

# **ASSIGNMENT SUBMISSION SYSTEM**

*A Project Report submitted for partial fulfillment of the requirements for the 2nd sem of*

**Masters of Computer Application (MCA) of**

**JORHAT ENGINEERING COLLEGE**

**UNDER ASSAM SCIENCE AND TECHNOLOGY UNIVERSITY**



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## **CERTIFICATE**

This is to certify that the project entitled “**ASSIGNMENT SUBMISSION SYSTEM**” submitted by **BIRAJ KHOUND** (Roll No. 210720043009), **MADHURYA DUTTA**(Roll No. 210720043019) in partial fulfilment of requirements for the **3rd Semester** project of **Masters of Computer Application (MCA)** of **Jorhat Engineering College**, under **Assam Science and Technology University** has been examined.

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## **ACKNOWLEDGEMENT**

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Lastly, we thank the almighty, our parents and our classmates for their constant encouragement without which this project would not have been possible.

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## **ABSTRACT**

Assignment submission systems are an integral part of an educational institute. In every educational institute students get some assignments and based on those assignments they get grades. So, a proper working assignment submission system is very important for institute to make assignment submission process hassle free for students.

We will design an assignment submission system where teacher can create classrooms where he can share assignments to students and grade their submission. He can approve students request to enter classroom. Teacher will be able to set time limit on assignment submission. In this system students can easily submit there assignment from anywhere at any time. The system will be designed using PHP and MYSQL server, JS, HTML, Bootstrap and the overall performance of the system is satisfactory with respect to the requirements and working.

**Keywords:** Assignments, score, Questions, PHP, MySql.

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## INTRODUCTION

Assignment management is one of the fundamental activities in education. In traditional assignment management schemes, assignments are recorded on paper, floppy disks, and emails. They have to be delivered or organized manually. This is inconvenient and inefficient, and may cause many problems due to material limits and human errors, such as disordered printouts (without page numbers), damaged floppy disks, etc. Furthermore, instructors and students usually are unaware of the ongoing academic information, which can be used to help them find out problems and improve their teaching and learning qualities. Therefore, it becomes important to implement an assignment management method, which can provide both instructors and students with quality educational services.

To solve these problems we have tried to develop a web-based systems. In this systems, users can handle their management in an extremely convenient way: they can access the systems from anywhere at any time; get responses immediately; make use of countless online resources and share their own with others. More importantly, they do not need to worry about the operating systems and different application software on either server or client side. All they need to have is a browser and the ability to get online. Presently, many assignment-management-related systems can be found easily on the Internet.

## **AIM AND OBJECTIVE**

### **Aim:**

To develop a web application for college that handles the assignments and assignment related information including checked by professor through the system and provides marks for each assignments. The purpose of the project is to build a system to reduce the manual work for managing the assignment.

### **Objectives:**

#### **1. Teacher Module:**

- a) Teacher can create assignment and add questions.
- b) Teacher can grade assignments.
- c) Teacher can set submission time limit (Last Date).
- d) Teacher can view Submitted Assignments.

#### **2. Student Module:**

- a) Students can create account in the system.
- b) Students can see pending assignments and submitted assignments.
- c) Students can submit assignment.
- d) Student can see their grades.

## **FEASIBILITY STUDY**

It is necessary and prudent to evaluate the feasibility of a project at the earliest possible time. There may be different ways of checking whether a system is feasible or not. The following feasibility studies were performed to gauge the feasibility of the system.

### **➤ OPERATIONAL FEASIBILITY**

In this test, the operational scope of the system is checked. The system under consideration should have enough operational reach. It is observed that the proposed system is very user friendly and since the system is built with enough help, even persons with little knowledge of websites can find the system very easy.

### **➤ TECHNICAL FEASIBILITY**

This test includes a study of function, performance and constraints that may affect the ability to achieve an acceptable system. This test begins with an assessment of the technical viability of the proposed system. The management provides latest hardware and software facilities for the successful use of the system. With these latest hardware and software support the system will perform extremely well. The system is available through Internet.

### **➤ ECONOMIC FEASIBILITY**

The development cost of the system is evaluated weighing it against the ultimate benefit derived from the new system. It is found that the benefit, from the new system would be more than the cost and time involved in its development. Intangible cost and benefits:-

- Easy to use, simple and user friendly
- Less usage of papers
- Save allowance for losing and buying tools and equipment.



## **REQUIREMENTS GATHERING AND ANALYSIS**

We set our first set of context-free questions that focuses on the users' requirements, overall project goals and benefits. The questions are:

1. How long will the project timeline be?
2. Who will be using the project outcomes?
3. Who will make the decision about the project?
4. Who will provide the resources to fulfil the project?
5. Whose work will affect the project?

These questions helped us to identify the measurable benefit of the successful implementation and possible alternatives to develop the application.

We finalized the following requirements for the system by categorizing and prioritizing the requirements:

1. Web-based application for user.
2. Accessible via the internet.
3. Allow user to login, manage the system and logout.
4. Maintain a database for the service.

### **Requirements to develop the website:**

1. Processor: Intel Pentium (1.2GHz or above).
2. Internal Storage: - 40GB or above.
3. RAM: 1 GB or above.

### **Requirements to run the website:**

1. Any computer or mobile device
2. An internet connection.
3. Operating System: Windows 7 or above.
4. An Internet Browser (Google Chrome is preferable.

## **SYSTEM STUDY**

The proposed system is implemented to replace the manual system involving a lot of paperwork.

- **Existing system:** The existing system is more prone to human error in terms of assigning mistake. The paper-based system is more prone to human error with data throughout the manual system. Often information is incomplete, or does not follow management standards. Records are often lost in transit requiring a comprehensive auditing process to ensure that no vital information is lost. Also, there is the probability of calculation errors during adding and selling medicine process.
  
- **Proposed system:** The Assignment Submission System is designed to replace the existing manual paper-based system. The new system is to control the following information: records of items, item add, item update, item delete, table details, orders details and generate receipts etc. These services are to be provided in an efficient, effective manner, with the goal of reducing the time and resources currently required for such tasks. The proposed system is fully responsive so the user is able to use it in any devices such as laptops or mobile.

## **SYSTEM IMPLEMENTAION**

### **Tools/Technologies and Languages used for development:**

Language used	Software used
1. HTML 2. PHP(Laravel) 3. Bootstrap 4. SQL	1. Visual Studio Code 2. XAMPP server 3. MySQL database

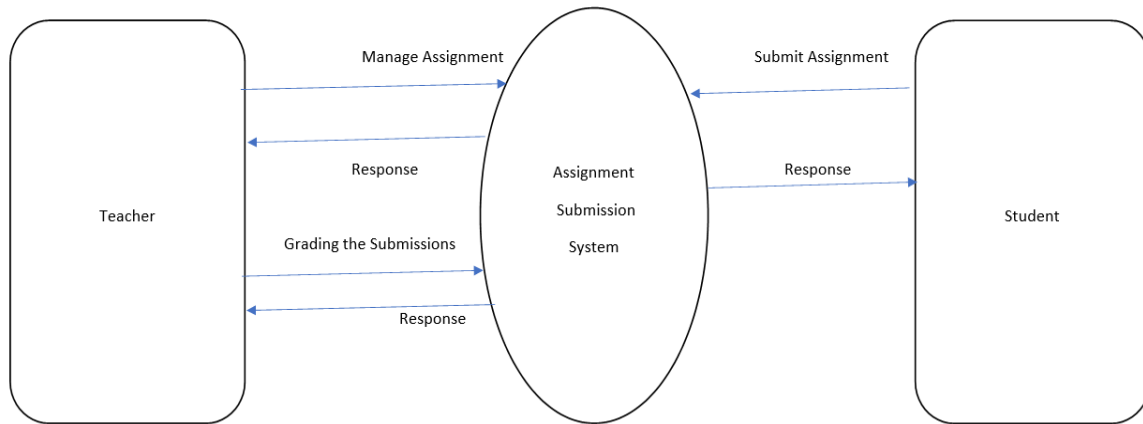
### **System requirements:**

The hardware required for this software is a personal computer (desktop or laptop) with the minimum hardware configuration given below:

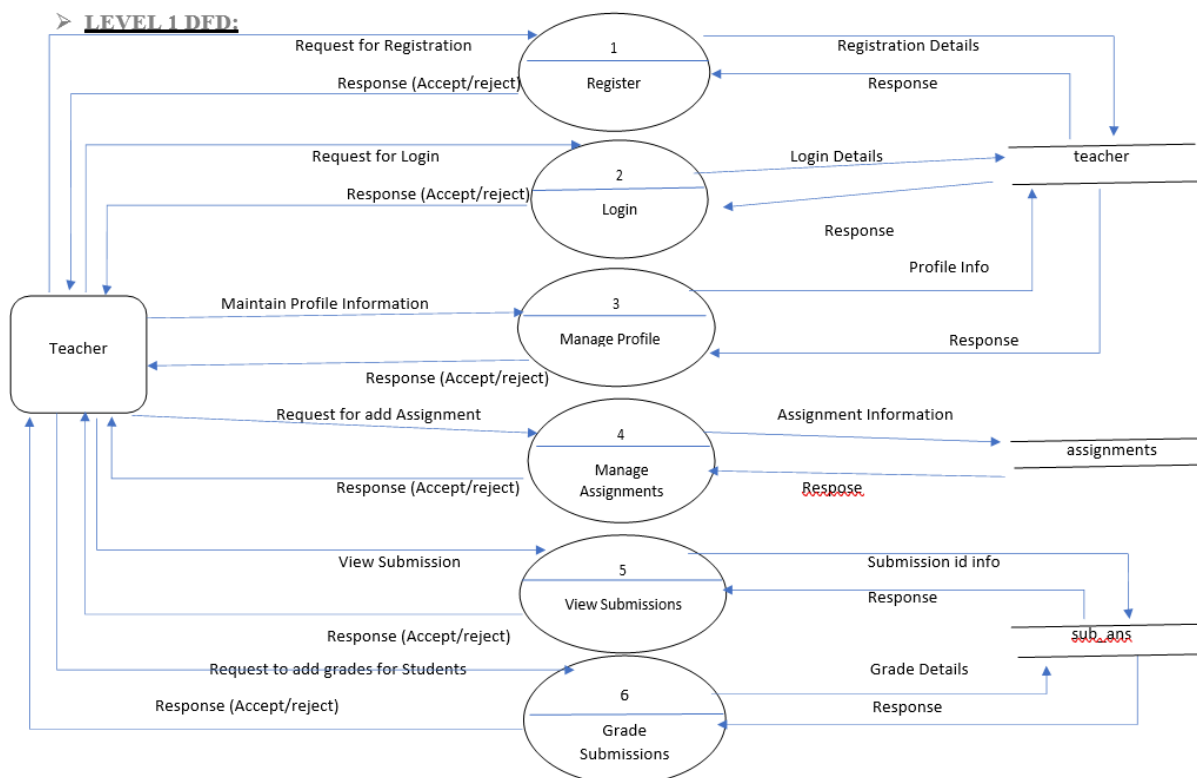
- Operating system: Windows (7/8/10), Linux (all current major distributions)
- Processor: Intel Pentium
- Browser: Any Chromium-based browser (Google Chrome, Microsoft Edge, etc.)
- RAM: 1GB

## DATA FLOW DIAGRAM (DFD)

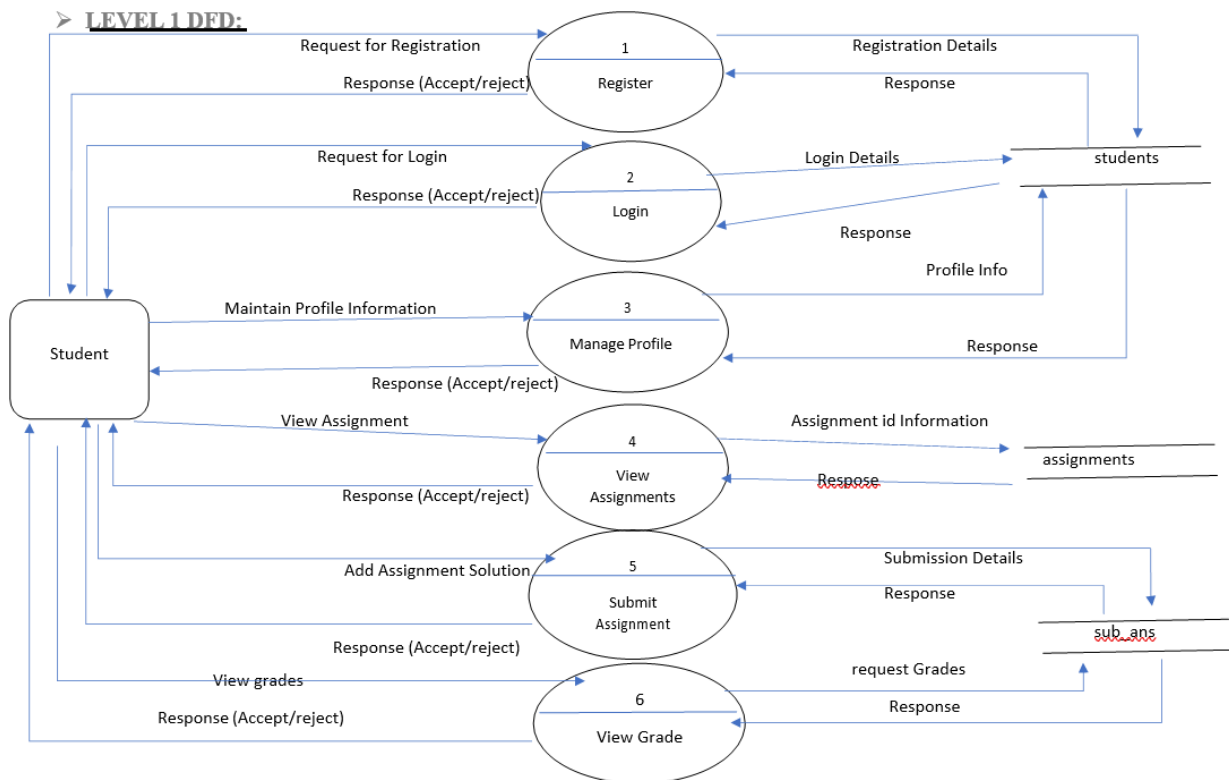
### ➤ LEVEL 0 DFD (CONTEXT LEVEL DIAGRAM):



## Teacher Module Level 1 DFD:



# Student Module Level 1 DFD:



## **MODULE DESCRIPTION**

This system has two module teacher and student so after the student logs in, the user will find a dashboard that includes: a side menu bar mentioned with 'Dashboard', Profile, 'Assignments', 'Submitted Assignments'. Also, in the side-bar user will find a Logout options.

After the teacher logs in, the user will find a dashboard that includes: a side menu bar mentioned with 'Dashboard', Profile, 'Assignments', 'Create Assignment'. Also in the side-bar user will find a Logout options.

### **Student Module:**

A student module for an assignment submission system is an important tool for tracking and managing student assignments and progress. It allows students to see their assignments, submit their work, and view feedback and grades. One of the key features of a student module is the ability to view upcoming assignments and deadlines.

Another important feature is the ability to submit assignments and check the status of their submissions.

The student module may also include a feature for viewing past submissions and grades. They can also use this feature to review their work and feedback, which can be helpful for studying and preparing for exams.

- **Login:** The 'Login' facility is added for student authentication purpose. It helps to verify the credentials of an authorized user.
- **Profile:** Here students can view their own details and can edit them if required.
- **Dashboard:** This is the first layout the user interacts with after his/her login is completed. This page contains all the assignments which have submission time.
- **View Question:** In this feature user can see all the questions that an assignment has and also answer the questions and submit them from there.
- **Submitted Assignment:** Here Student can see his submitted assignments and the marks he has got.
- **Logout:** On clicking this button the user who is currently logged in will be removed from the current login session and will be redirected to the login page.

# Teacher Module:

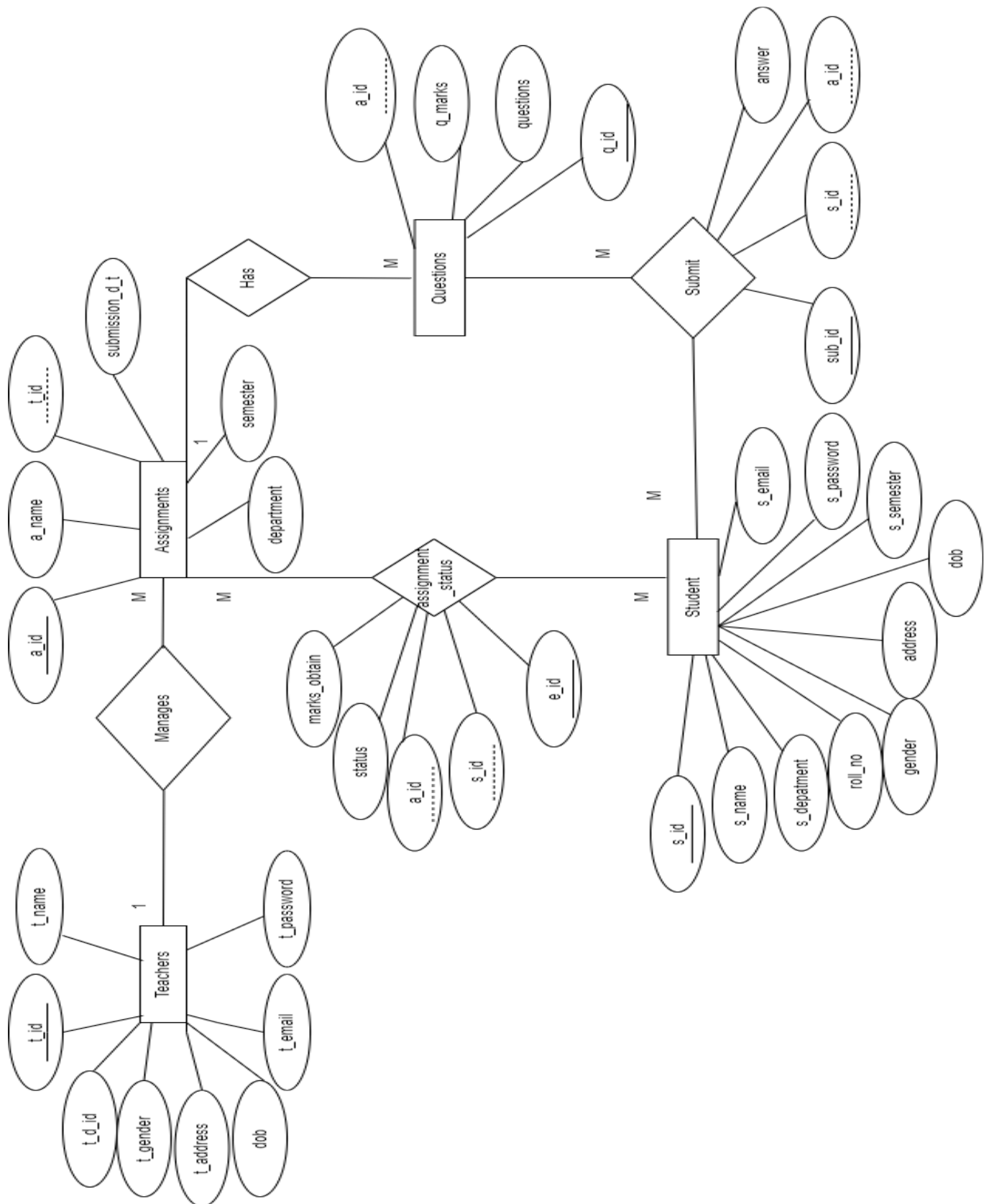
A teacher module for an assignment submission system is an essential tool for managing and evaluating student work. It allows teachers to quickly and easily track the progress of student assignments, and provides valuable insights into the performance of both individual students and the class as a whole.

This can be especially useful for tracking student progress over time, and for identifying students who may be falling behind or struggling with the material.

A teacher module for an assignment submission system should also include tools for managing and organizing student submissions. This makes it easy for teachers to review and provide feedback on student work, and can help to streamline the grading process.

- **Login:** The 'Login' facility is added for student authentication purpose. It helps to verify the credentials of an authorized user.
- **Profile:** Here Teacher can view their own details and can edit them if required.
- **Dashboard:** This is the first layout the user interacts with after his/her login is completed. This page contain all the assignments which have submission time.
- **Grade Assignment:** In this feature user can grade the questions of an assignment and submit them for students .
- **Add Assignment:** Here Teacher can add assignments .
- **Logout:** On clicking this button the user who is currently logged in will be removed from the current login session and will be redirected to the login page.

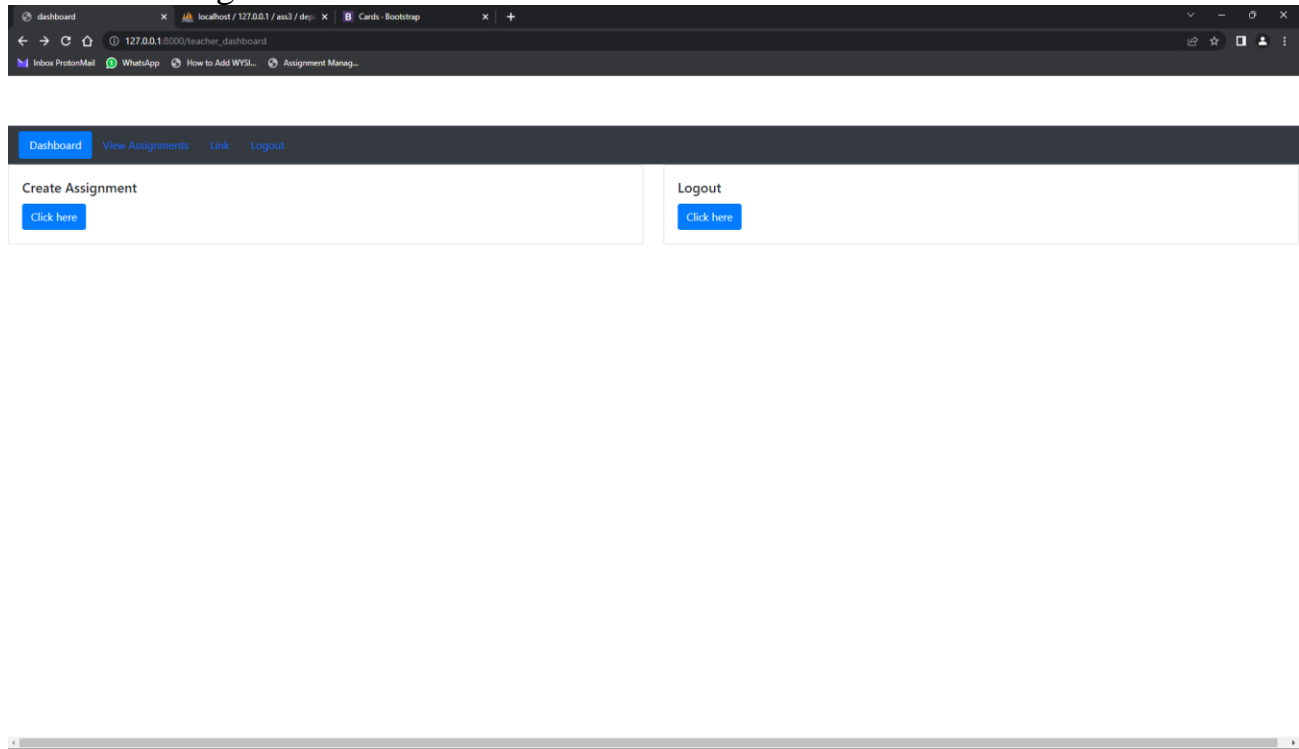
## ER-Diagram:



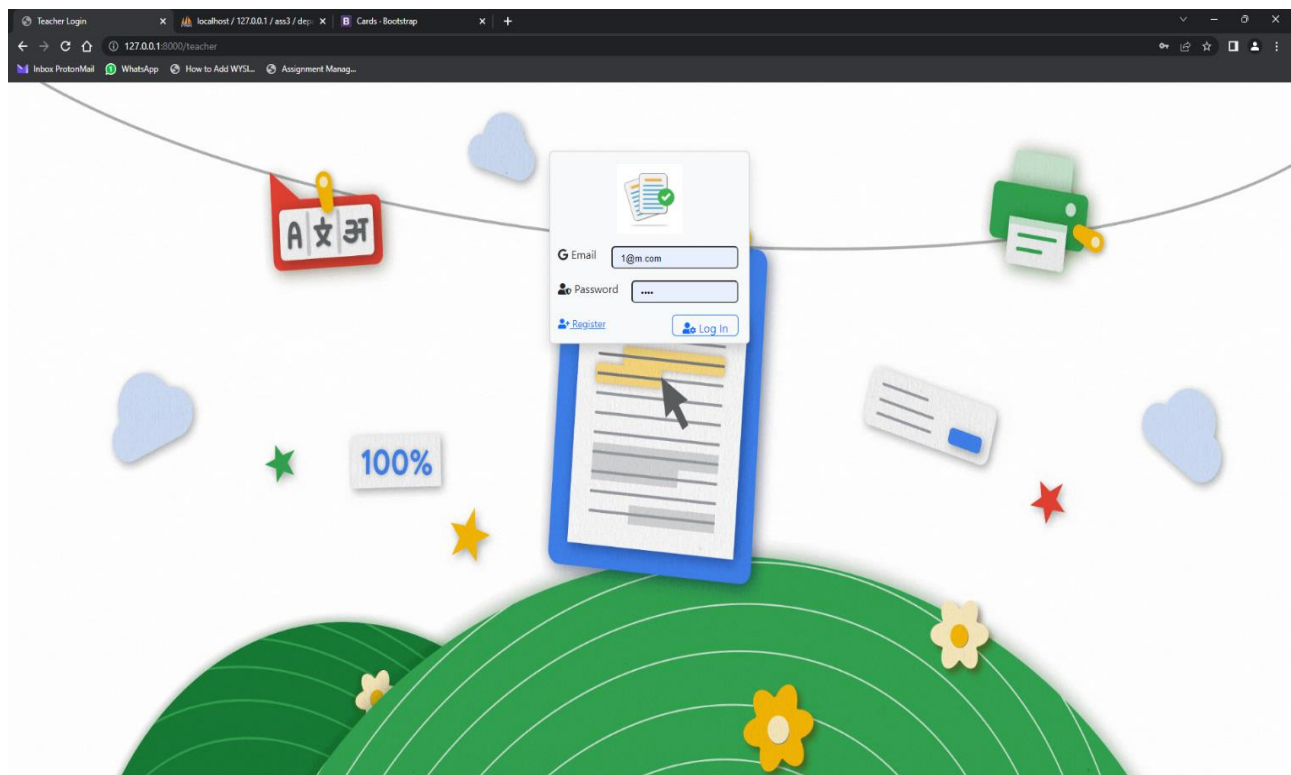


# Results:

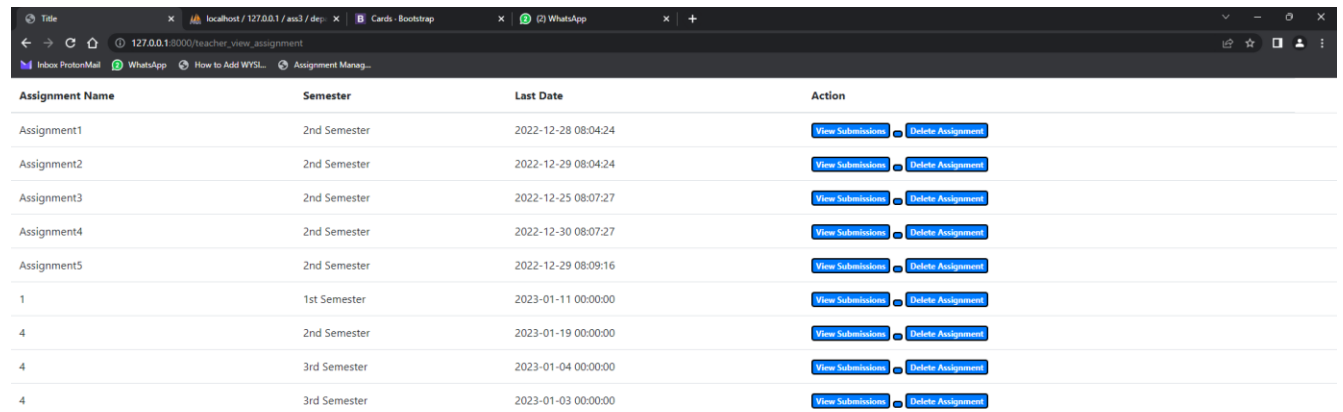
## Dashboard Page of a Teacher Module



## Login Page for Teacher

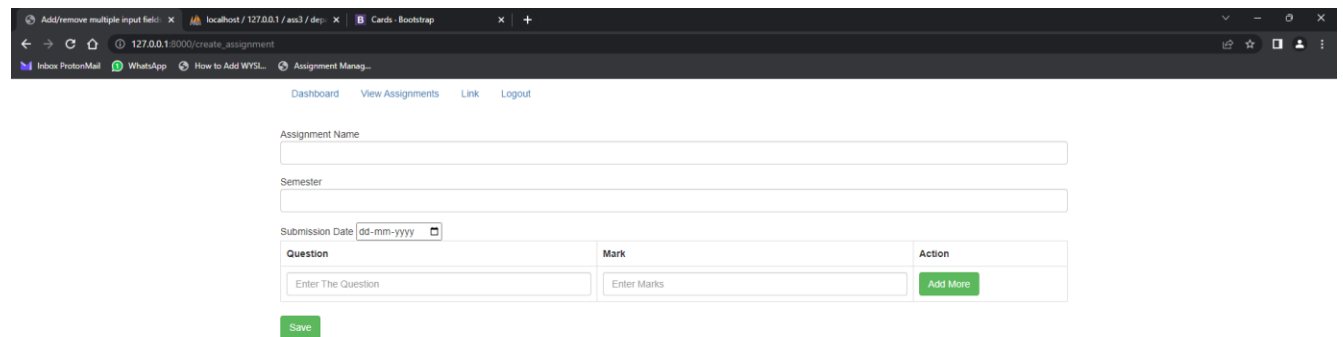


## Page for Manage Assignment in teacher module



Assignment Name	Semester	Last Date	Action
Assignment1	2nd Semester	2022-12-28 08:04:24	<a href="#">View Submissions</a> <a href="#">Delete Assignment</a>
Assignment2	2nd Semester	2022-12-29 08:04:24	<a href="#">View Submissions</a> <a href="#">Delete Assignment</a>
Assignment3	2nd Semester	2022-12-25 08:07:27	<a href="#">View Submissions</a> <a href="#">Delete Assignment</a>
Assignment4	2nd Semester	2022-12-30 08:07:27	<a href="#">View Submissions</a> <a href="#">Delete Assignment</a>
Assignment5	2nd Semester	2022-12-29 08:09:16	<a href="#">View Submissions</a> <a href="#">Delete Assignment</a>
1	1st Semester	2023-01-11 00:00:00	<a href="#">View Submissions</a> <a href="#">Delete Assignment</a>
4	2nd Semester	2023-01-19 00:00:00	<a href="#">View Submissions</a> <a href="#">Delete Assignment</a>
4	3rd Semester	2023-01-04 00:00:00	<a href="#">View Submissions</a> <a href="#">Delete Assignment</a>
4	3rd Semester	2023-01-03 00:00:00	<a href="#">View Submissions</a> <a href="#">Delete Assignment</a>

## Create New Assignment By Teacher



[Dashboard](#) [View Assignments](#) [Link](#) [Logout](#)

Assignment Name

Semester

Submission Date

Question	Mark	Action
<input type="text" value="Enter The Question"/>	<input type="text" value="Enter Marks"/>	<a href="#">Add More</a>

[Save](#)

## View Questions of the Assignment

WhatsApp diagrams.net phpMyAdmin View-Question

127.0.0.1:8000/viewQuestion/15

Market GovService Study job Udemyl BK LeetCode GitHub WhatsApp Telegram Web HackerEarth Internshala LinkedIn Welcome To Colab... Laravel 9 CRUD Exa...

Back QUESTIONS Log Out

what is lol Marks: 3

Write Your Answer Here.

what is what? Marks: 2

Write Your Answer Here.

Add Attachment Choose File No file chosen

Submit

15° ENG IN 00:01 21-01-2023

## To View Submitted assignment and respective scores

WhatsApp diagrams.net phpMyAdmin Submitted-Assignments

127.0.0.1:8000/submitted-assignments

Market GovService Study job Udemyl BK LeetCode GitHub WhatsApp Telegram Web HackerEarth Internshala LinkedIn Welcome To Colab... Laravel 9 CRUD Exa...

Assignment Submission System

assignment7 Score

Assignment Submitted on: 2023-01-20 14:22:47

Assignment1 Score

Assignment Submitted on: 2023-01-19 15:29:58

Marks Obtain ✓

This Assignment Has not checked yet.

15° ENG IN 00:02 21-01-2023

## View of Ongoing Assignments in Student Module

The screenshot shows a web browser window with the 'Assignment Submission System' dashboard. The browser tabs include WhatsApp, diagrams.net, phpMyAdmin, and dashboard. The address bar shows the URL 127.0.0.1:8000/dashboard. The dashboard has a green header with the system name and a hamburger menu icon. Below the header, there are three assignment cards, each with a blue header and a light blue body. Each card has a 'View Details' button with a user icon.

Assignment Name	Due On
assignment7	2023-01-26 21:15:27
Assignment-6	2023-01-31 12:23:56
Assignment1	2023-01-31 08:04:24

## Student Profile

The screenshot shows a web browser window with the 'Submitted-Assignments' page. A 'Student Details' modal is open, displaying the profile of a student. The modal has a white background and a dark green header with the title 'Student Details' and a close button. The student's details are listed in a table format. The background shows a dark sidebar with navigation links and a 'Log Out' button.

Field	Value
Full Name	Biraj Khound
Email Address	birajkhound@bk
Address	Joypur
Semester	2
Core Subject	Computer Science
Roll-No	4
Date Of Birth	2022-12-19
Gender	male <input checked="" type="radio"/> female <input type="radio"/> other <input type="radio"/>

## **CONCLUSION**

The currently implemented Assignment Management System provides instructors and students powerful features to handle assignments. The friendly HTML pages allow users to work easily and conveniently. The utilization of DBMS produces high system efficiency in data manipulation. Cross platform attributes of Perl and MySQL make it a portable system on most operating systems with slight modifications. In addition, the system security is strengthened by multiple security schemes. The database design is very important during implementation because the database structure can significantly affect system efficiency and flexibility. Currently, the database structure is constructed in a very flexible manner, so that new data attributes or items can be easily added to the system without changing current structure significantly. For further implementation, more features can be added to the system, such as the management of backup data or disaster recovery. More information could be explored according to users' requirements.

## **REFERENCES**

### **WEB LINKS :**

- [https://www.w3schools.com/bootstrap5/bootstrap\\_buttons.php](https://www.w3schools.com/bootstrap5/bootstrap_buttons.php)
- <https://getbootstrap.com/>
- <https://fontawesome.com/>
- <https://stackoverflow.com/>
- <https://www.geeksforgeeks.org/>
- <https://stackoverflow.com/questions/9436534/ajax-tutorial-for-post-and-get>
- <https://youtube.com/watch?v=Y4rG-zTNuro>
- <https://www.getbootstrap.com/docs/4.0/components/navbar/>
- <https://www.laravel.com/docs/9.x/>
- <https://www.w3schools.com/php>
- <https://www.tutorialrepublic.com/twitter-bootstrap-tutorial/bootstrap-navbar.php>
- <https://www.javatpoint.com/php-tutorial>
- <https://www.javatpoint.com/php-file-upload>
- <https://getbootstrap.com/docs/4.5/getting-started/javascript/>
- <https://api.jquery.com/category/ajax/global-ajax-event-handlers/>
- [https://www.w3schools.com/jquery/jquery\\_callback.asp](https://www.w3schools.com/jquery/jquery_callback.asp)
- <https://stackoverflow.com/questions/9436534/ajax-tutorial-for-post-and-get>
- <https://youtube.com/watch?v=Y4rG-zTNuro>
- <https://stackoverflow.com/questions/5004233/jquery-ajax-post-example-with-php>
- <https://code.tutsplus.com/tutorials/how-to-use-ajax-in-php-and-jquery--cms-32494>

