explanation of each:

Admin can log in to the system: An Administrator can log in to the system using their credentials, granting them access to their respective accounts.

Admin can view the number of staff registered and parents registered: Admin can access information about the total number of parents and admin that have been registered in the system.

Admin can add and manage Staff: The system allows administrator to add and manage staff, ensuring that staff have the correct privileges to access the system.

Staff can log in to the system: Staff members can successfully log in to the system using their credentials, granting them access to their respective accounts.

Staff can view the number of students registered, classes, subjects, and results uploaded: Staff can access information about the total number of registered students, active classes, available subjects, and the number of results uploaded within the system.

Staff can create and manage classes: Staff members can create and oversee classes within the system, including assigning students to specific classes.

Staff can add and manage subjects: The system allows staff to define and manage subjects, ensuring that subjects are accurately represented within the platform.

Staff can create and manage subject combinations: Staff can define subject combinations, enabling students to select their preferred subjects effectively.

Staff can add and manage students: Staff members with the appropriate permissions can add new students to the system and manage student records.

Staff can enter results for students in their classes and subjects: Staff members, particularly teachers, can input and manage student results for various classes and subjects within the system.

Staff can enter and update scores/marks for students in their respective classes and subjects: Staff members, particularly teachers, can input and update student scores or marks for specific classes and subjects.

Parents can download students' transcripts for each term: Parents have the capability to download and access their child's academic transcripts, providing a comprehensive overview of their academic performance for each term.

Staff can recover their passwords through a secure process: A secure password recovery mechanism is in place, allowing staff members to reset their passwords in case they forget them.

Staff can view their profile information: Staff members can access and view their profile information, allowing them to verify and update their personal details.

Parents can view the results of their children: Parents can access and view their child's academic results for each subject, providing them with a detailed overview of their child's performance.

Parents can sign up to the system using their child's name and their own password: Parents will be given an interface to sign up for the system using their child's full name and their own passwords.

Parents can access their children's results using student's name and password: This feature allows parents to access results using their child's(student's) full name and their password.

Staff can add students and results using a CSV file: Staff can add multiple students to the system using a single csv file and be able to add results too using a single csv file. The csv comes with the system to maintain the consistency of the format of data uploaded the same throughout the entire system.

Non-Functional Requirements

Security

Every user has his own account and only authorized users can access the system with username and password. The passwords are encrypted using a PHP function sha1().

Performance

Easy tracking of records and updating can be done.

Availability

The system is available to users anytime, anywhere, just need a PC and Internet Connection. Also, the system work in multiple web browsers like (Chrome, Mozilla, Opera, and Internet Explorer).

User Friendly

The system has a friendly user interface and the system very interactive