FCSMS

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Introduction…

Statement of The Proposed System

The main purpose using computerized system for the school Fauji Convent School, is to avoid manual problems and also documentation storage problem we can't maintain long period data that's why we used computerized system to overcome all problem related to school's data storing and other areas.

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Purpose..

- **What was the need for the development of such a project which is already running on the internet in some or the other fashion??**
- **What was the thought that lead to the development of the project??**

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Purpose..

- **Dedicated to Digital India**

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Problems With The Existing System….

- The main problem is that even today many of our schools have not been able to use these digital facilities even in the time of digital India. We went to a school of a relative in this project and took the details of the entire work there, and then we got the project Started.
- Keeping the data in school properly and keeping it safe for a long time, this project is being carried forward to make many school related tasks accurately.

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Problems With The Existing System….

- The main purpose of this project is that we can provide better facilities to this school so that all the work in school is done properly and quickly. Our move is to provide basic facilities to the school while participating in Digital India.

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Objective And Description

- FCSMS (FAUJI CONVENT SCHOOL MANAGEMENT SYSTEM) is an application based project that maintains many of the activities related to a school.
- To store student details and teacher details.
- To store students and teachers attendance.
- To manage students fees and teachers salary
- To store exams & results details.
- This application reduces the time & cost and provides the facility to retrieve student all information according to requirement.

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Project Uses…

- C# as a FRONT END

(which is the interface between the user and the data access layer)

- SQL Server 2008 R2 as a BACK END

(which is the data access layer i.e. the database)

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Technology Used…

- C# is designed to be a simple, modern, general-purpose, object-oriented programming language, borrowing key concepts from several other languages, most notably Java.
- C# could theoretically be compiled to machine code, but in real life, it's always used in combination with the .NET framework. Therefore, applications written in C#, requires the .NET framework to be installed on the computer running the application. While the .NET framework makes it possible to use a wide range of languages, C# is sometimes referred to as THE .NET language, perhaps because it was designed together with the framework.

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Technology Used(Contd)…

SQL Server 2008 R2

- **Microsoft SQL Server** is a relational database management system developed by Microsoft. As a database server, it is a software product with the primary function of storing and retrieving data as requested by other software applications—which may run either on the same computer or on another computer across a network (including the Internet).
- Microsoft markets at least a dozen different editions of Microsoft SQL Server, aimed at different audiences and for workloads ranging from small single-machine applications to large Internet-facing applications with many concurrent users.

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Software Specification…

Software	Specification
Operating System	Windows 7
Tools	Microsoft Visual Studio 2010
Technology	C#
C#	Programming Language
Documentation Tools	MS WORD 2007

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Functional Requirements

- **Hardware requirements**
    - Processor
    - Ram
    - Hard disk
- **Software requirements**
    - Operating system(Windows)
    - Database Server SQL Server 2008 R2
    - Language(C#)

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Functional Requirements

- School management system shall be Application.
- Admin shall login and register new teachers to use system.
- Admin shall add new student, teacher, and class and modify them. Admin shall update school data.
- Admin shall access all the data about student related.
- Admin shall manage the school activity.

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Non-Functional Requirements

- The system should be easy to use..
- The system should response at the time
- System should provide specific information to specific user.
- The system should not fail.
- Right information is available to right student and teacher at right time.

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Modules Used

- Login Module
- Admin Home Module
- Teacher Home Module
- Student Admission Module
- Student View Module
- Teacher Joining Module
- Teacher View Module
- Student Attendance Module
- Student Attendance View Module
- Teacher Attendance Module
- Teacher Attendance View Module
- Students Fees Module
- Teacher Salary Module
- Forgot Password Module
- Teacher Registration Module
- Change Password Module

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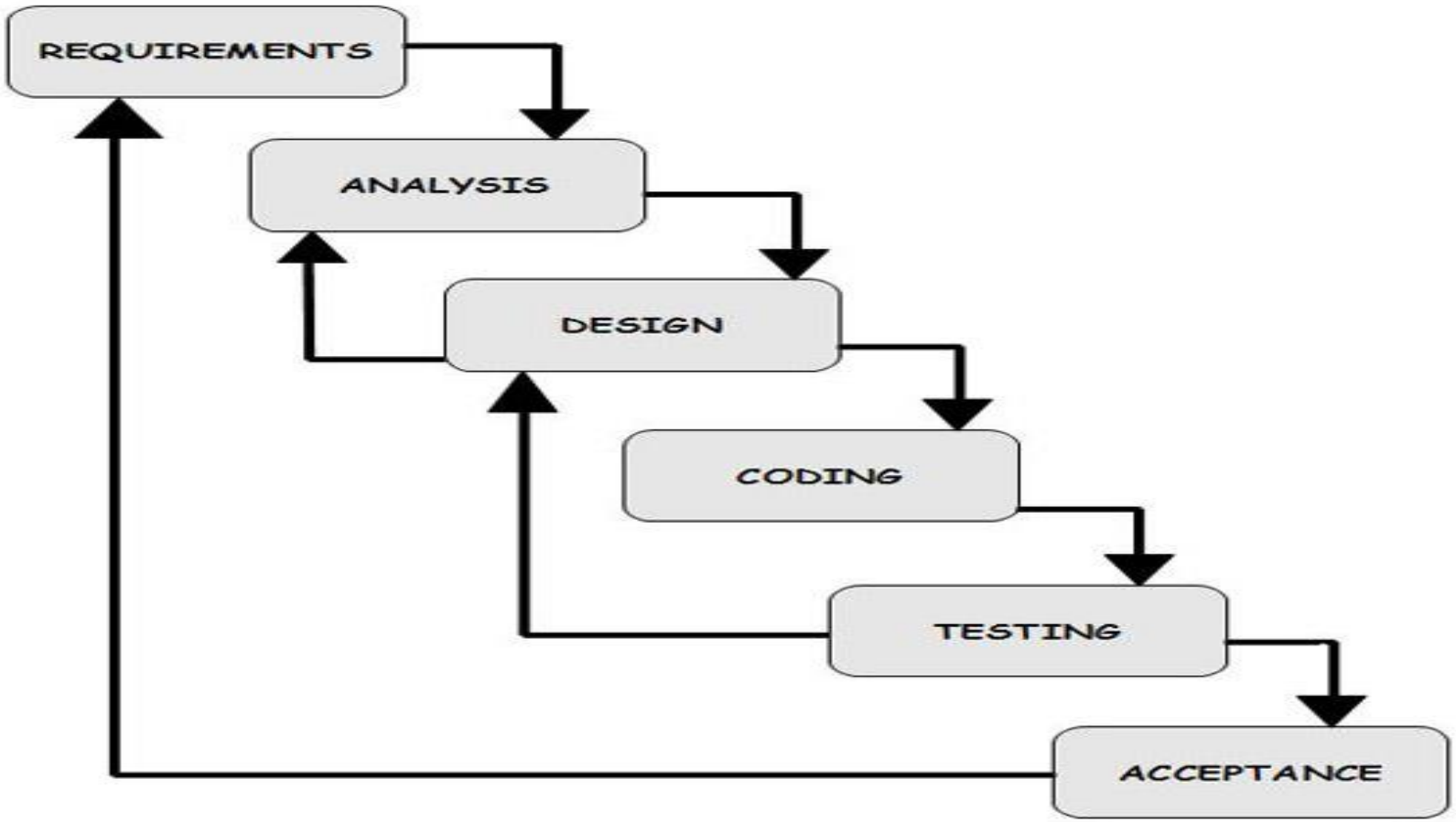
LINEAR SEQUENTIAL MODEL (ITERATIVE WATER FALL MODEL)



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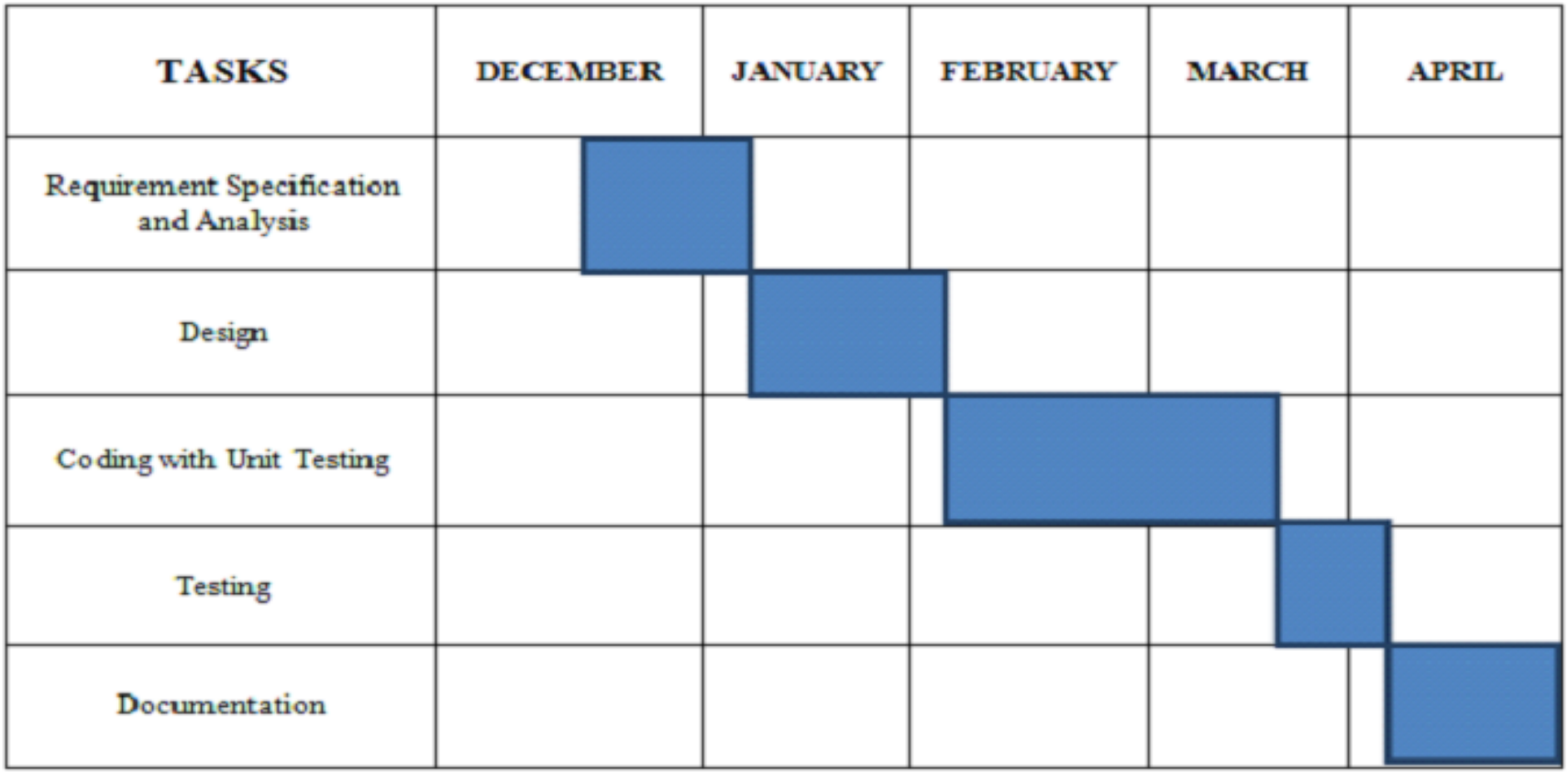
Gantt Chart



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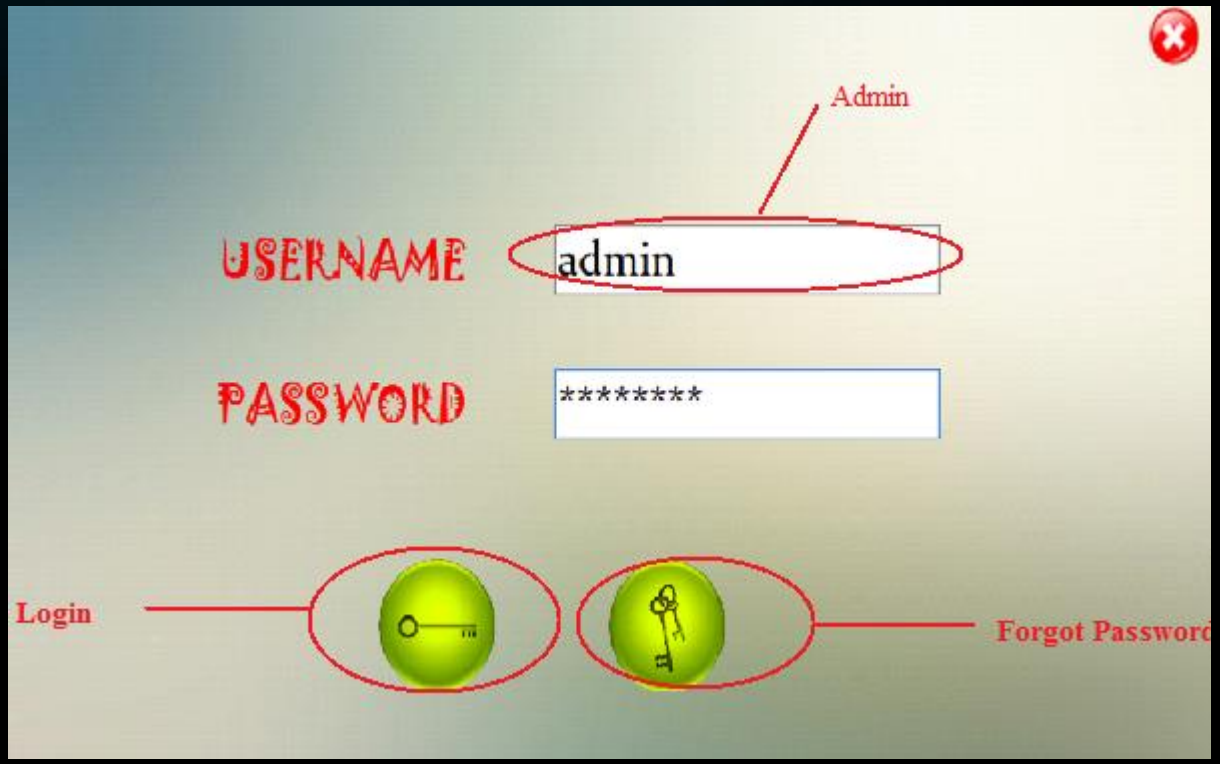

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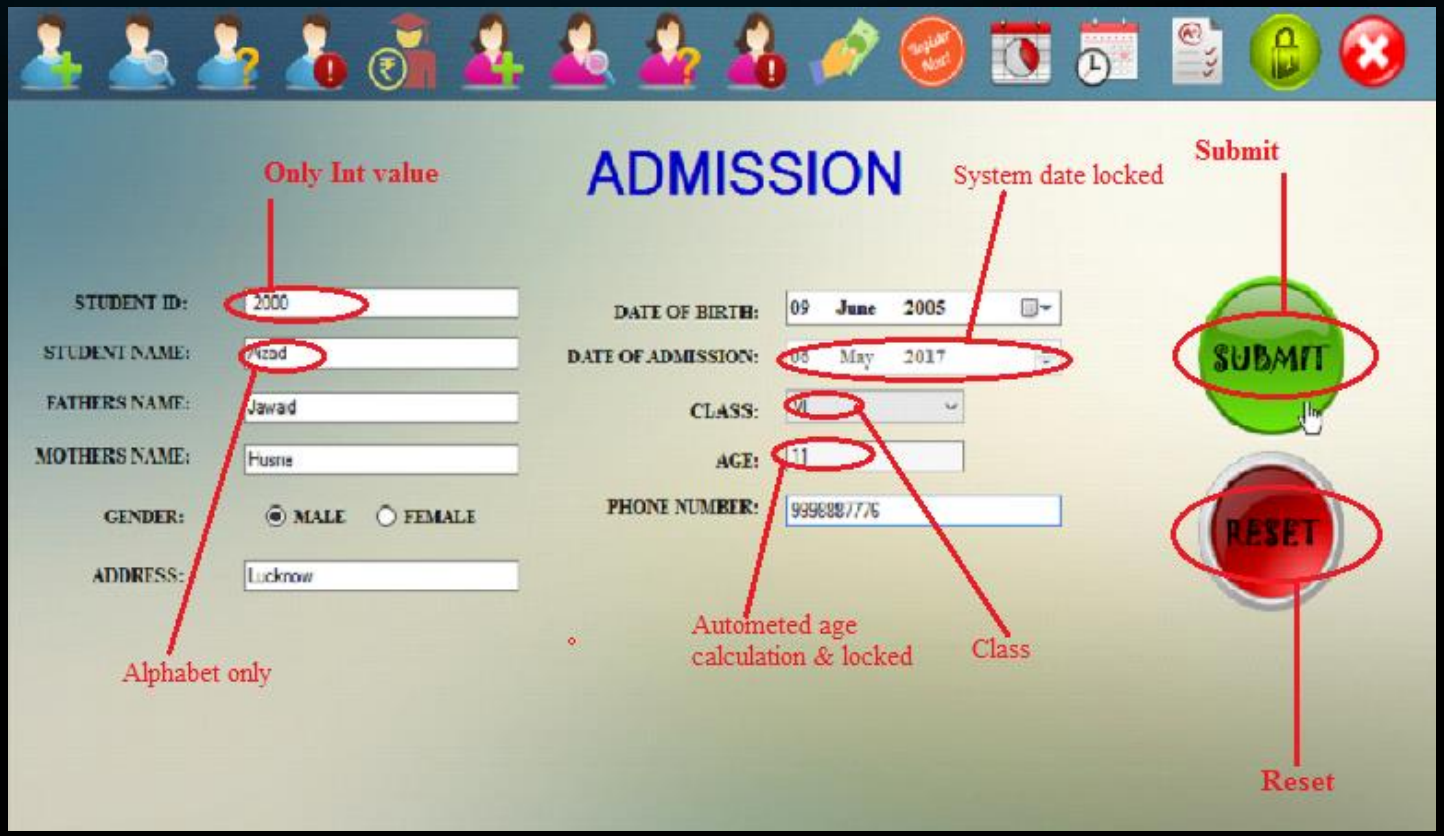

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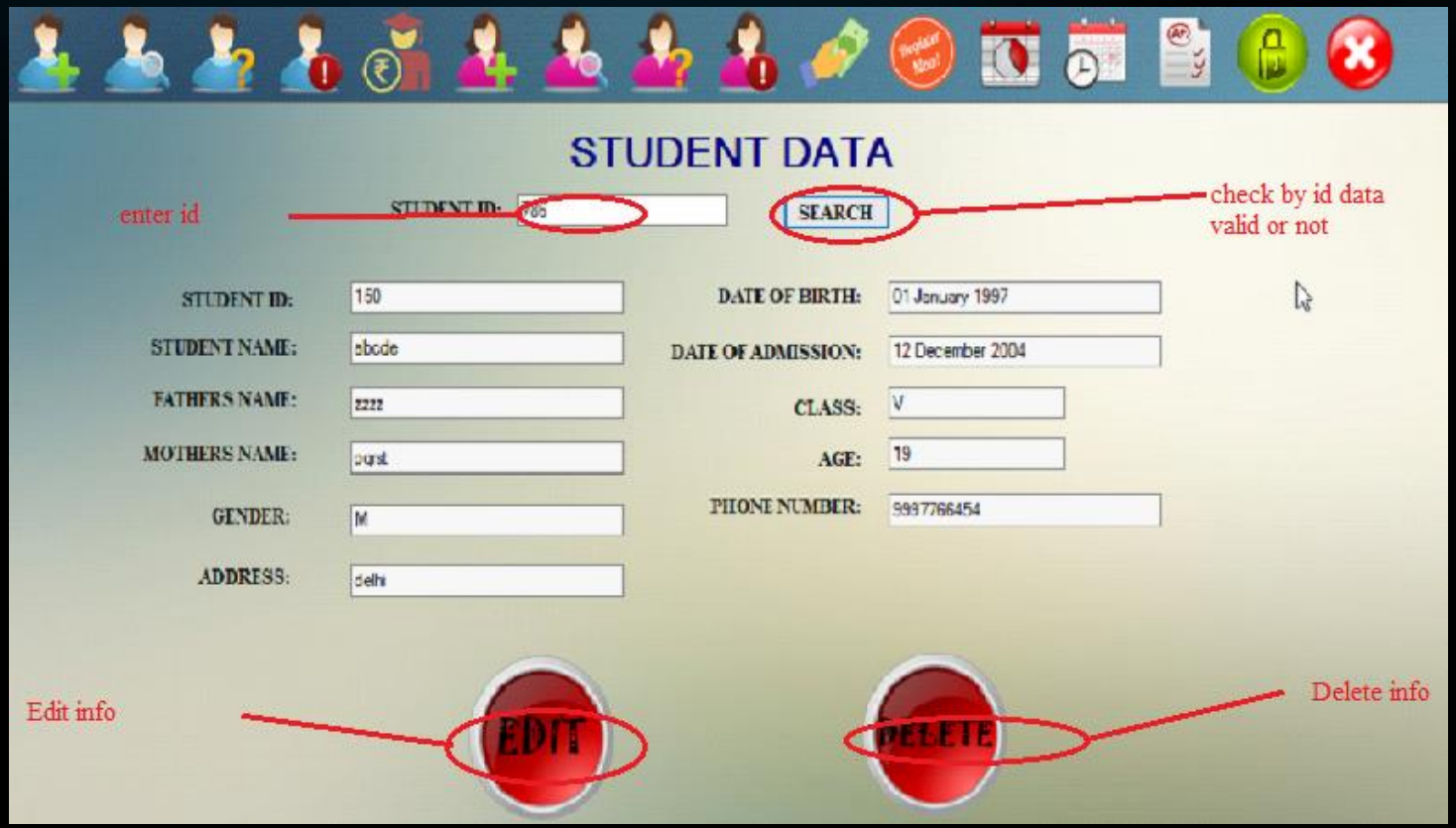

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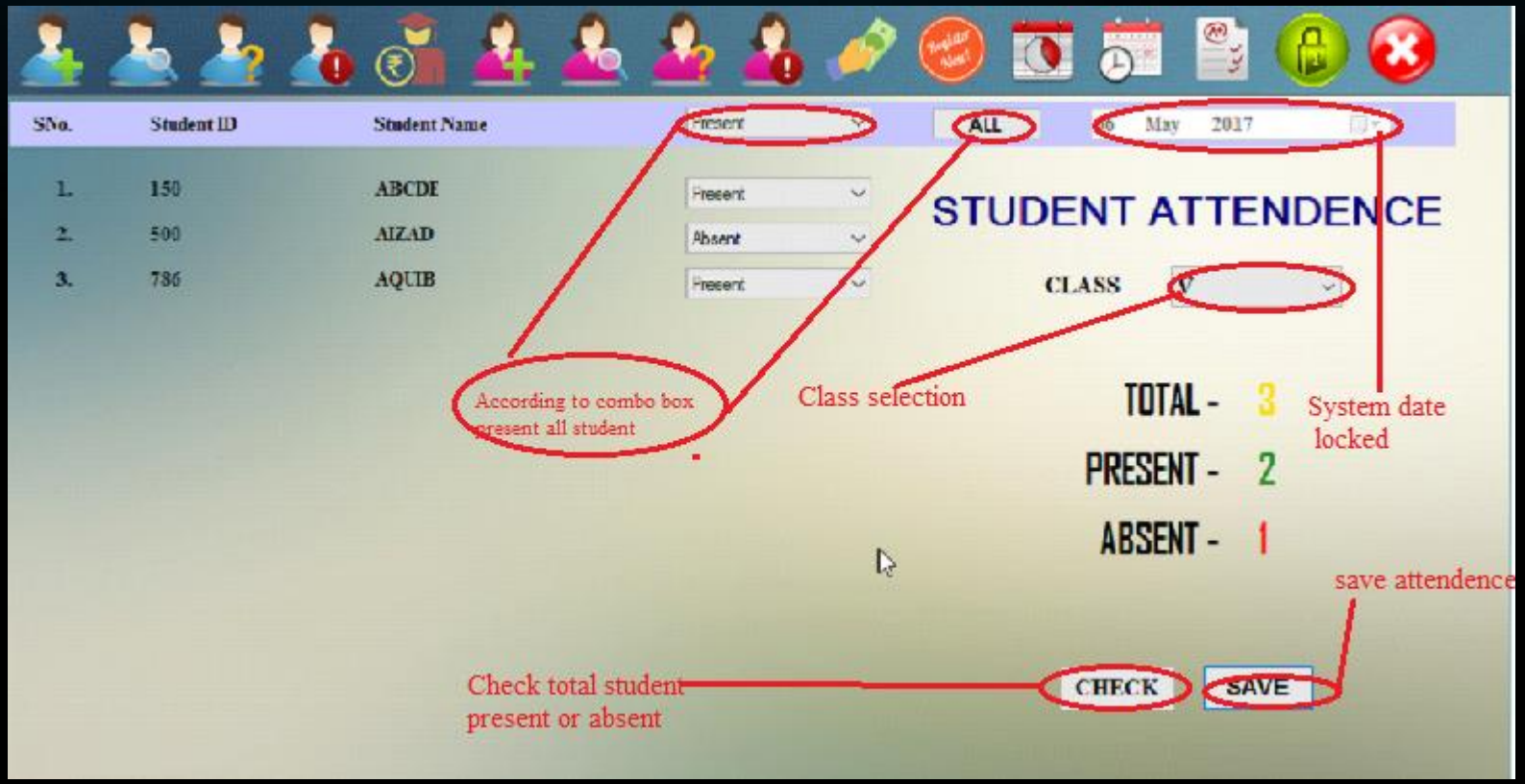

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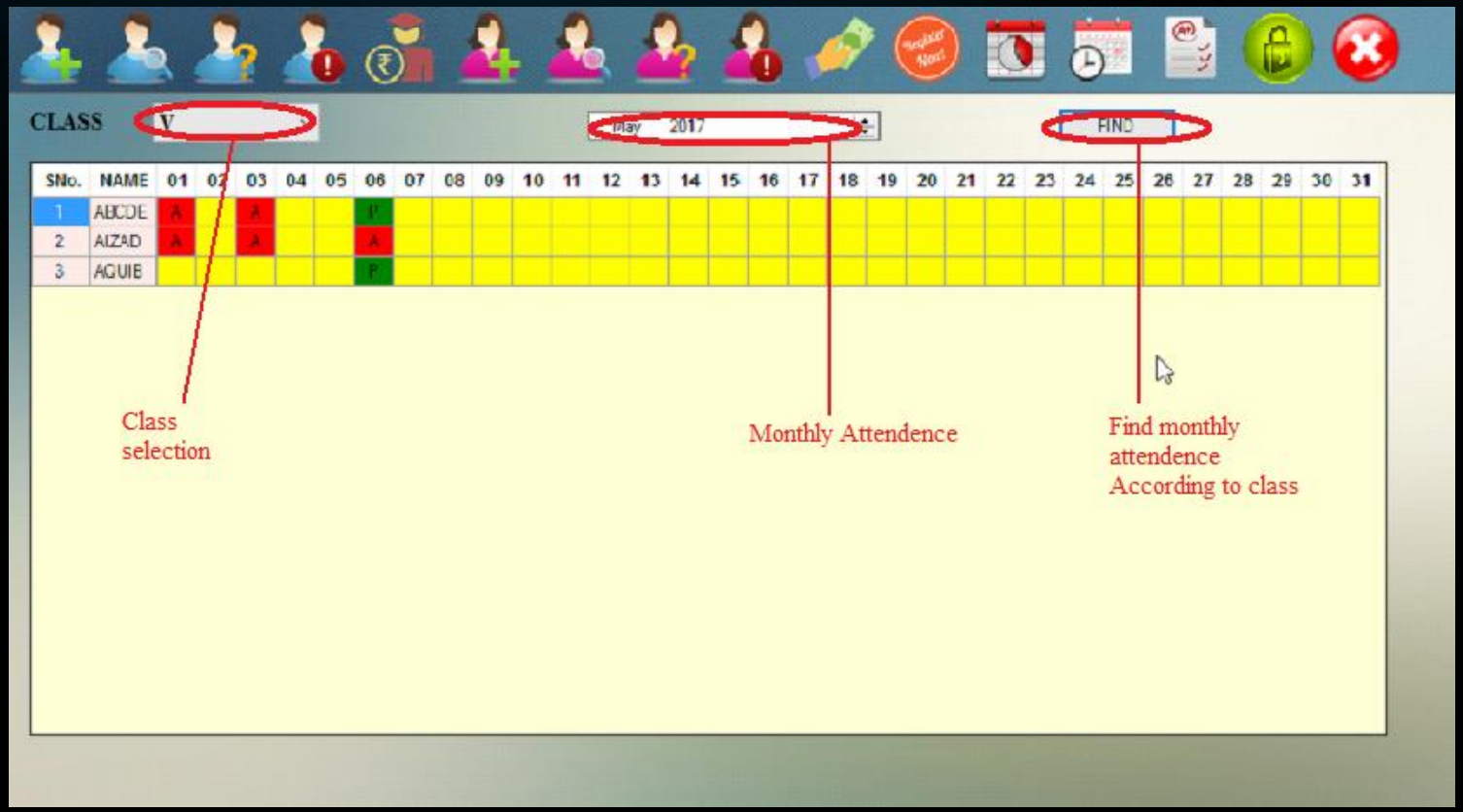

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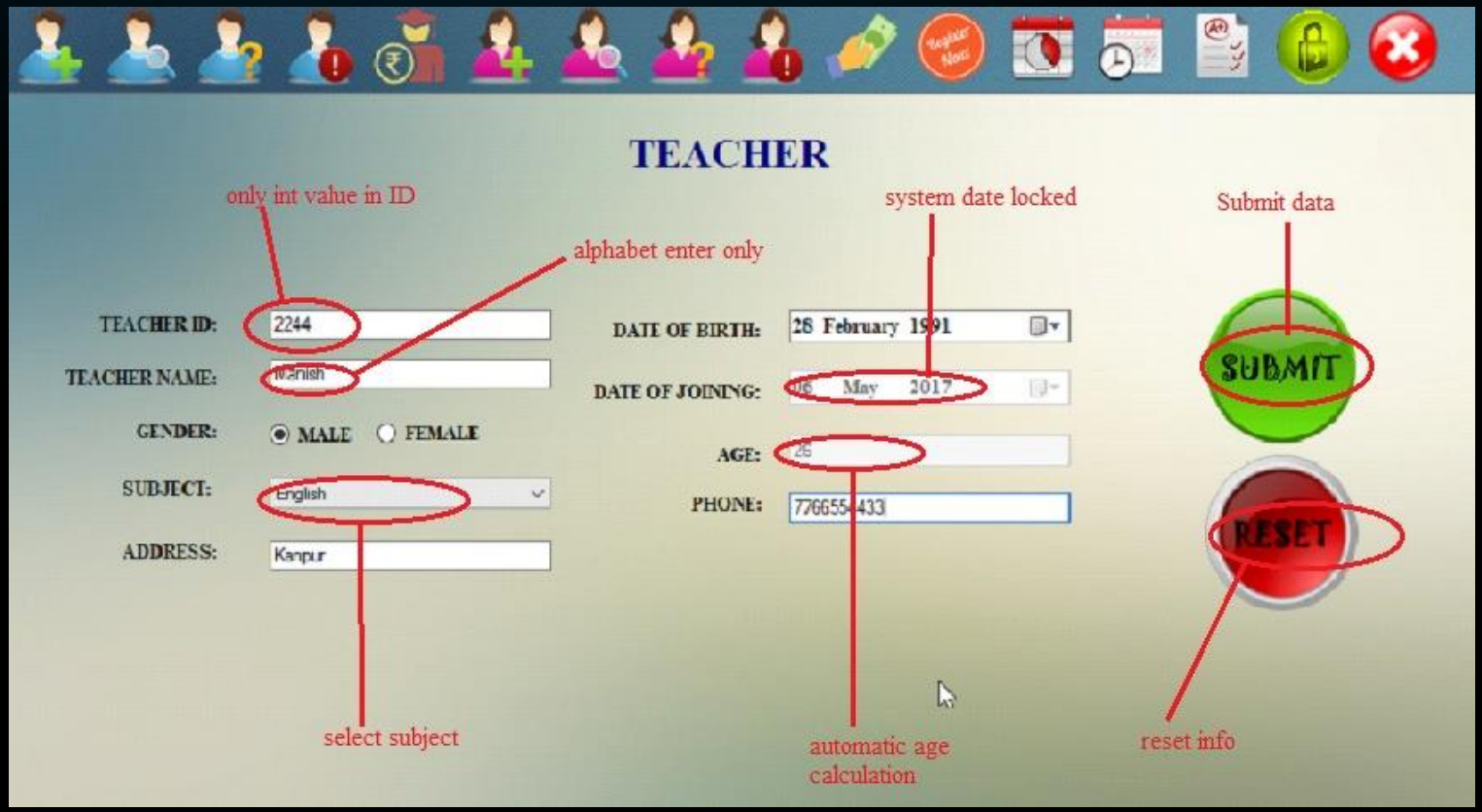

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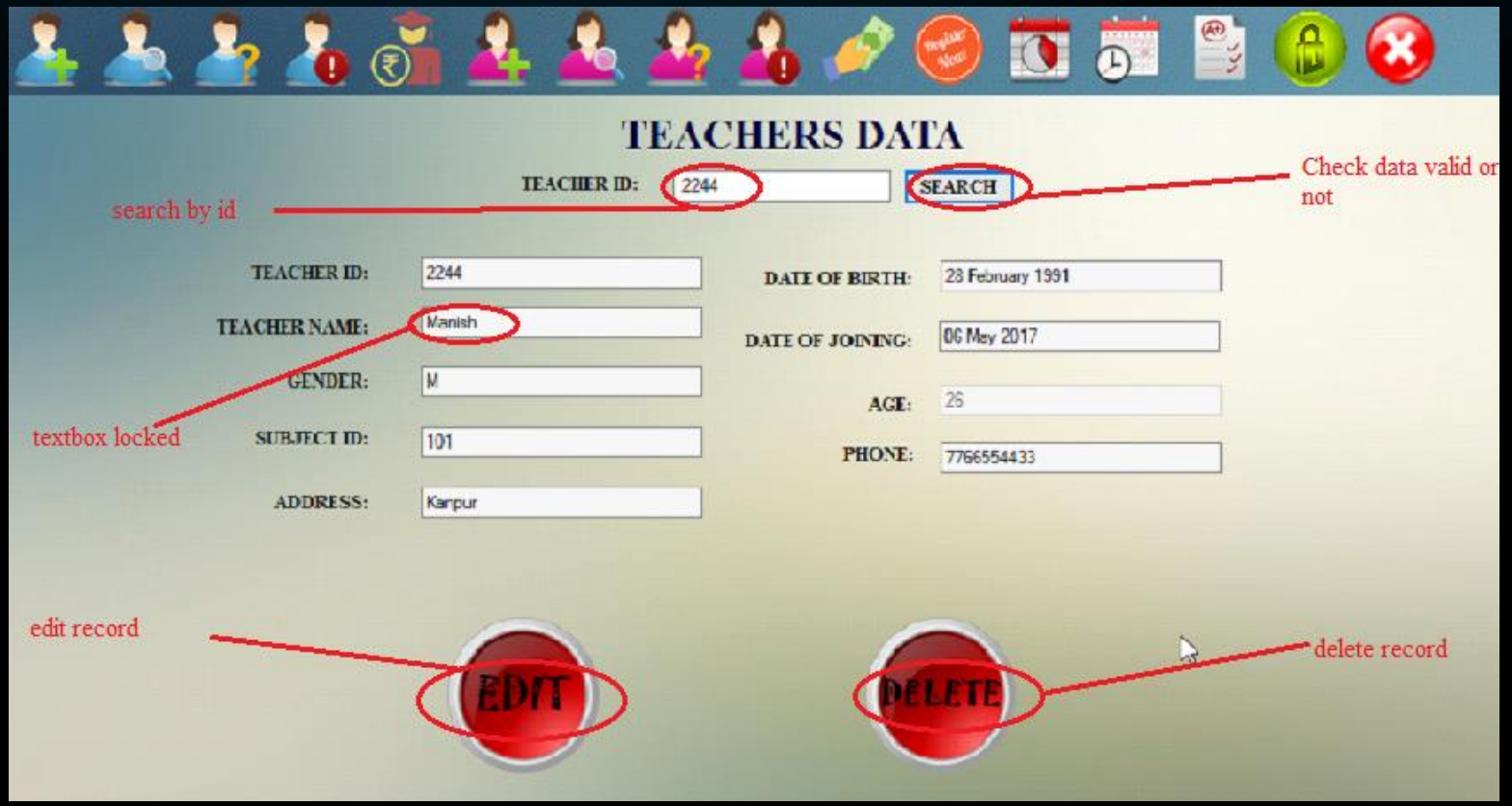

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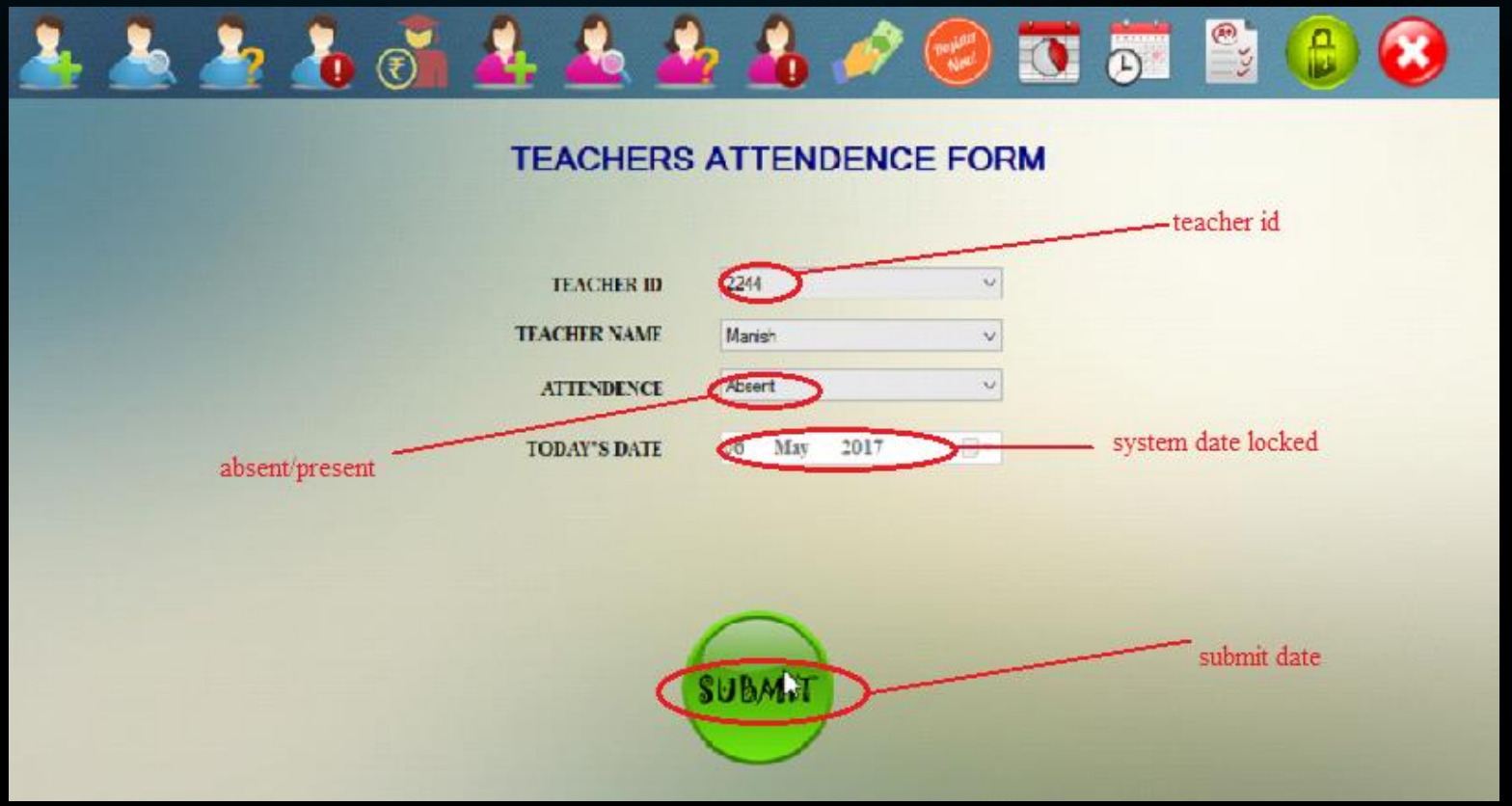

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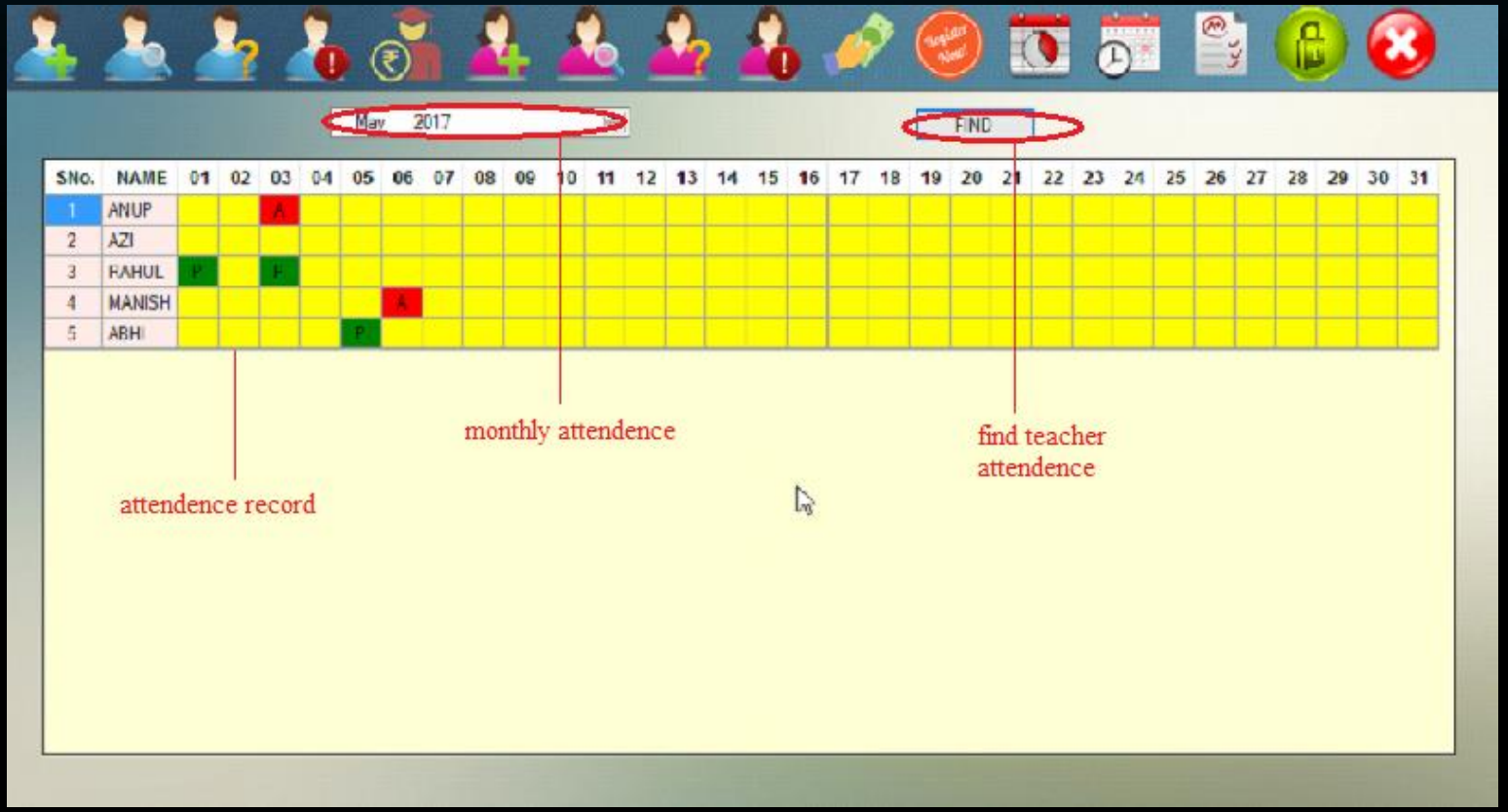

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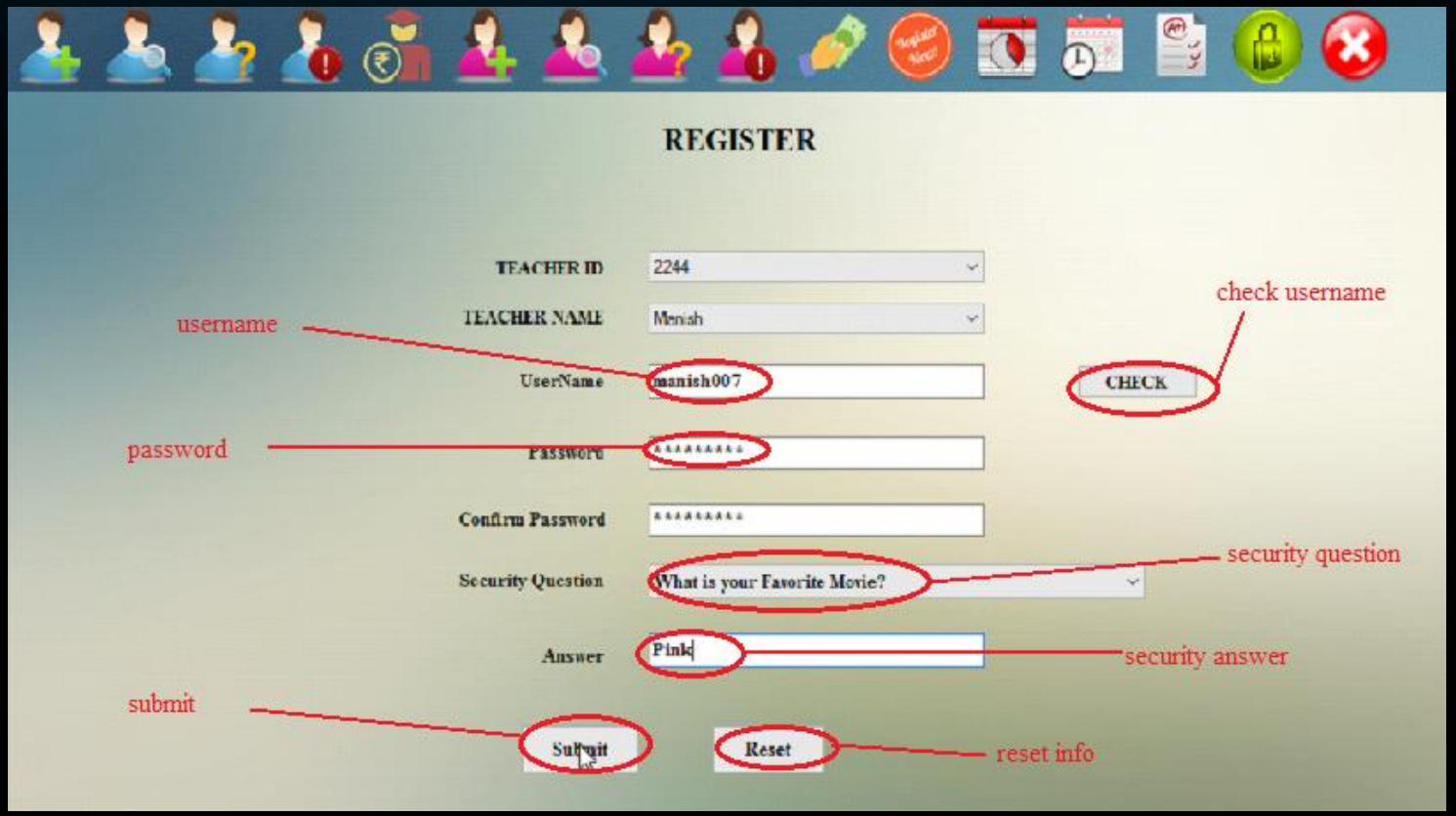

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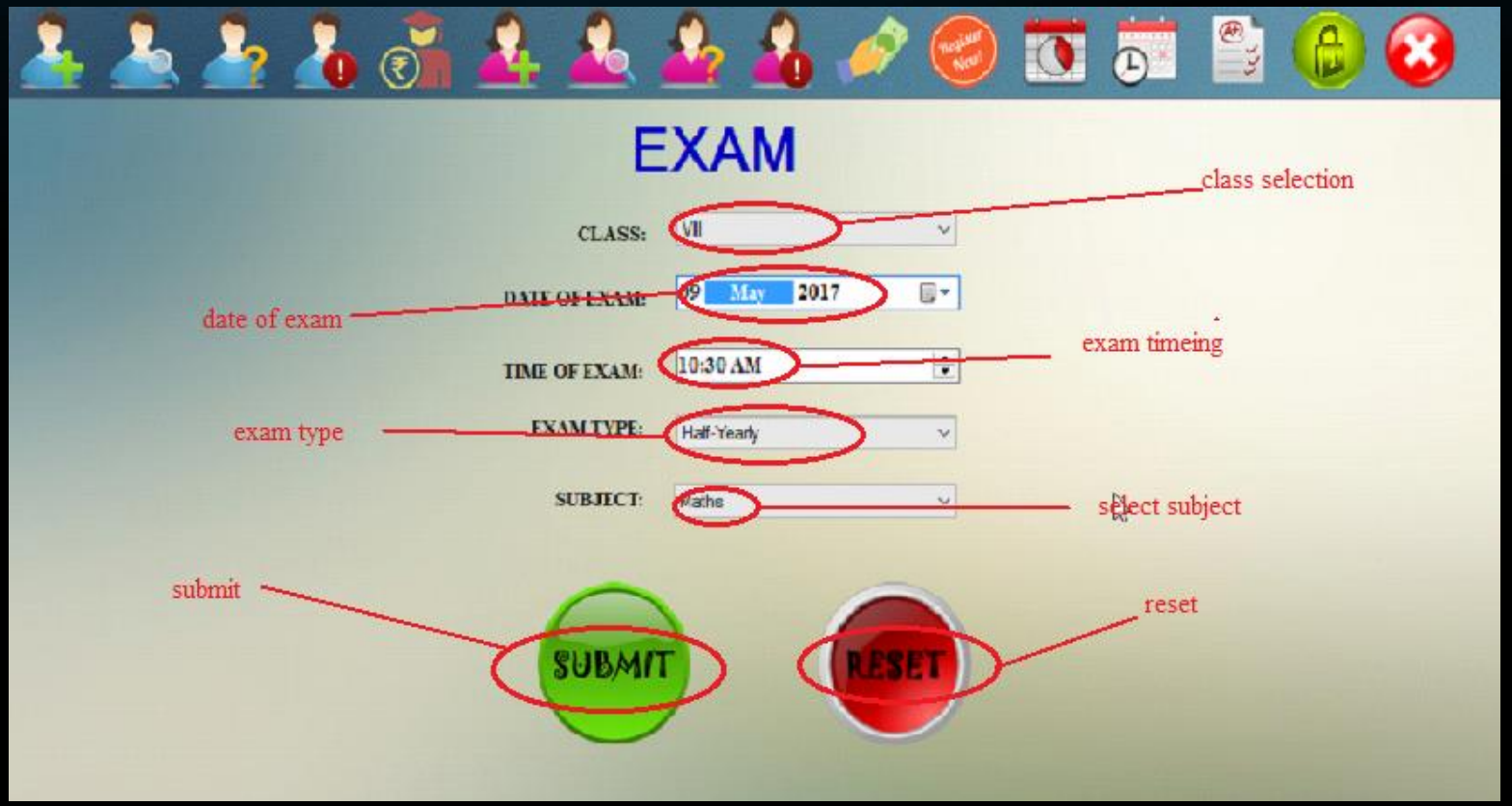

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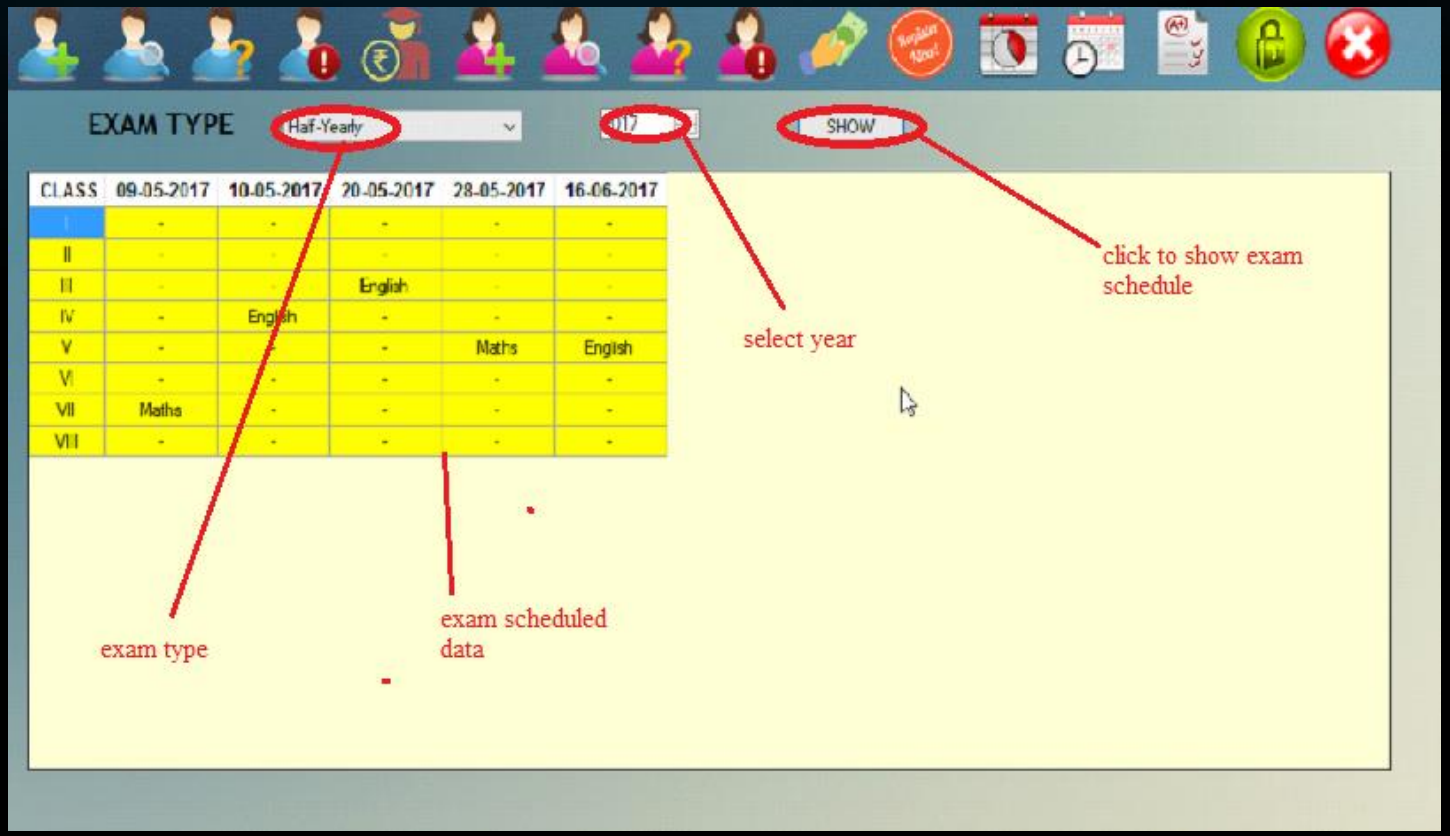

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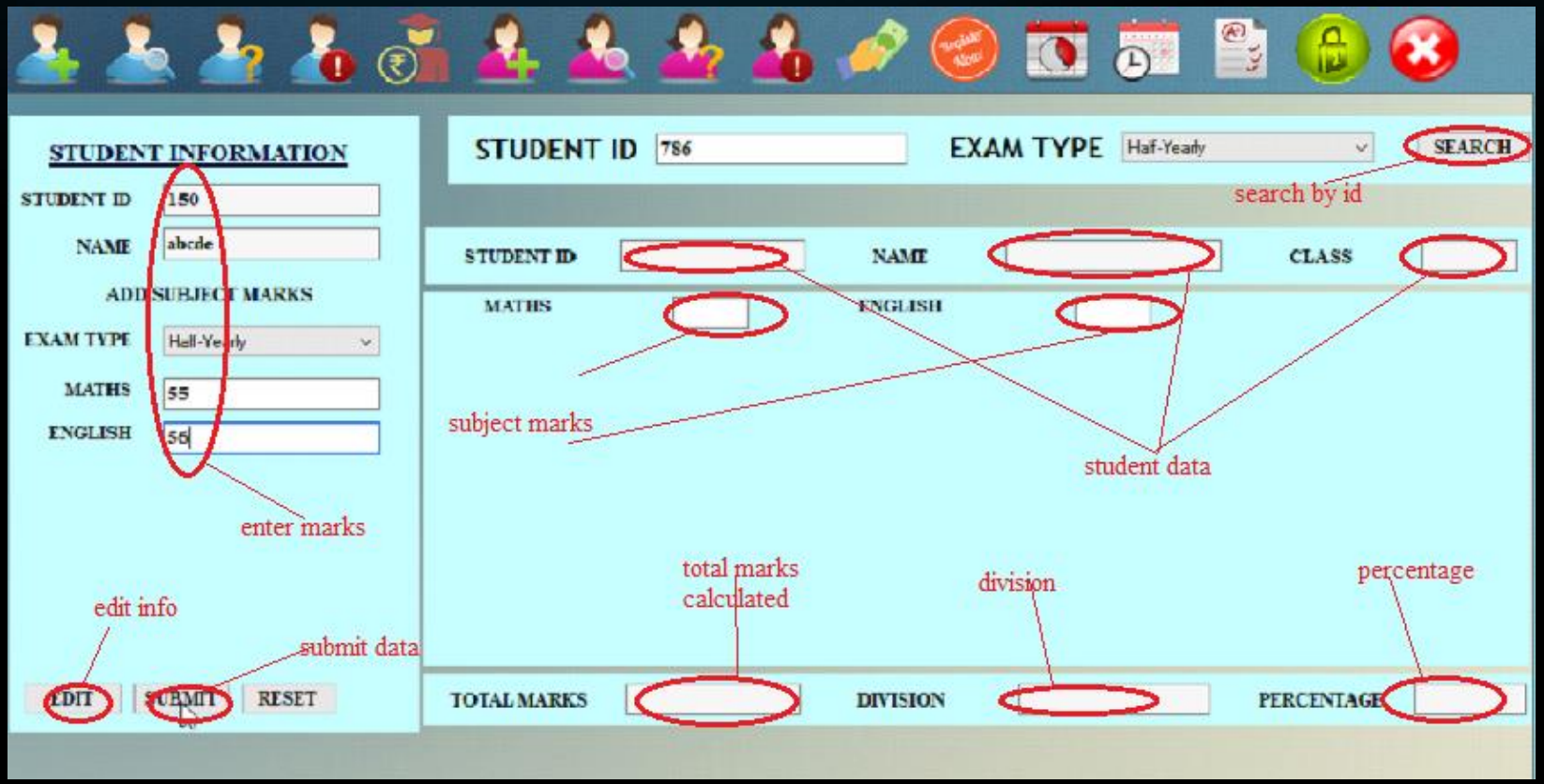

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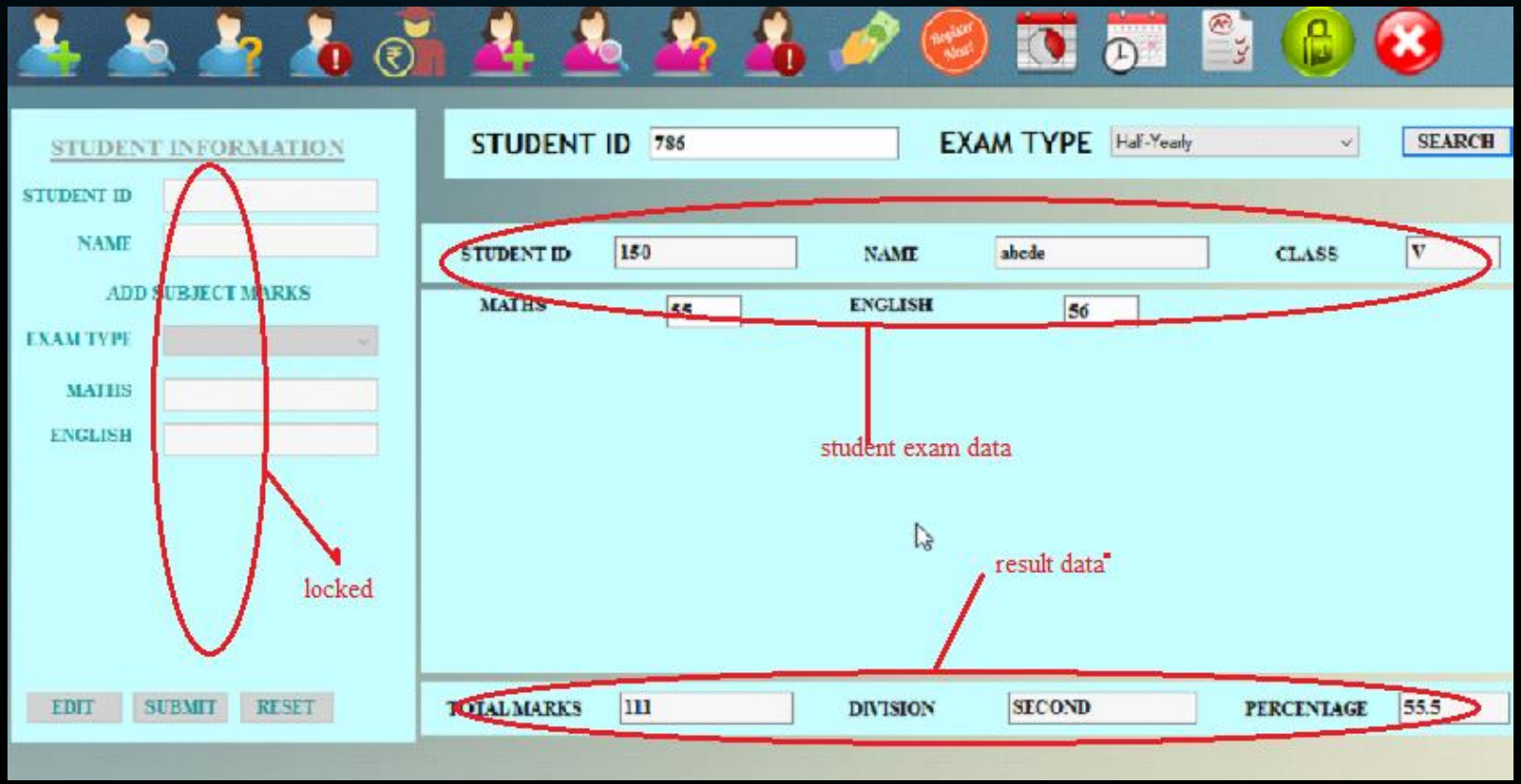

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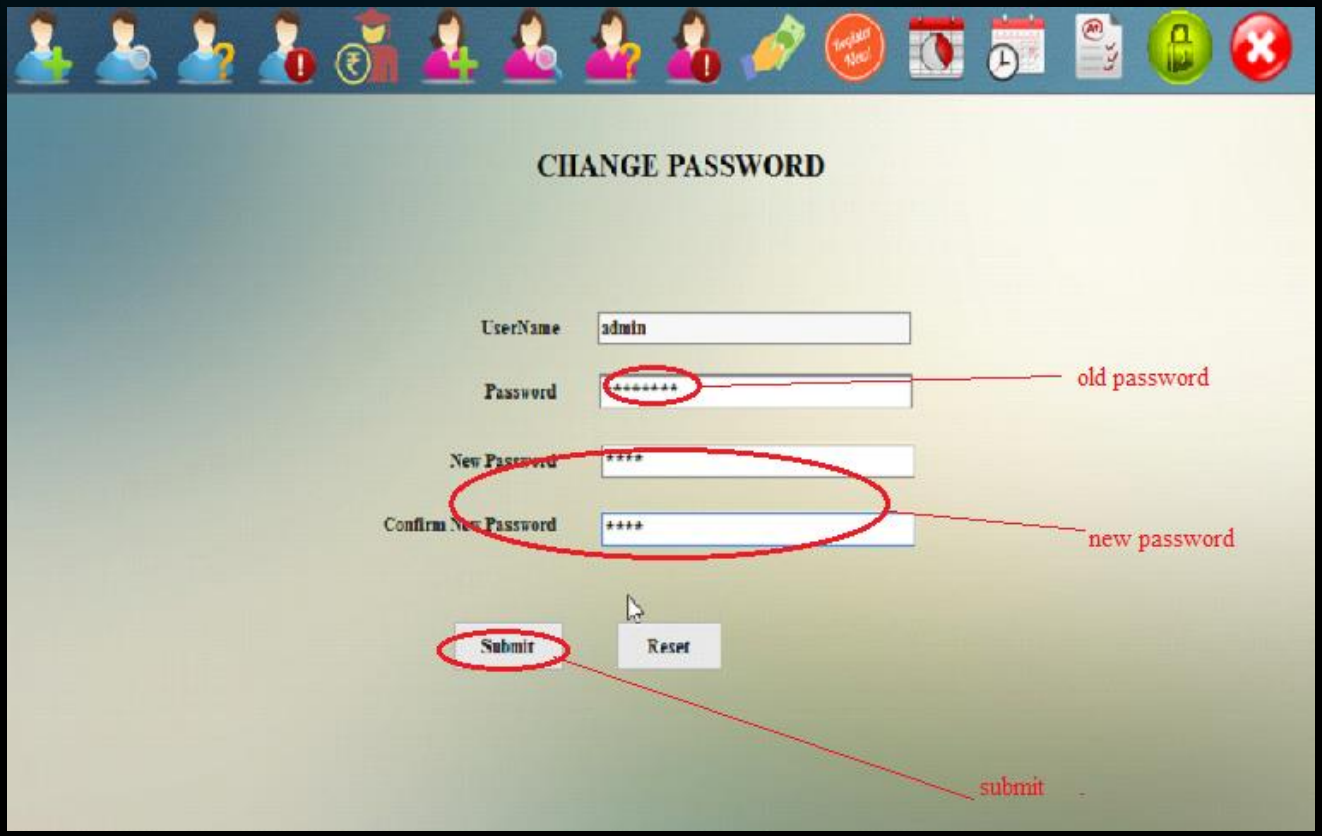

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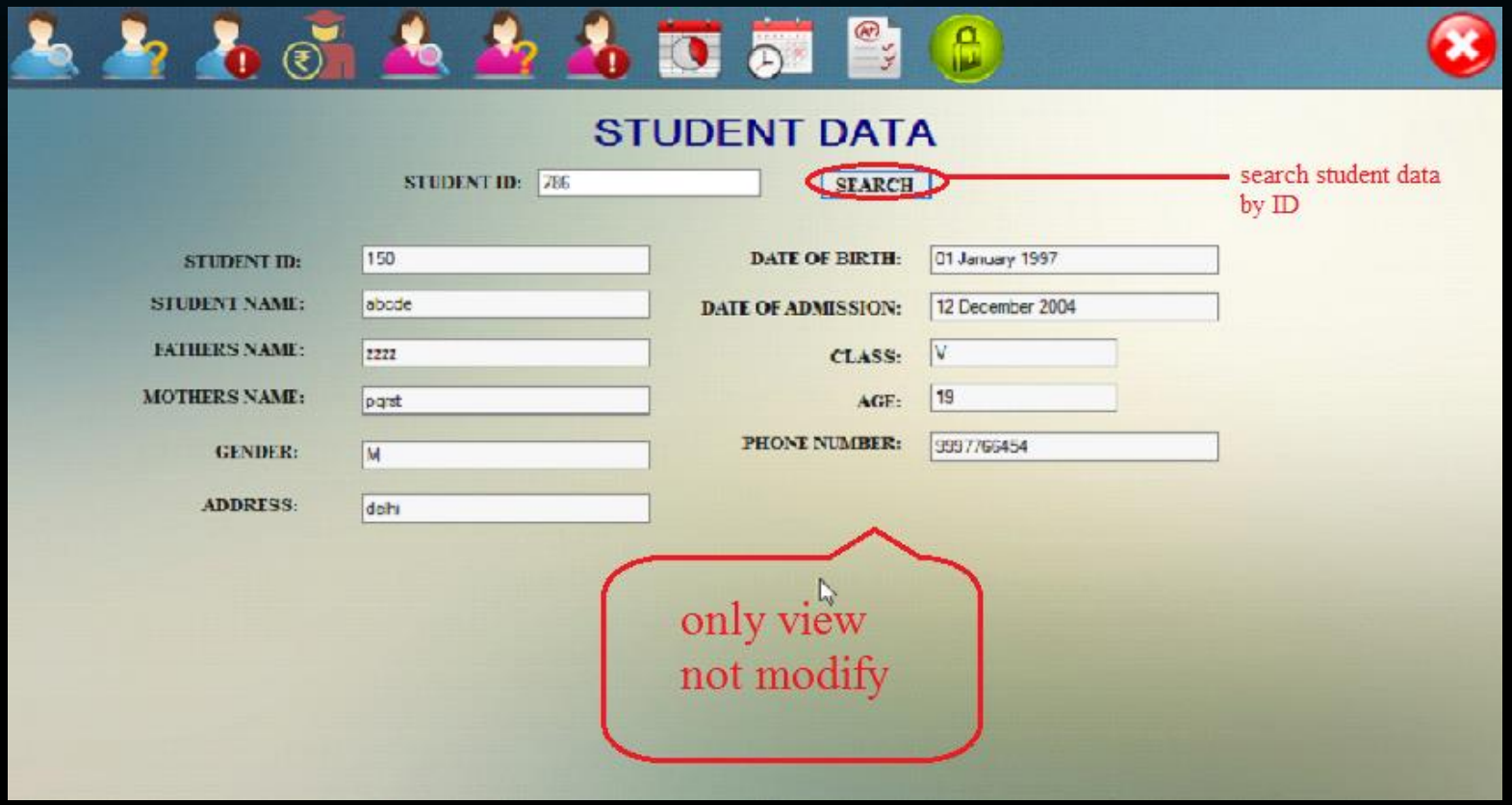

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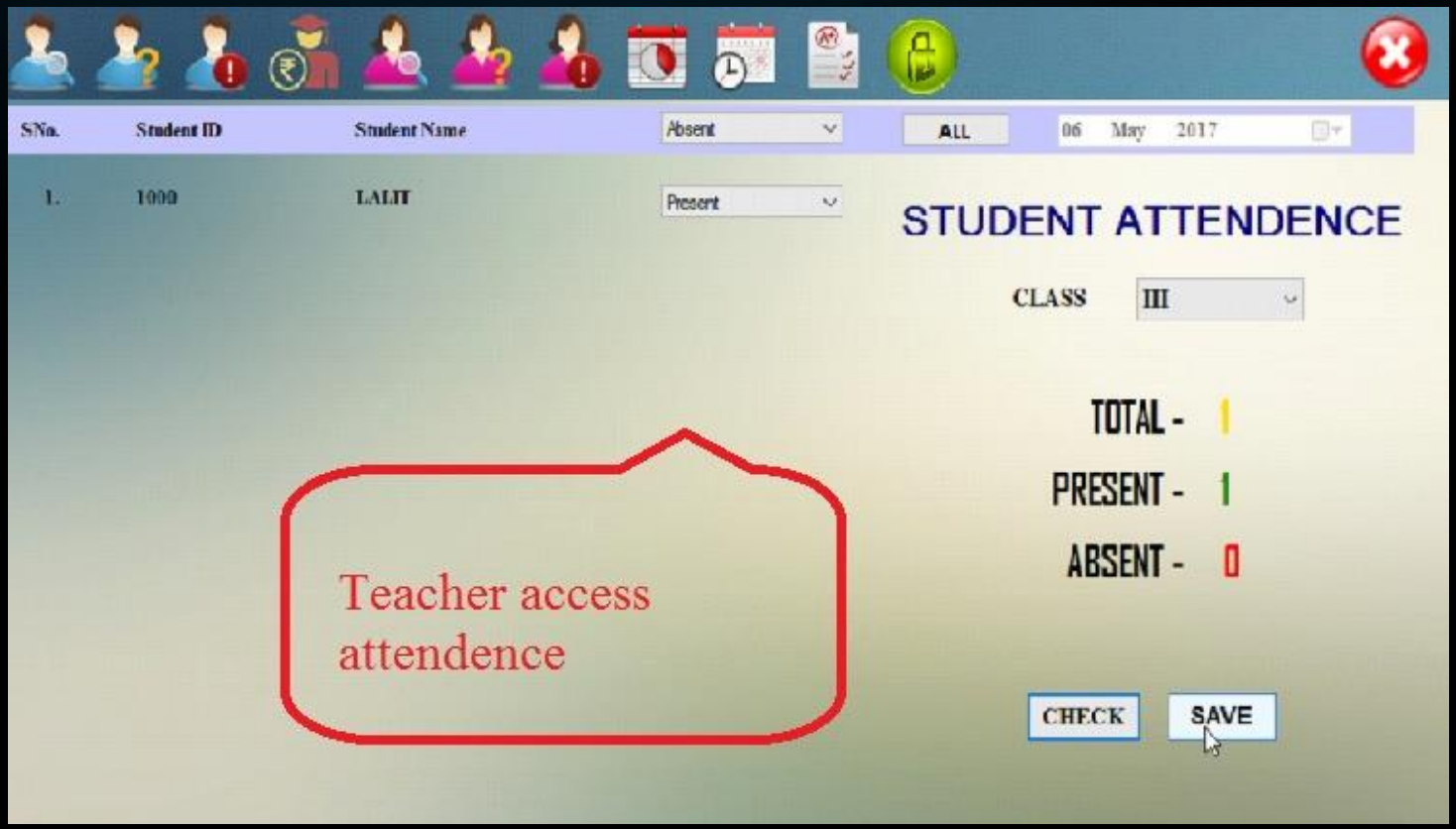

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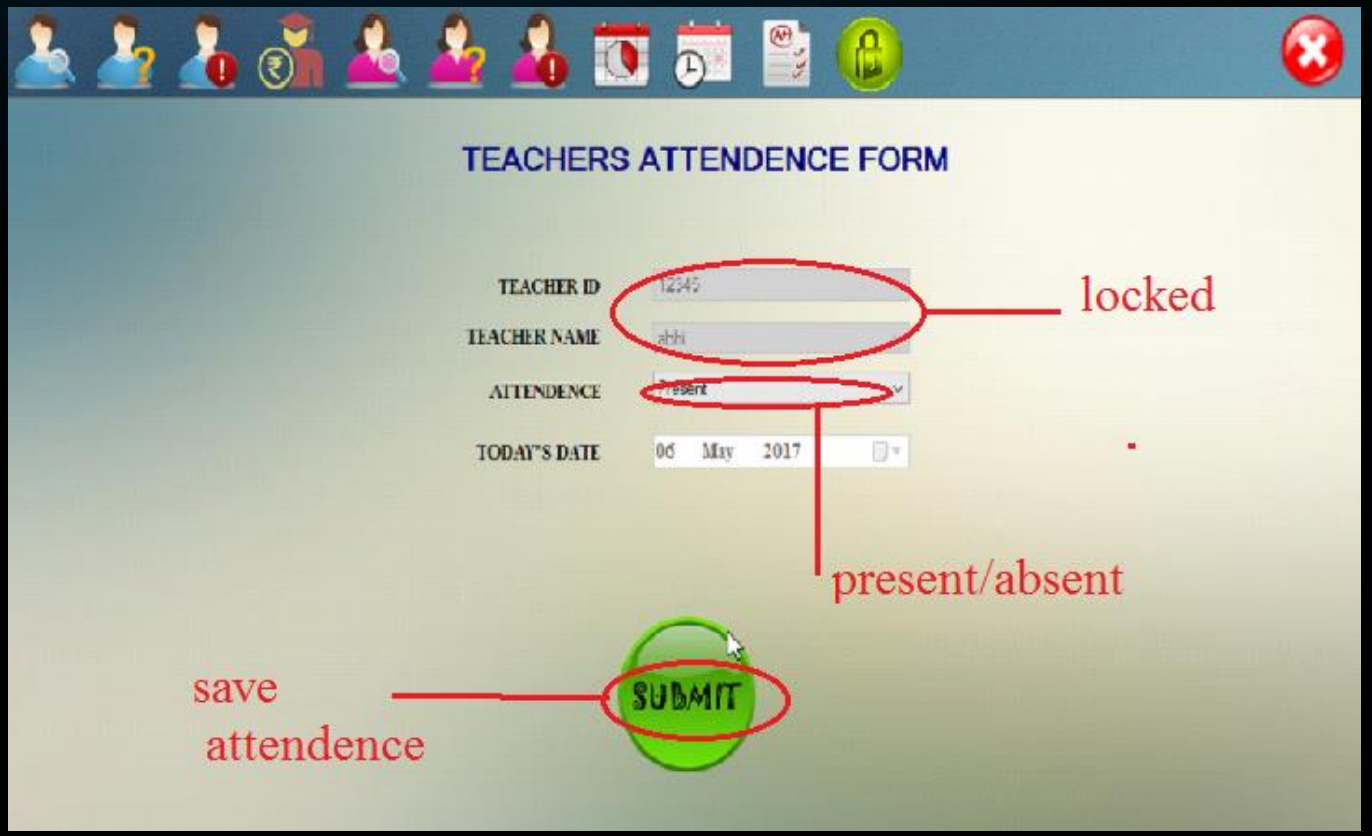

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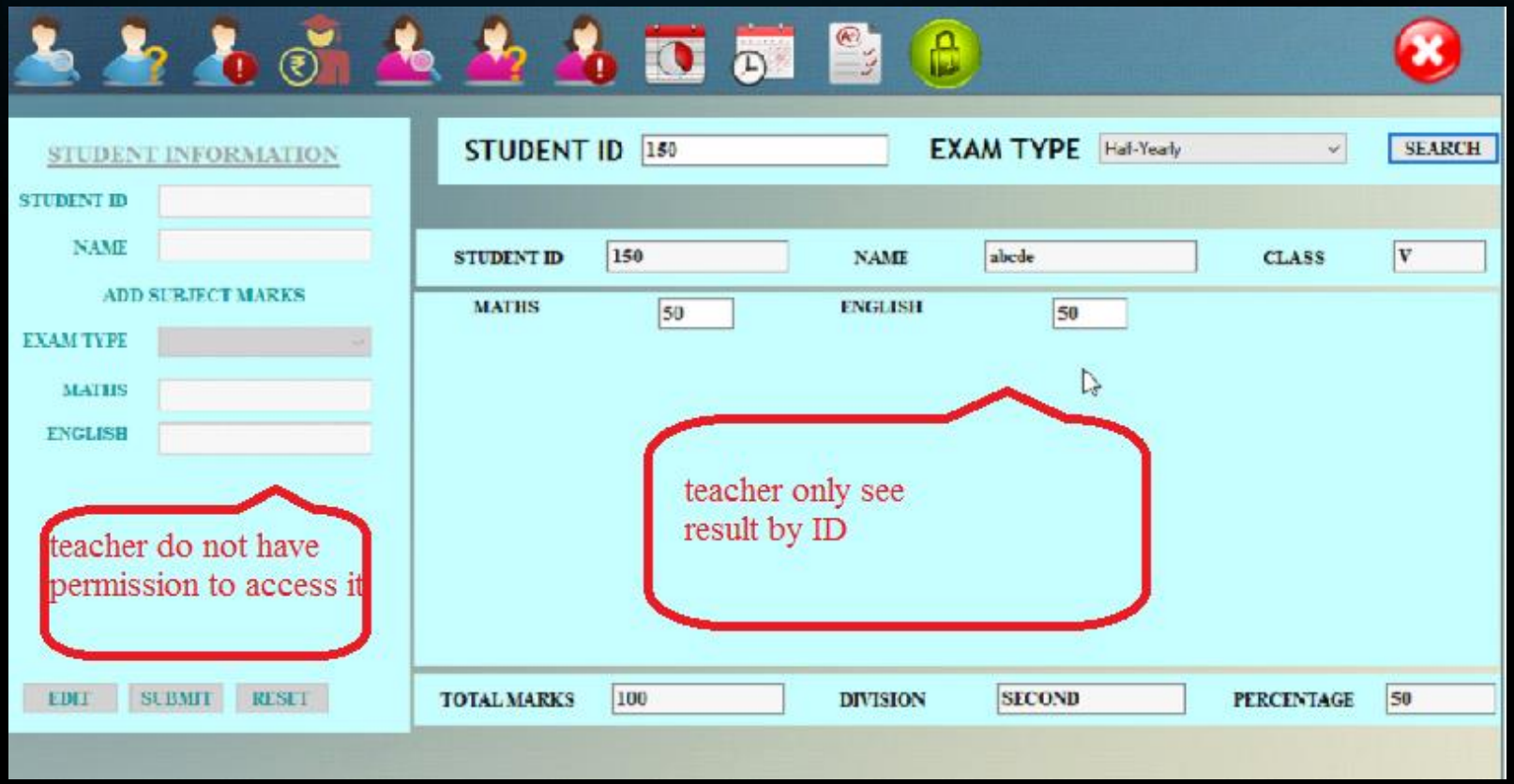

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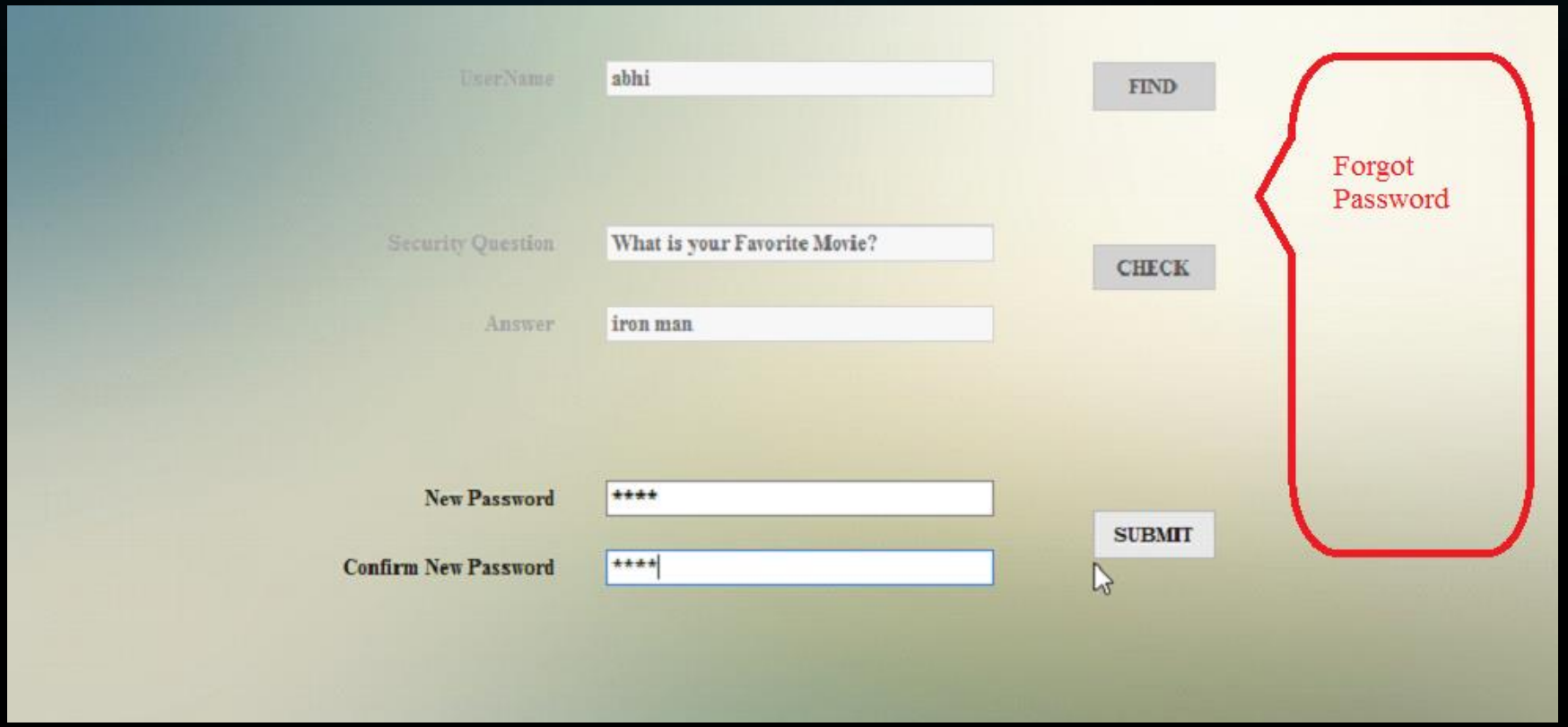

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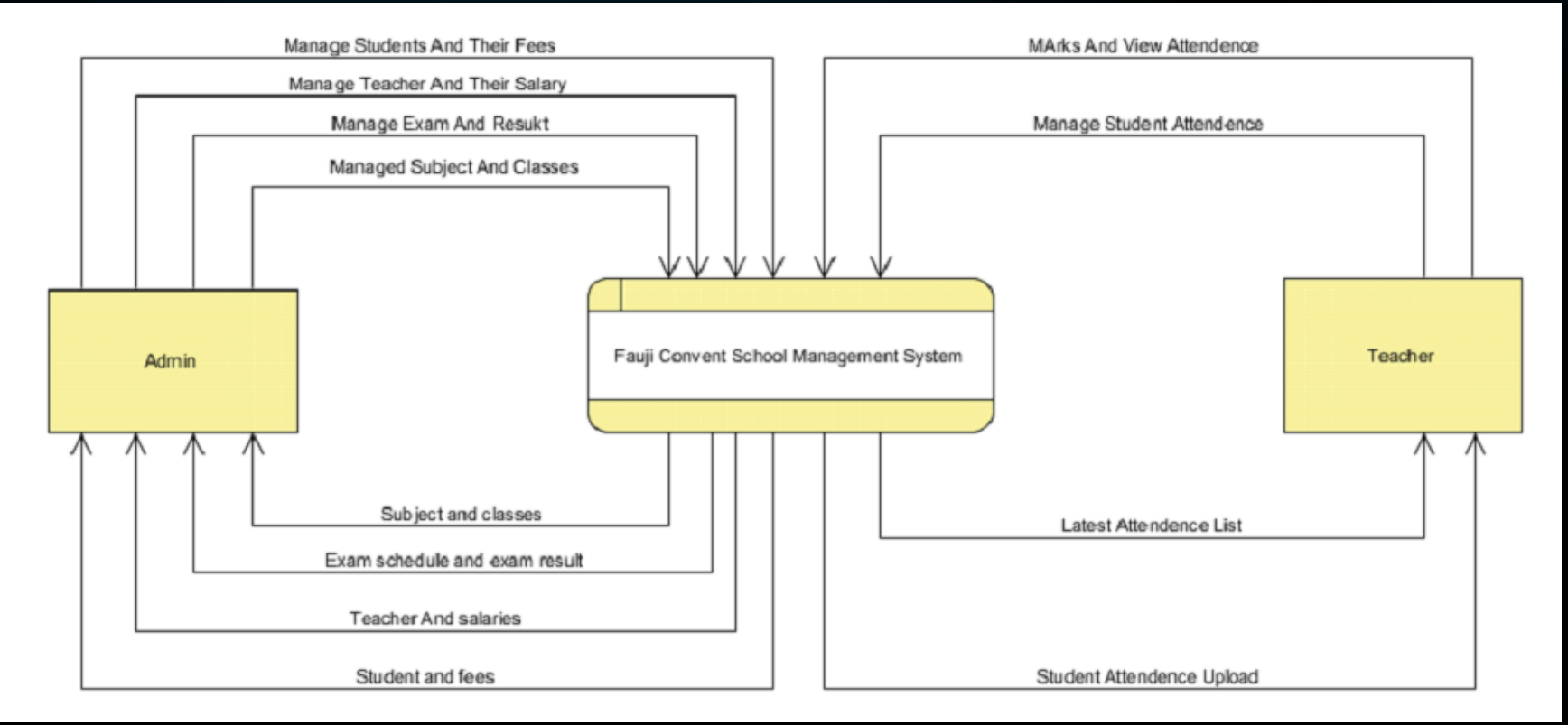
Data flow diagram Level 0



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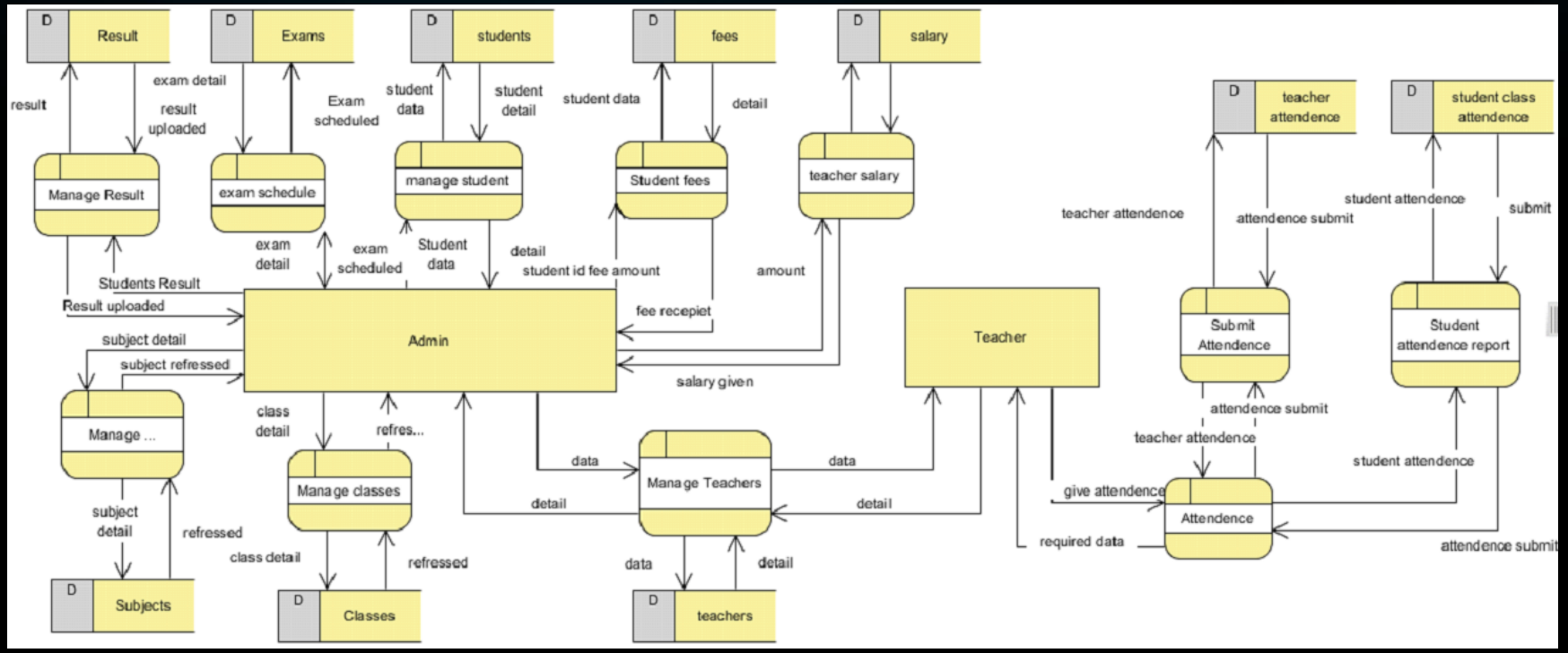
Data flow diagram Level 1



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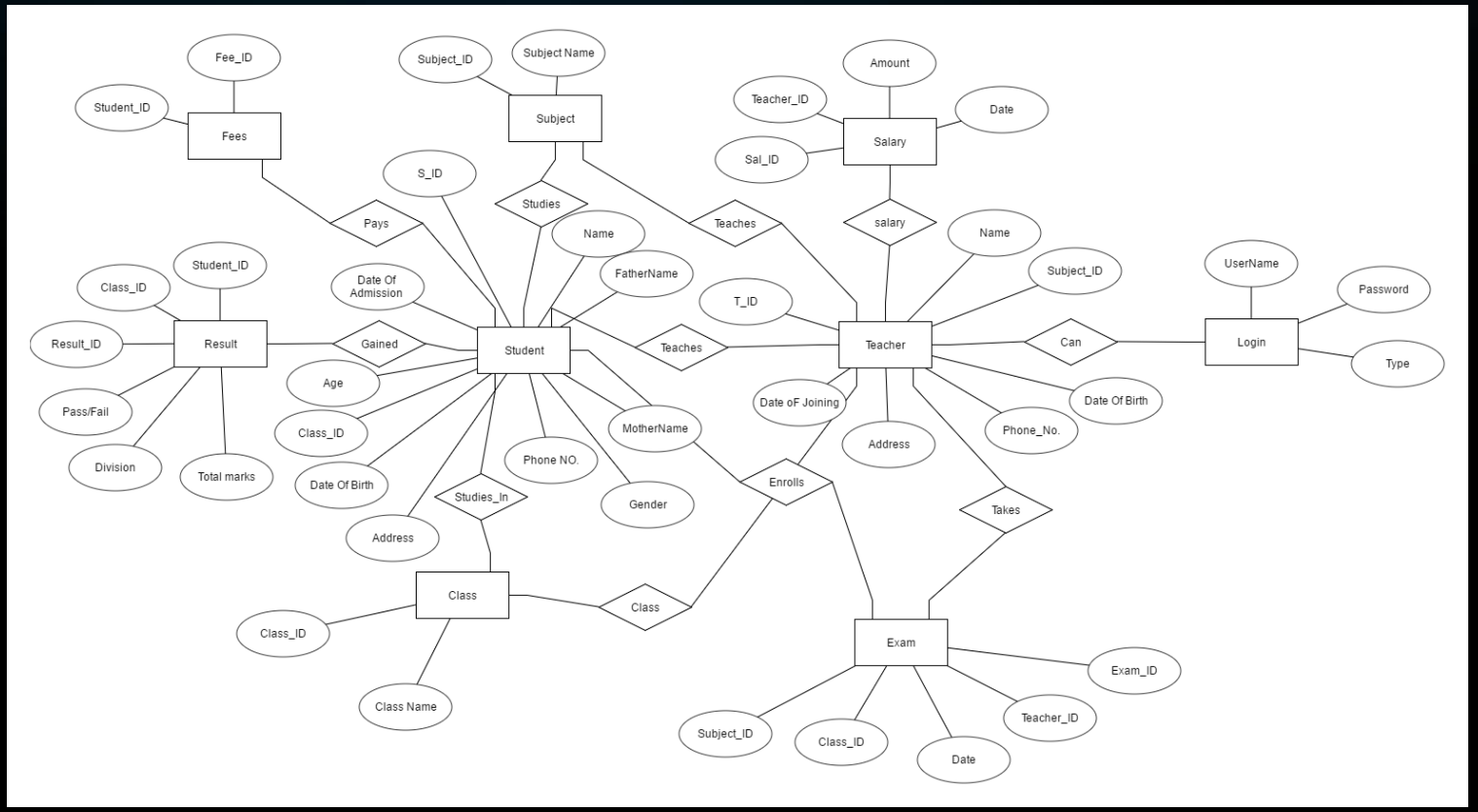
ER Diagram



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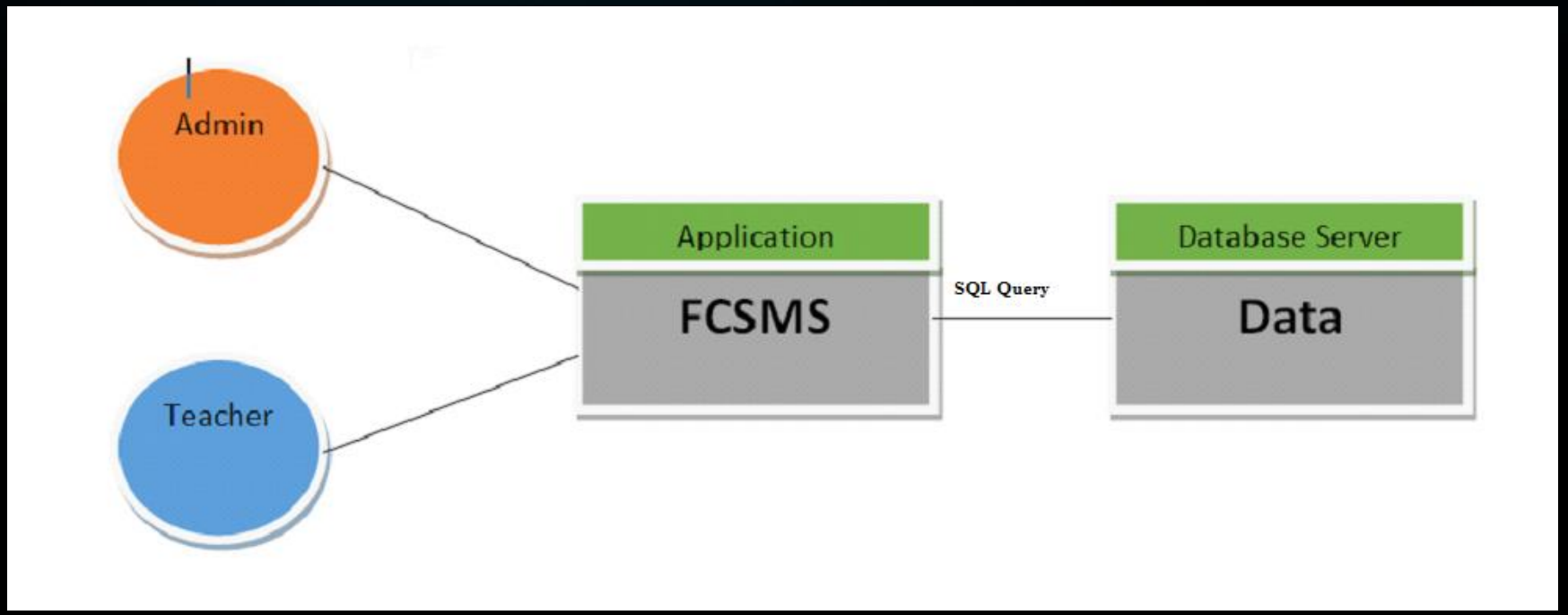
Architecture of the System.



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Future Scope

- Nothing is perfect in this world. So, we are also no exception. Alt hough, we have tried our best to present the information effectively, yet, there can be further enhancement in the Application.
- We have taken care of all the critical aspects, which were required by school to manage the
- Records.In future, we can add and update the software according to the requirements.
- Automatic Time Table Module is our future plan. We will develop the TimeTable Module in future,
- And one of the most crucial future plans with this application is that, we convert this into a LAN based application.

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Test Case

Test No.	Description	Test Data	Expected Result	Actual Result
1.	Clicking the login Button With invalid username or Password or both.	Username= " ABC" Password= "ABC"	A message box should display which contains invalid Username and password.	Pass
2.	Clicking the login Button Valid username and password.	Username="admin" Password="admin"	Redirect to specific Home page to specific user.	Pass

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Benefits

- Complete automation of all operations
- Centrally stored information with zero redundancy
- Reliable update on child's attendance, progress report and fee payment.
- Automated student attendance
- Computerized management of marks and grades
- Access to attendance, marks, grades and examination schedule

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