Glossary

Version <1.0>

Revision History

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Glossary

# Introduction

# This glossary document provides definitions and information about various terms used in the design and implementation of a client-server application for school or high school administration. The application is intended to be used by teachers, students, parents, and an administrator for various operations such as viewing timetables, school situations, assigning grades, finalizing student situations, and managing accounts, classes, and students. The document includes definitions and format/ validation rules for terms such as client, server, teacher, student, parent, administrator, class, timetable, school situation, grades, CRUD, end of semester, and email. The aim of this document is to provide a clear understanding of the terminology used in the application and ensure consistency in communication among stakeholders involved in the project.

# Glossary

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| **Term** | **Definition and Information** | **Format + Validation Rules** |
| Client | A software application that sends requests to a server application to perform specific tasks or access resources over a network connection. Client applications can be installed on computers, mobile devices or accessed through a web browser. | Any format is acceptable. |
| Server | A computer program or device that provides services to other client programs or devices over a network. Server applications can be used to store and manage data, perform calculations, or provide access to resources such as files or databases. | Any format is acceptable. |
| Teacher | A person who provides instruction and guidance to students in an educational setting. In general, a teacher may have a username, password, name, email address, and other attributes that help to identify and manage their account. | Username: alphanumeric, no spaces; password: any string of characters; name: any string of characters; email address: valid email format. |
| Student | A person who is enrolled in an educational institution and is receiving instruction from teachers. Generally, a student may have a username, password, name, email address, and other attributes that help to identify and manage their account. | Username: alphanumeric, no spaces; password: any string of characters; name: any string of characters; email address: valid email format. |
| Parent | A person who has a child enrolled in an educational institution. Generally, a parent may have a username, password, name, email address, and other attributes that help to identify and manage their account. | Username: alphanumeric, no spaces; password: any string of characters; name: any string of characters; email address: valid email format. |
| Administrator | A person who is responsible for managing the system and performing administrative tasks, such as creating and managing accounts, assigning teachers and students to classes, and closing students’ situations at the end of a semester. Generally, an administrator may have a username, password, name, email address, and other attributes that help to identify and manage their account. | Username: alphanumeric, no spaces; password: any string of characters; name: any string of characters; email address: valid email format. |
| Class | A group of students who are taught by a teacher in a specific subject. Classes may have a name, a code, and other attributes that help to identify and manage them. | Class name: any string of characters; class code: alphanumeric, no spaces. |
| Timetable | A schedule of classes and events that shows when and where they will take place. A timetable may include the names of the classes, the times they will take place, and the location where they will be held. | Any format is acceptable. |
| School situation | A student's academic record, which may include their grades, attendance, and other information about their performance. A school situation may be used to track a student's progress over time and to help teachers and administrators identify areas where they may need additional support. | Any format is acceptable. |
| Grades | A measure of a student's performance in a particular subject or class. Grades may be given in the form of letters, numbers, or other symbols and are typically used to evaluate a student's level of mastery of the subject matter. | Any format is acceptable. |
| CRUD | An acronym that stands for Create, Read, Update, and Delete, which are the four basic functions of persistent storage in a database. CRUD operations are commonly used in applications that need to store and manage data. | Any format is acceptable. |
| End of semester | The end of a period oftime in a school or academic year, typically marked by the completion of classes, exams, and other assessments. At the end of a semester, student grades and academic records are typically finalized, and administrative tasks are completed to prepare for the start of a new semester. | Any format is acceptable. |
| Email | A method of sending and receiving electronic messages over a network. Email is commonly used for communication in business and personal settings and can be accessed through a variety of devices and applications. | Email address: valid email format. |