
Software Requirements Specification



College Management System

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1. Introduction

1.1 Purpose

Main aim in developing **College Management System** is to provide an easy way not only to automate all functionalities of a campus, but also to provide full functional reports to top management of campus with the finest details about any aspect of campus.

1.2 Intended Audience and Reading Suggestions

- Admin
- Teacher
- Student

1.3 Project Scope

This system provides the detail structure of the college campus and its departments. CMS synchronizes the working of all the departments. It looks on all aspects of a campus, its students, faculties, Departments, marks and other co – curricular activities. CMS is the easiest way to manage all functionalities of a college, which facilitates campus to maintain the functionality related to campus employees and their students

1.4 References

- Binstock, Andrew (May 20, 2015). "Java's 20 Years of Innovation". Forbes. Archived from the original on March 14, 2016. Retrieved March 18, 2016.
- Herbert Scheldt, Java Complete Reference, Fifth Edition, Tata McGraw Hill Edition.
- Gosling, James; Joy, Bill; Steele, Guy; Bracha, Gilad. "The Java Language Specification, 2nd Edition". Archived from the original on August 5, 2011. Retrieved February 8, 2008.
- MySQL 8.0 Release Notes". mysql.com. Retrieved 29 July 2019.
- <https://en.wikipedia.org/wiki/NetBeans>
- <https://www.tutorialspoint.com/mysql/index.htm>
- https://www.w3schools.com/java/java_intro.asp

1.5

2. Definition, Acronyms, and Abbreviations

(List all the abbreviations that you are using in this document)

3. Overall Description

3.1 Product Perspective

Goals of proposed system:

- The system should be easy to operate.
- The working in the organization will be well planned and organized.
- The level of accuracy in the proposed system will be higher.
- The reliability of the proposed system will be high due to proper storage of information.
- Provide quick and efficient retrieval of information.

Advantages:

- Low maintenance cost.
- Volume of data is not an issue.
- Data can be converted easily to information.
- Data cannot be corrupted easily with proper backup.
- It can be expanded as well as data communication is possible.

Disadvantages:

- High starting cost requires.
- Additional manpower is necessary.
- Data communication system will have an additional cost.

3.2 Product Features

The data collection that occurs during preliminary investigation examines system feasibility, The likelihood that the system will be beneficial to the organisation.

The following feasibility types are studied :

- 1 : Technical
- 2 : operational
- 3 : Economic
- 4 : Schedule
- 5 : Specification
- 6 : Information
- 7 : Motivational
- 8 : Legal and Ethical

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3.2.1 Functional Requirements

3.2.2 Non Functional Requirements

3.3 User Classes and Characteristics

Describe the type of users who will use this system.

3.4 User Interfaces

- Admin-who will manage the data of patients and doctors
- Teacher - adding, deleting, modify of patient profile
- Student- giving prescriptions, contact patients .

3.5 Operating Environment

1. Operating Environment Win 7/XP and above
2. Core Pap
3. Database MySQL
4. Internet Browser
5. smart Draw

4. Technologies to be used:

5. Hardware Interface:

<u>Minimum Hardware requirements</u>			
Client Side			
Browser	Processor	RAM	Disk Space
	I3 or later	4gb	10gb
Server Side			
Web Server	Apache		
Database	MySql		

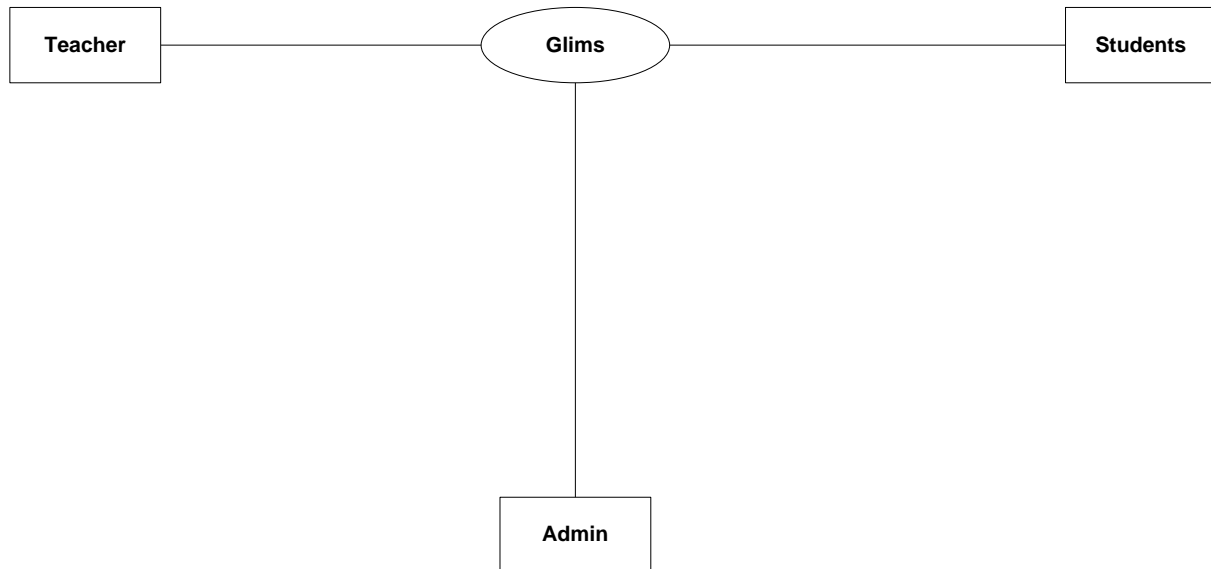
6. Design and Implementation Constraints

Mention if there is any design or implementation constraints.

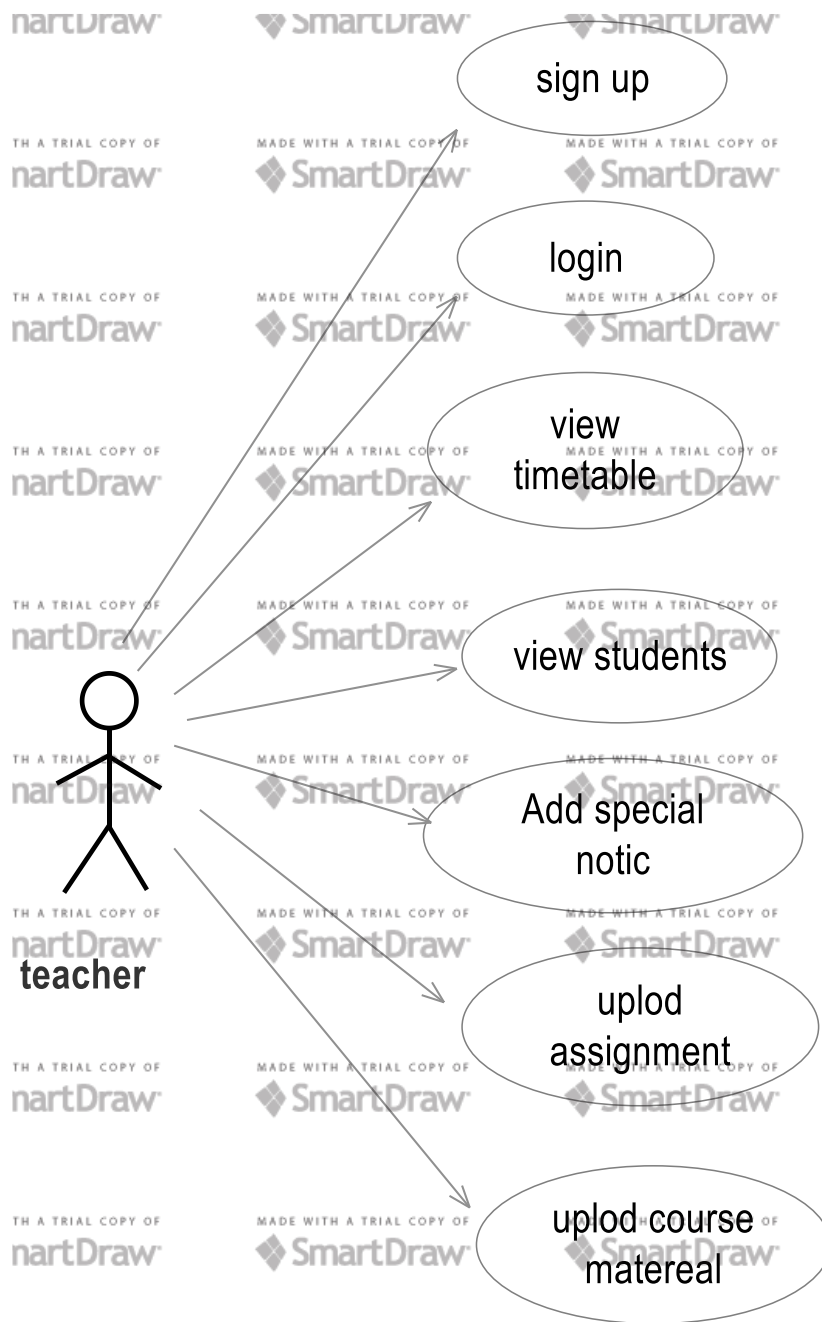
7. Architectural Design:

7.1 Use case Diagram

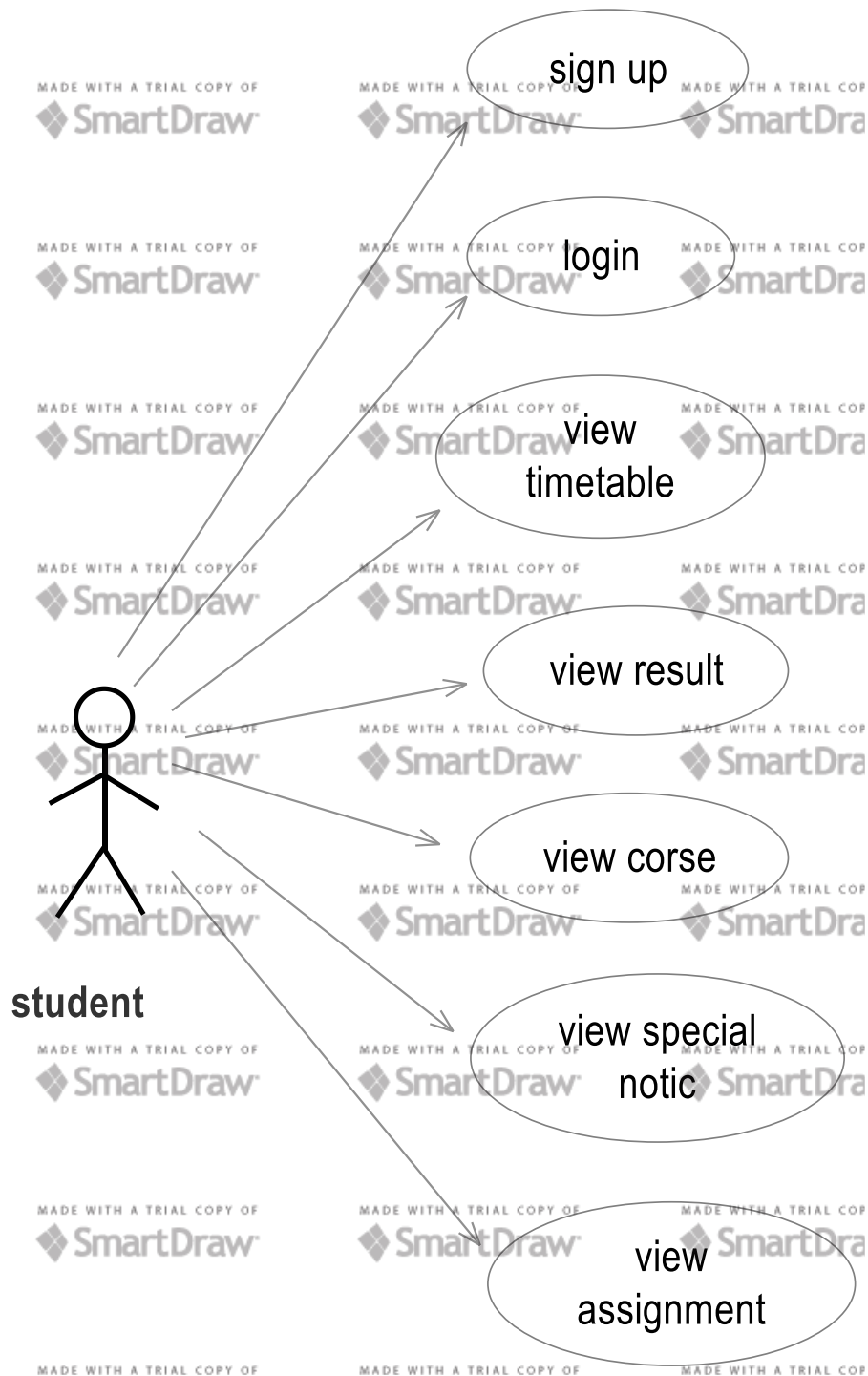
7.2 Class Diagram



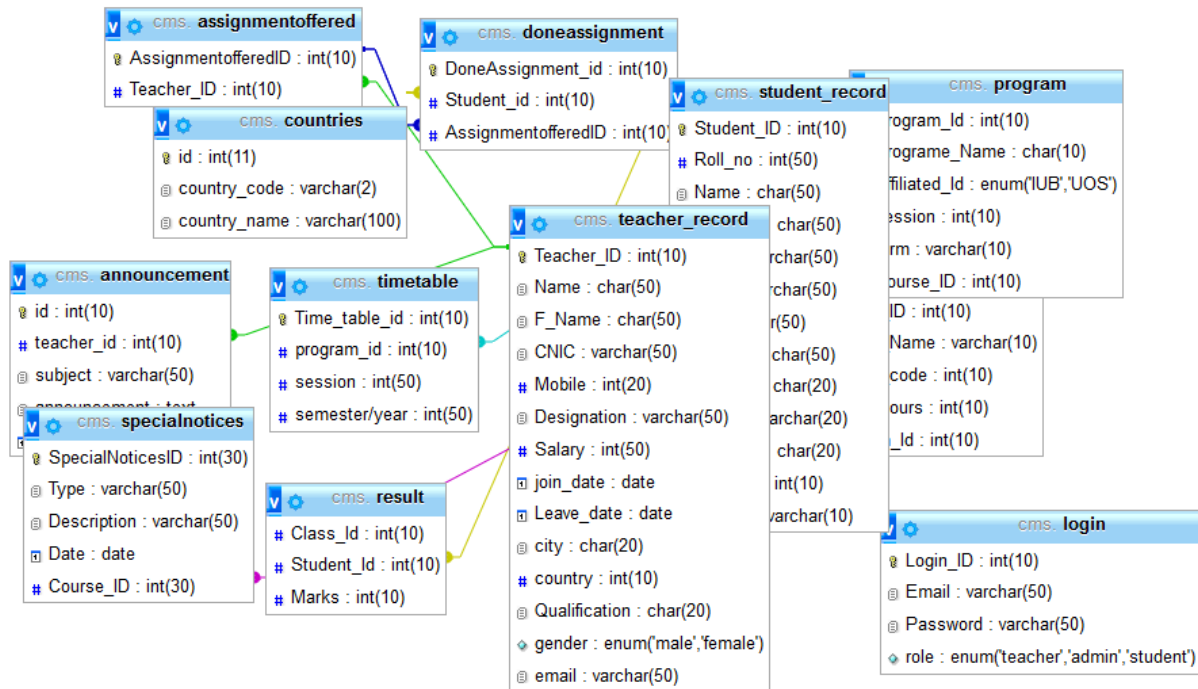
7.3 Sequence Diagram



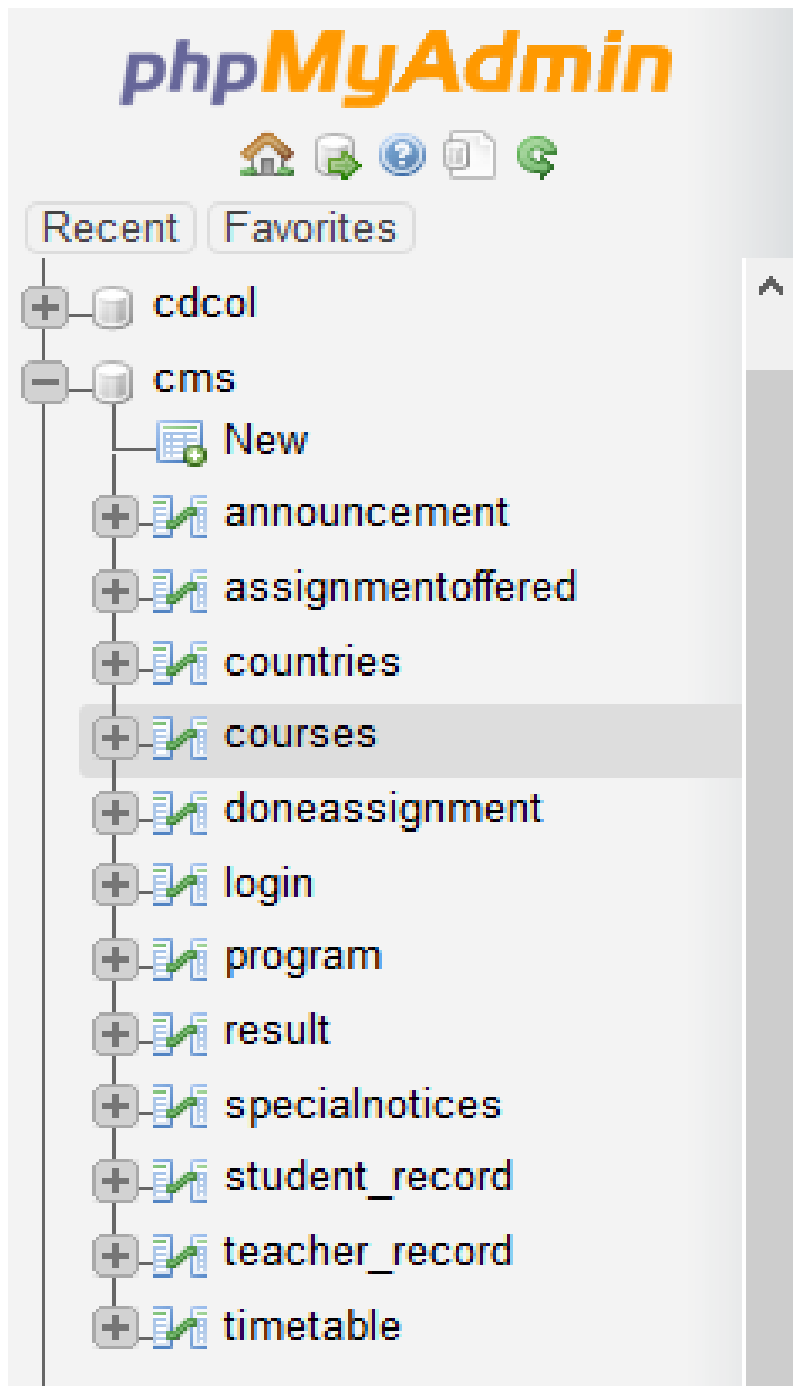
7.4Activity Diagram



7.5ER Diagram



8. Database Schema:



9. Test cases:

Test Cases and Test Result of Login Module									
Prerequisites		This screen lets user to login							
Test #	Test Case Name	Test Case Description	Test Procedure	Input Data	Expected Result	Test Results	Severity (H/M/L)(if Failed)	Test Results	Comments