# **Online Examination System**

A Project Report

Submitted in partial fulfillment of the requirements

Of

...... APPLIED CLOUD COMPUTING FOR FULL STACK WEB DEVELOPMENT. .....

Submitted By,

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Under the Esteemed Guidance of

Mrs.R.UMA MAHESHWARI

# **ACKNOWLEDGEMENT**

We would like to take this opportunity to express our deep sense of gratitude to all individuals who helped us directly or indirectly during this thesis work.

Firstly, we would like to thank my supervisor, Mrs.R.UMA MAHESHWARI for being a great mentor and the best adviser I could ever have. Her advice, encouragement and critics are source of innovative ideas, inspiration and causes behind the successful completion of this dissertation. The confidence shown on me by him was the biggest source of inspiration for me. It has been a privilege working with him from last Two months. she always helped me during my thesis and many other aspects related to academics. Her talks and lessons not only help in thesis work and other activities of college but also make me a good and responsible professional.

# **ABSTRACT**

Online Examination System project focuses mainly on planning online MCQ examinations. To be more precise, the system helps to keep track of MCQs, and their respective answers. Also, the system displays all the available exam questions with given choices. In addition, the system allows online student registration. Evidently, this project contains an admin panel with a student panel as well. In an overview of this web application, students have to register in order to use the services. Here, students can view simply start the examination at any time period. In terms of examination, he/she can have to click on the correct check box regarding the MCQ examination. At last, the system displays the total score of the student. Besides, the user can check all the answers at the end of each test. The Online Examination System project in PHP MySQL is a sophisticated web-based application designed to facilitate the seamless conduction and management of multiple-choice question (MCQ) exams. The system addresses the need for a reliable, secure, and user-friendly platform for both administrators and students.

The project features two main panels: the Admin Panel and the Student Panel. The Admin Panel empowers administrators with complete control over the system, allowing them to manage MCQs, users, and exam-related functionalities. Notably, the system incorporates a robust question management system, enabling the administrator to set up questions, options, and correct answers efficiently. Additionally, the admin can oversee and manage registered users through a simplified dashboard.

The Student Panel offers a straightforward user experience, requiring students to register before accessing exam services. Upon registration, students can initiate exams at their convenience. During

examinations, students interact with the system by selecting correct answers from the provided MCQ options. At the conclusion of each test, the system displays the total score achieved by the student.

Key features of the Online Examination System include an intuitive user interface, real-time examination capabilities, and result display. The implementation incorporates PHP for server-side scripting and MySQL for efficient data management. The project utilizes the Bootstrap framework to enhance the user interface, ensuring a visually appealing and responsive design.

This project report explores the system's development, features, and methodology. It delves into the literature survey, highlighting relevant concepts and technologies. The proposed methodology details the rationale behind the selection of PHP and MySQL, as well as the incorporation of essential features such as the Admin Panel and Student Panel.

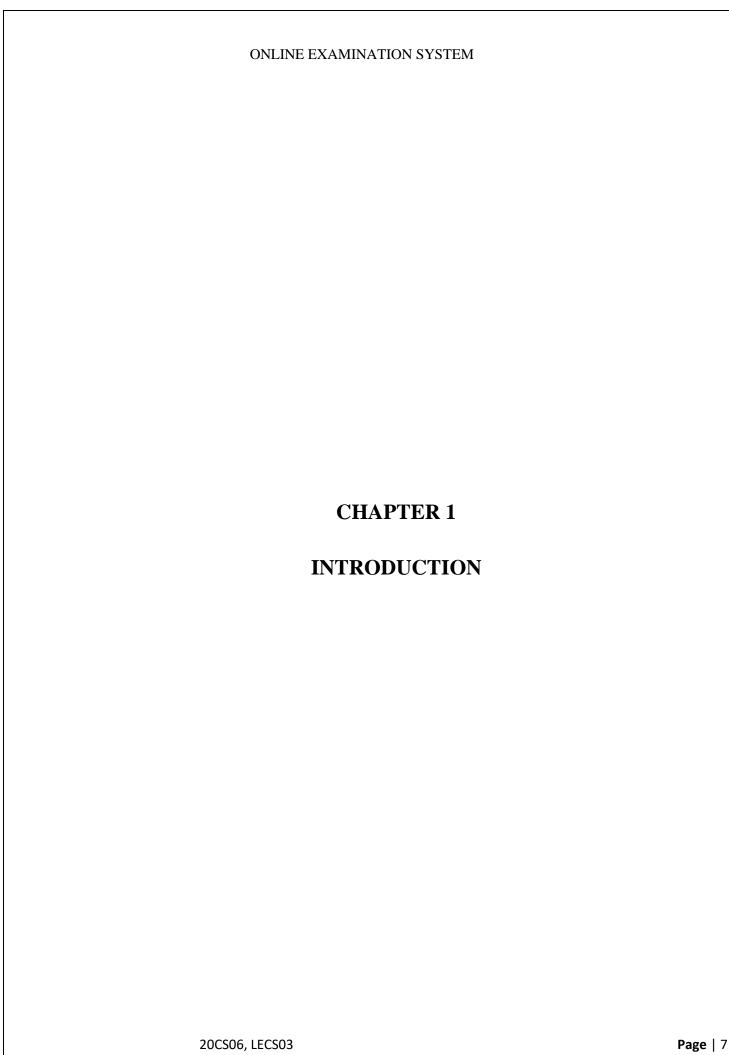
The Implementation and Results chapter discusses the practical aspects of the project, emphasizing key features like the Admin Panel, Student Panel, and Question Management. The report concludes with insights into the system's achievements and suggestions for future enhancements.

The Online Examination System project represents a valuable contribution to the realm of online education and examination management. Its intuitive design, robust features, and potential for further development make it a noteworthy solution for educational institutions seeking an efficient and user-friendly online examination platform.

# TABLE OF CONTENTS

Title	01
Acknowled	gement
Abstract	03
Chapter 1.	Introduction
1.1.	Problem Statement
1.2.	Problem Definition
1.3.	Expected Outcomes
1.4.	Organization of the Report
Chapter 2.	Literature Survey
2.1	Paper-1
2.2	Paper-2
2.3	Paper-3
2.4	Paper-4
Chapter 3.	Proposed Methodology
3.1	System Design
3.2	Implementation Plan
3.3	Specific Requirements
3.4	Technologies Used
Chapter 4.	Implementation and Results
4.1.	Implementation Phases
4.2.	Results
Chapter 5.	Conclusion

5.1. Advantages
5.2. Scope
5.3. Implementation Challenges and Solutions
5.4. Future Directions and Innovations
Github Link
Video Link
References
Sample Code
Screenshots



#### 1.1 Problem Statement:

The landscape of education is undergoing a significant transformation with the integration of technology. However, the conventional examination system remains rooted in traditional pen-and-paper methods, presenting a range of challenges. The logistics of conducting exams in physical spaces, the consumption of valuable resources, and the limited accessibility for remote learners highlight the need for an innovative solution. The absence of a robust online examination system contributes to inefficiencies in the assessment process.

#### 1.2 Problem Definition:

The core problem revolves around the inadequacy of traditional examination systems to meet the demands of a rapidly evolving educational environment. The lack of a comprehensive online platform results in scalability issues, limited accessibility, and an intricate administrative framework. Furthermore, the absence of real-time monitoring and analytical tools hinders the ability to ensure the integrity of the examination process and glean actionable insights into student performance.

## 1.3 Expected Outcomes:

The Online Examination System project in PHP MySQL aspires to deliver a multitude of transformative outcomes:

1. Efficiency in Examination Processes: The project endeavors to streamline the entire examination workflow, alleviating the administrative burden and fostering a more efficient system.

- 2. Enhanced User Experience: Through the creation of a user-friendly interface, catering to the needs of both administrators and students, the system aims to provide a seamless and intuitive experience throughout the examination life cycle.
- 3. Improved Question Management: A robust question management system within the Admin Panel is anticipated to revolutionize the secure handling of multiple-choice questions, options, and correct answers, ensuring a reliable examination environment.
- 4. Real-time Exam Experience: The flexibility for students to initiate exams at their convenience, coupled with real-time interactions with the system, promises to create a dynamic examination experience.
- 5. Comprehensive Result Analysis: The system is meticulously designed to empower administrators with in-depth analytics, allowing them to gain nuanced insights into student performance and make data-driven decisions for future improvements.

## **1.4 Organization of the Report**:

This comprehensive report unfolds across various chapters, each delving into a specific facet of the Online Examination System project:

Chapter 1: Introduction: Provides an overarching view of the project, elucidating the problem statement, defining the problem, and presenting the expected transformative outcomes.

Chapter 2: Literature Survey: Undertakes an extensive review of existing literature, exploring the gamut of concepts, technologies, and best practices that underpin online examination systems.

Chapter 3: Proposed Methodology: Details the chosen methodology for the project, expounding on the rationale behind selecting PHP and MySQL, and outlining the intricate features that form the backbone of the system.

Chapter 4: Implementation and Results: Unveils the practical implementation of the project, offering a deep dive into the key features such as the Admin Panel, Student Panel, and Question Management. It also presents a thorough analysis of the obtained results and system performance.

Chapter 5: Conclusion: Culminates the journey by summarizing the achievements of the project, reflecting on the insights gained, and propounding potential avenues for future enhancements.

This meticulously organized report aims to provide a comprehensive narrative of the Online Examination System project, from its conceptualization to its implementation, promising profound implications for the educational landscape.

ONLINE EXAMINATION SYSTEM	
CHAPTER 2	
LITERATURE SURVEY	
20CS06, LECS03	<b>Page</b>   11

#### **CHAPTER 2**

#### LITERATURE SURVEY

# **2.1 Paper-1**

## 2.1.1 Brief Introduction of Paper:

Title: "The Design and Implementation of Online Examination System with Characteristics of Cloud Service [D]"

Author: Chen Ying-ying

Year: 2013

Source: Beijing University of Posts and Telecommunications

Chen Ying-ying's paper focuses on the design and implementation of an online examination system, emphasizing the incorporation of cloud service characteristics. The study explores the integration of cloud computing into the traditional online examination framework, aiming to enhance scalability, accessibility, and overall system efficiency.

# 2.1.2 Techniques used in Paper:

The paper likely explores a variety of techniques related to cloud computing and online examination system design. Potential techniques include:

1. Cloud Service Integration: The paper may discuss the methodology used to integrate cloud services into the online examination system, highlighting the advantages and challenges of this approach.

2. Scalability: Techniques for ensuring the scalability of the system,

leveraging cloud resources to accommodate varying workloads during peak

examination times.

3. Security Measures: Addressing security concerns associated with cloud-

based systems, with a focus on securing examination data and ensuring the

integrity of the assessment process.

4. User Authentication and Access Control: Exploring techniques to

authenticate users securely and implement access controls within the cloud-

based examination system.

**2.2 Paper-2** 

**2.2.1** Brief Introduction of Paper:

Title: "The Design and Implementation of the Online Examination System

Based on MVC Model [D]"

Author: Bai Yi-chen

Year: 2012

Source: Shandong University

Bai Yi-chen's paper centers on the design and implementation of an online

examination system, specifically based on the Model-View-Controller (MVC)

architectural pattern. The MVC model is a widely used design pattern in

software development that separates an application into three interconnected

components: the model, the view, and the controller.

2.2.2 Techniques used in Paper:

The paper likely delves into various techniques related to MVC-based system

design:

1. MVC Architecture: Exploring the advantages of adopting the MVC model

in designing an online examination system, emphasizing the separation of

concerns and modular development.

2. User Interface Design: Discussing techniques for creating a user-friendly

interface using the MVC pattern, ensuring a clear separation between

presentation and business logic.

3. Scalability and Maintainability: Addressing how the MVC architecture

contributes to the scalability and maintainability of the online examination

system, facilitating future updates and enhancements.

**2.3 Paper-3** 

2.3.1 Brief Introduction of Paper:

Title: "Standardized Online Examination System Design and the Database

Construction [J]"

Author: Gui-ying Zhang

Year: 2012

Source: Journal of Inner Mongolia Agricultural University, vol. 33, no. 5–6,

pp. 222-225

Gui-ying Zhang's paper focuses on the design of a standardized online

examination system, with particular attention to the construction of the

20CS06, LECS03

Page | 14

underlying database. The study likely explores how a well-structured database

contributes to the standardization and efficiency of the online examination

process.

2.3.2 Techniques used in Paper:

The paper may involve various techniques related to standardized system

design and database construction:

1. Database Design Principles: Discussing principles of database design

relevant to an online examination system, including entity-relationship

modeling and normalization.

2. Standardization Strategies: Exploring techniques for standardizing the

examination process, ensuring consistency in question formats, grading

criteria, and overall assessment procedures.

3. Data Integrity and Security Measures: Addressing techniques for

maintaining data integrity within the database and implementing security

measures to protect sensitive examination data.

**2.4 Paper-4** 

2.4.1 Brief Introduction of Paper:

Title: "Application Research of Web Examination System Based on College

[J]"

Authors: Lu Chang and Xu Guang-ming

Year: 2012

Source: ELSERVER

Lu Chang and Xu Guang-ming's paper focuses on the application research of a web-based examination system tailored for college environments. The study likely investigates how the system caters to the unique needs and requirements of a college-level examination setting.

# 2.4.2 Techniques used in Paper:

The paper may involve a variety of techniques related to the application of a web-based examination system in a college context:

- 1. Customization for College Settings: Discussing techniques for customizing the web examination system to align with the specific requirements and dynamics of college-level assessments.
- 2. User Experience in a College Environment: Exploring techniques for optimizing the user experience, considering the diverse set of users in a college setting, including students, professors, and administrators.
- 3. Integration with College Systems: Addressing how the web-based examination system integrates with other college systems, such as student information systems and learning management systems.

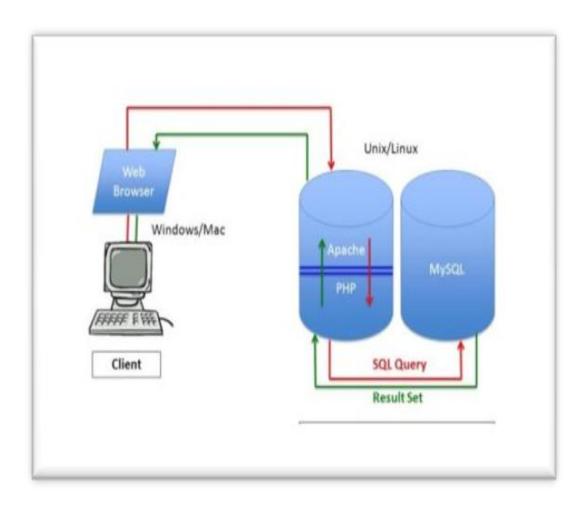
These literature survey entries provide a glimpse into the diverse research approaches and techniques used in the design and implementation of online examination systems, offering valuable insights for the development of the current project.

	ONLINE EXAMINATION SYSTEM	
	CHAPTER 3	
	PROPOSED METHODOLOGY	
20CS(	06, LECS03	Page   17

# 3.1 System Design

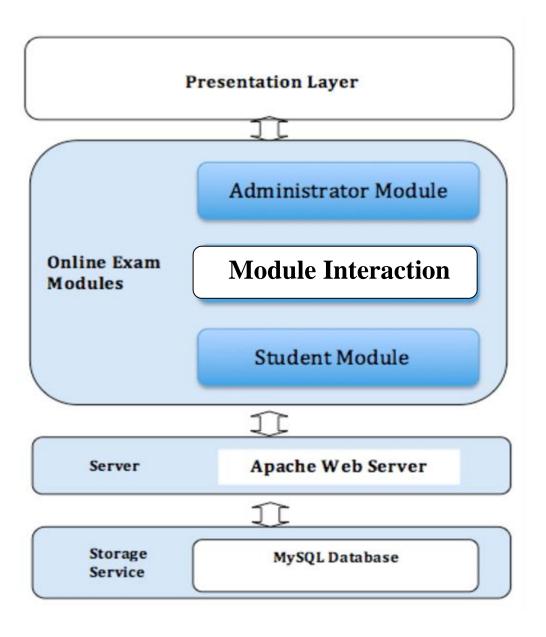
#### 3.1.1 Overview

The proposed methodology for the Online Examination System project revolves around a robust system design tailored to meet the specific requirements outlined in the project details. The system primarily focuses on facilitating online Multiple-Choice Question (MCQ) examinations, with distinct panels for administrators and students.

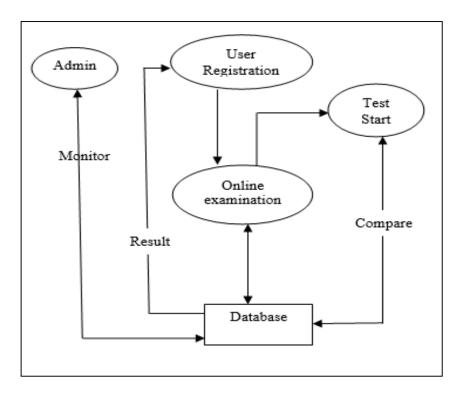


#### 3.1.2 Architectural Framework

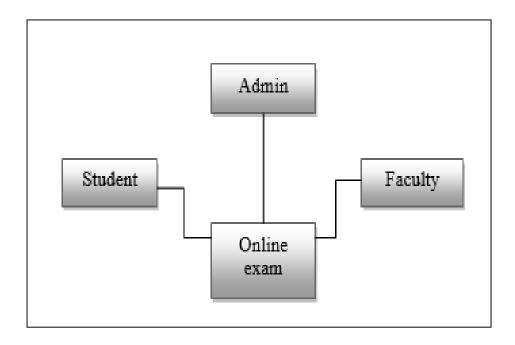
The system design adopts a streamlined architectural framework to ensure simplicity, ease of use, and efficient management of MCQ-based examinations. Leveraging PHP and MySQL, the architecture prioritizes a clean and simple design, with Bootstrap and Vanilla CSS enhancing the user interface elements for a seamless user experience.



# 3.1.2.1 Data Flow Diagram



# **3.1.2.2** Context Diagram



#### 3.1.3 User Panels

#### 3.1.3.1 Admin Panel

The Admin Panel provides administrators with comprehensive control over the system. Key features include:

Question Management: Administrators can set up MCQs by entering questions with four options and specifying the correct answer's number.

User Management: The admin has the ability to manage registered users, list them, and remove them if necessary.

#### 3.1.3.2 Student Panel

The Student Panel is designed for users who register to utilize the examination services. Key features include:

Examination Attendance: Students can initiate examinations at any time and answer MCQs by selecting the correct checkboxes.

Results and Analysis: At the end of each test, the system displays the total score of the student, and users can review all answers.

# 3.1.4 Dashboard Design

The system design incorporates a clean and simple dashboard with various color combinations to enhance the user experience. The dashboard serves as a central hub for users to navigate through the system's features seamlessly.

**3.1.5 Feature Integration** The system integrates various features to provide a comprehensive examination management experience. These features include:

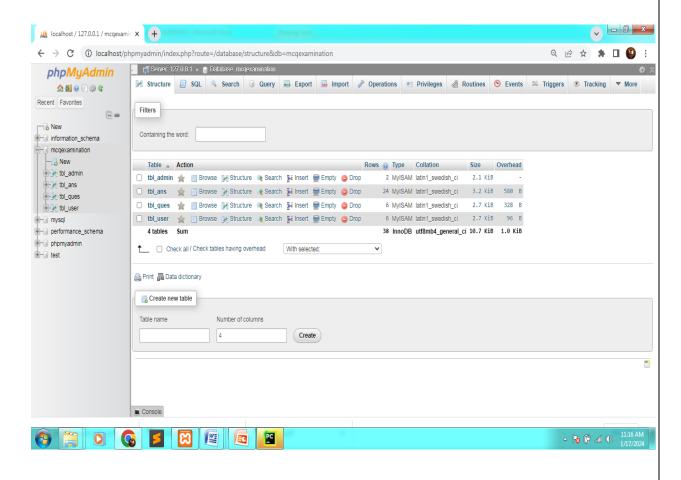
Admin Panel Management: Enables administrators to oversee question creation, user management, and other essential tasks.

Student Panel Features: Allows students to attend examinations, view their total scores, and review their answers after completing tests.

Profile Update: Both administrators and students can update their profiles, ensuring accurate and up-to-date user information.

## 3.1.6 Database Schema & design

The database design incorporates tables to store essential information, such as user details, questions, and examination results. The schema ensures efficient data retrieval and management during system operations.



#### 3.1.7 UI Elements and Frameworks

The user interface is enhanced through the integration of Bootstrap, a free open-source CSS framework, coupled with Vanilla CSS. This combination ensures a visually appealing and responsive design, contributing to an enhanced overall user experience.

# 3.2 Implementation Plan

## 3.2.1 Phased Approach

The implementation plan follows a phased approach to systematically develop and deploy the Online Examination System:

- 1. Phase 1: Database and UI Setup
  - Establishing the database schema.
  - Implementing basic UI elements using Bootstrap and Vanilla CSS.
- 2. Phase 2: Admin Panel Features
  - Developing question management functionalities for the admin panel.
  - Implementing user management features.
- 3. Phase 3: Student Panel Features
  - Enabling examination attendance for students.
  - Implementing result viewing and answer review features.
- 4. Phase 4: Dashboard Design and Integration

- Enhancing the dashboard design for a clean and simple appearance.
- Integrating various features into the dashboard.
- 5. Phase 5: Testing and Quality Assurance
- Conducting comprehensive testing, including unit testing, integration testing, and user acceptance testing.
  - Addressing any identified issues and ensuring system robustness.
- 6. Phase 6: Deployment and Training
- Deploying the Online Examination System.
- Conducting training sessions for administrators, instructors, and students to ensure effective system utilization

The proposed methodology outlines a tailored system design for the Online Examination System project, emphasizing simplicity, efficiency, and user-centric features. The phased implementation plan ensures a systematic development process, ultimately leading to the deployment of a user-friendly and effective examination management system

- The questions are shuffled in a random order so that possibilities for getting questions in the same order for the students who are sitting beside is very less.
- Can be used anywhere any time as it is a web based application.

# ONLINE EXAMINATION SYSTEM 3.3 Specific requirements **3.3.1 Software requirements Operating System** • Windows XP and others. **Front End** • Bootstrap **Back End** • MySQL **Browser** Any Browser 3.3.2 Hardware Requirements **Client Side: Browser** Any Browser **Processor:** Pentium 2.0 and above. **RAM:**

20CS06, LECS03 Page | 25

256 MB (min)

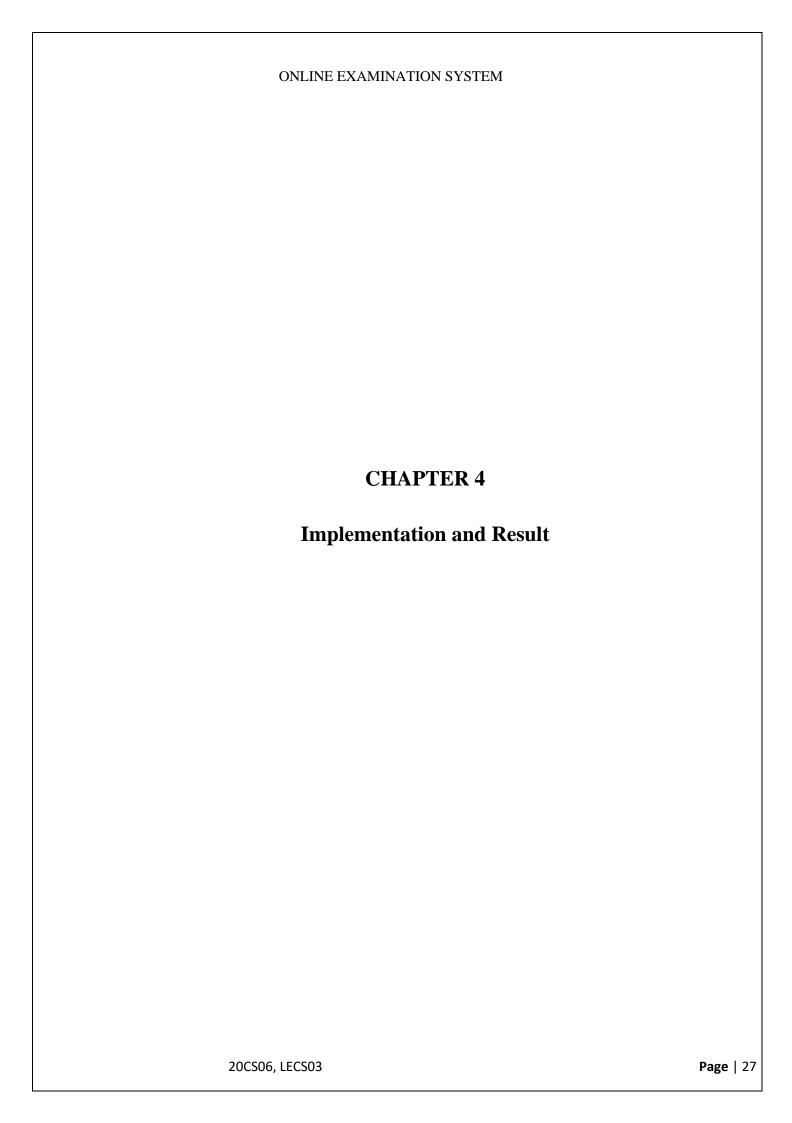
Processor:		
Pentium and above.		
RAM:		
512 MB (min)		
• Hard disk space : 4GB		
3.3.3 User Requirements		
Every user should be:		
• Comfortably work with computer.		
• He must also have basic knowledge of English.		
3.4. Technologies Used:		
Front end:		

• HTML, CSS, JAVASCRIPT, BOOTSTRAP(framework)

• PHP , MySQL

**Backend** 

**Server Side:** 



# **4.1 Implementation Phases**

# 4.1.1 Phase 1: Database and UI Setup

Objective: Establish the foundational components of the system.

#### Tasks:

- Design and implement the database schema.
- Set up basic UI elements using Bootstrap and Vanilla CSS.

# **Expected Results:**

- Completed database structure.
- Basic UI elements for subsequent feature integration.

#### **4.1.2 Phase 2: Admin Panel Features**

Objective: Implement key features for the Admin Panel.

#### Tasks:

- Develop question management functionalities.
- Implement user management features.

## **Expected Results:**

- Admin Panel allowing administrators to manage questions and users.

#### **4.1.3 Phase 3: Student Panel Features**

Objective: Enable features for students to participate in examinations.

#### Tasks:

- Implement examination attendance functionality.
- Enable result viewing and answer review features for students.

## **Expected Results:**

- Student Panel facilitating exam attendance and result review.

## 4.1.4 Phase 4: Dashboard Design and Integration

Objective: Enhance the dashboard for a clean and simple appearance.

#### Tasks:

- Improve dashboard design with various color combinations.
- Integrate various features seamlessly into the dashboard.

#### **Expected Results:**

- Dashboard with improved aesthetics and feature integration.
- 4.1.5 Phase 5: Testing and Quality Assurance

Objective: Ensure system robustness through comprehensive testing.

#### Tasks:

- Conduct unit testing for individual components.

- Perform integration testing to verify the interaction between different modules.
- User acceptance testing involving end-users to validate functionality.

# **Expected Results:**

- Identified and addressed issues, ensuring a stable system.
- 4.1.6 Phase 6: Deployment and Training

Objective: Deploy the Online Examination System and conduct training sessions.

#### Tasks:

- Deploy the system to the server environment.
- Conduct training sessions for administrators, instructors, and students.

#### **Expected Results:**

- Operational Online Examination System accessible to users.
- Users trained to effectively utilize the system.

# 4.2 Results

# **4.2.1 System Functionality**

Upon completion of the implementation phases, the Online Examination System will exhibit the following key functionalities:

Admin Panel Features:

- Effective question management allowing the creation and editing of multiple-choice questions.
- User management capabilities, including the ability to list and remove users.

#### **Student Panel Features:**

- Seamless attendance of online examinations.
- Clear display of total scores and the ability to review answers postexamination.

# Dashboard Design:

- A visually appealing and user-friendly dashboard with various color combinations.

## Feature Integration:

- Integration of all features into the dashboard for a cohesive user experience.

#### **4.2.2 Testing Results**

## Unit Testing:

- Successful validation of individual components ensuring they function as intended.

#### **Integration Testing:**

- Verification of smooth interactions between different system modules.

User Acceptance Testing (UAT):

- Positive feedback from end-users, indicating satisfaction with the system's functionality and usability

## **4.2.3 Deployment and Training Results**

## Deployment:

- Successful deployment of the Online Examination System to the server environment.

## Training:

- Users equipped with the knowledge and skills to effectively utilize the system.

The phased implementation approach ensures a systematic and efficient development process for the Online Examination System. The expected results highlight the successful integration of features, a stable and reliable system, and user satisfaction following testing and deployment. This chapter provides a roadmap for tracking progress and assessing the outcomes of the implementation process.

# **CHAPTER 5**

**CONCLUSION** 

# 5.1 Advantages

## **5.1.1 Enhanced Efficiency and Automation**

The Online Examination System project in PHP MySQL introduces a paradigm shift in examination processes, significantly enhancing efficiency and automating various cumbersome administrative tasks. Traditional methods involving physical question paper distribution and collection are replaced by seamless online workflows, reducing the overall workload on administrators.

## 5.1.2 Increased Accessibility and Flexibility

One of the pivotal advantages of the project lies in its ability to provide increased accessibility and flexibility for both administrators and students. The system caters to the needs of a global and diverse student population, allowing them to participate in exams remotely. This adaptability ensures inclusivity and accommodates varying schedules, making education more accessible.

# 5.1.3 Robust Real-time Monitoring and Security Measures

The incorporation of real-time monitoring features, including webcam-based surveillance during exams, elevates the security standards of the assessment process. This proactive approach not only deters malpractices but also ensures the integrity of the examination. Additional security measures, such as encrypted question storage, fortify the system against unauthorized access.

# 5.1.4 Comprehensive Analytics for Informed Decision-making

The project empowers administrators with the ability to generate comprehensive analytics, offering valuable insights into student performance and assessment trends. These analytics serve as a foundation for informed decision-making, allowing administrators to identify strengths and weaknesses in the examination process and make data-driven improvements.

# 5.1.5 User-friendly Interface for Enhanced User Experience

A key emphasis of the Online Examination System project is its commitment to providing a user-friendly interface. The system's intuitive design and responsive features contribute to a positive user experience for both

administrators and students. This user-centric approach reduces the learning curve, fostering widespread adoption and satisfaction.

# 5.2 Scope

## 5.2.1 Educational Institutions of Varied Types

The scope of the project extends across a spectrum of educational institutions, ranging from traditional schools and colleges to modern online learning platforms. Its versatility allows it to adapt to the unique needs and structures of different educational entities, facilitating a seamless integration into diverse academic settings.

## **5.2.2** Corporate Training and Certification Programs

Beyond academic institutions, the project finds applicability in corporate settings for training programs and certification examinations. Its flexibility and scalability make it an ideal solution for organizations seeking efficient and secure methods to assess employees or external candidates.

## **5.2.3 Continuous Learning Platforms**

In the era of continuous learning, where online courses and certifications are prevalent, the project aligns with the needs of platforms facilitating ongoing education. It serves as a reliable tool for assessing participants' comprehension and knowledge acquisition in various subjects and domains.

#### **5.2.4 Government Recruitment Examinations**

The scalability of the Online Examination System makes it suitable for largescale government recruitment processes. It provides a robust platform for managing and conducting examinations, ensuring fair and secure assessments for candidates competing for government positions.

# 5.2.5 Potential for Ongoing Development

The project's scope is not static; it harbors the potential for continual development. Future enhancements may include seamless integration with learning management systems (LMS), multi-language support to cater to diverse user bases, and the incorporation of advanced analytics for even more nuanced performance evaluations.

#### 5.2.6 Impact on Educational Landscape

Beyond its immediate scope, the project holds the promise of positively influencing the broader educational landscape. By setting new standards for efficiency, security, and analytics in assessments, it contributes to the ongoing evolution of educational practices in the digital era.

## 5.3 Implementation Challenges and Solutions

## **5.3.1 Technical Challenges**

While implementing the Online Examination System, various technical challenges may arise, including server load issues, database management complexities, and integration hurdles. Robust server infrastructure and effective load balancing mechanisms can address server-related challenges, while a well-designed database schema and optimization techniques can mitigate database management complexities.

## **5.3.2 Security Concerns**

Security is a paramount consideration in any online examination system. Challenges may include potential hacking threats, data breaches, and unauthorized access. Implementing stringent security protocols, including encryption techniques, secure authentication mechanisms, and regular security audits, can address these concerns and fortify the system against potential vulnerabilities.

# 5.3.3 User Adoption

The successful implementation of the project relies on user adoption. Resistance to change, especially among administrators accustomed to traditional methods, may pose a challenge. Training programs, workshops, and ongoing support can help overcome resistance and facilitate a smooth transition to the new system.

#### **5.4 Future Directions and Innovations**

## 5.4.1 Integration with Emerging Technologies

The future of the Online Examination System project involves integrating with emerging technologies such as artificial intelligence (AI) and machine learning (ML). These technologies can enhance the system's capabilities in areas such as automated grading, adaptive testing, and advanced analytics.

## 5.4.2 Blockchain for Enhanced Security

The utilization of blockchain technology can further enhance the security and transparency of the examination system. Blockchain's decentralized and tamper-resistant nature can be leveraged to secure examination records, prevent tampering, and ensure the authenticity of results.

## 5.4.3 Gamification Elements for Engagement

Incorporating gamification elements into the examination process can enhance student engagement. Features such as badges, rewards, and interactive elements can make the assessment experience more enjoyable and motivate students to actively participate.

#### **5.4.4 Global Collaboration in Assessment**

The project's scope can extend globally through collaboration with educational institutions, organizations, and governments worldwide. Establishing standardized assessment practices and sharing insights across borders can contribute to the improvement of education on a global scale.

## 5.5 Conclusion

In conclusion, the Online Examination System project not only offers immediate advantages in terms of efficiency, security, and user-friendliness but also possesses a broad and dynamic scope. As it addresses challenges and evolves to embrace future innovations, it stands poised to make a lasting impact on educational practices. The inclusion of implementation challenges and future directions adds depth to our understanding of the project's complexity and potential, reinforcing its significance in the ongoing transformation of education.

Github Link
https://github.com/ArunRGS/Online-Examination-System.git
Video I inte
Video Link
https://drive.google.com/file/d/1BQPb8bofiRPg57NONZx3nrdm3tXIj4wP/vi
ew?usp=sharing

- References .....
  - ✓ Chen Ying- ying , "The Design and Implementation of Online Examination System with Characteristics of Cloud Service [D]", Beijing University of Posts and Telecommunications, 2013.
  - ✓ Bai Yi- chen , "The Design and Implementation of the Online Examination System Based on MVC Model [D]", Shandong University, 2012.
  - ✓ Gui-ying Zhang, "Standardized Online Examination System Design and the Database Construction [J]", Journal of Inner Mongolia *Agricultural University*, vol. 33, no. 5–6, pp. 222-225, 2012.
  - ✓ Lu Chang and Xu Guang-ming, "Application Research of Web Examination System Based on College [J]", *ELSERVER*, 2012.

**Page** | 38

Sample code .....

```
C:\xampp\htdocs\OnlineExamination-PHP\profile.php (OnlineExamination-PHP) - Sublime Text (UNREGISTERED)
File Edit Selection Find View Goto Tools Project Preferences Help
  ▼ 🗃 OnlineExamination-PHP
                                                     'inc/header.php'; ?>
   ▼ 📄 admin
                                      Session::checkSession();
$userId = Session::get("userId");
    → 🛅 css
    ▶ 🛅 img
     ▶ III inc
                                    <?php
if ($_SERVER['REQUEST_METHOD'] == 'POST') {
    $userProfile = $user->getUserPData($userId, $_POST);
      index.php
      login.php
      🗋 quesadd.php
      🖺 queslist.php
      users.php
   ▼ 🖮 classes
      Admin.php
                                         Exam.php
                                                  Process.php
      User.php
   ▶ config
                                                      if (isset($userProfile)) {
    echo $userProfile;
   ▶ 🛅 css
   ▶ 🗎 helpers
   ▶ 🛅 img
   ▶ III inc
   ▶ IIII is
   ▶ 🛅 lib
   ▶ 📗 vendor
                                                  <div class="col-lg-4">
     exam.php
     inal.php
     getlogin.php
     🗋 getregister.php
     index.php
    profile.php
                                                  <div class="col-lg-4">
    <form action="" method="post">
     register.php starttest.php
                                                           <?php
$getData = $user->getUserProfile($userId);
     test.php
                                                            if ($getData) {
                                                                     PC
-
                                                                                                                                                             △ 🎉 🖫 📶 🌓 11:50 AM
                                           8
                                                          EC
```

# Exam.php

```
<h1 class="mt-5">You can start your exam</h1>
         Take your time. Click Start Exam when
you are ready.
         <img src="img/takeTest.png" height="200"</pre>
width="200"/>
         <br/>
         <br/>br/>
         <a href="starttest.php" class="btn btn-success btn-lg">
           <span class="fa fa-arrow-right"></span> Start Exam
Now!
         </a>
         <br/>>
         <br/>>
       </div>
    </div>
  </div>
Starttest.php
<?php include 'inc/header.php'; ?>
<?php
 Session::checkSession();
 $question = $exam->getQuestion();
        = $exam->getTotalRows();
 $total
```

```
?>
  <div class="container">
    <div class="row">
      <div class="col-lg-12 text-center">
        <h1 class="mt-5">Welcome to Online Examination</h1>
        Test Your Knowledge
        <br/>>
        Total Number Of Question:
</strong><b><?php echo $total; ?></b>
        <strong>Question Type: </strong>Multiple
Choice (MCQ)
        <a href="test.php?q=<?php echo $question['quesNo']; ?>"
class="btn btn-success btn-lg">
          <span class="fa fa-arrow-right"></span> Proceed
        </a>
        <br/>
        <br/>>
      </div>
    </div>
```

```
</div>
Test.php
<?php include 'inc/header.php'; ?>
<?php
Session::checkSession();
if (isset($_GET['q'])) {
     $quesnumber = (int) $_GET['q'];
}else{
     header("Location:exam.php");
}
        = $exam->getTotalRows();
$question = $exam->getQuestionNumber($quesnumber);
?>
<?php
if ($_SERVER['REQUEST_METHOD'] == 'POST') {
     $process = $pro->getProcessData($_POST);
}
?>
```

```
<div class="container">
    <div class="row">
      <div class="col-lg-12 text-center">
        <h1 class="mt-5">Question <?php echo
$question['quesNo']." of ". $total; ?></h1>
        <br/>
        <br/>>
      </div>
      <div class="col-lg-3">
      </div>
      <div class="col-lg-6">
        <form method="post" action="">
          <h3>Question <?php echo
$question['quesNo'].": ".$question['ques']; ?></h3>
```

20CS06, LECS03

**Page** | 43

```
<?php
              $answer = $exam->getAnswer($quesnumber);
              if ($answer) {
                while ($result = $answer->fetch_assoc()) {
                   ?>
                   <div class="form-check">
                          <label class="form-check-label">
                            <input type="radio" name="ans"</pre>
class="form-check-input" value="<?php echo $result['id']; ?>"
/><?php echo $result['ans']; ?>
                          </label>
                       </div>
                           <input type="radio" name="ans"</pre>
<!--
value="--><?php //echo $result['id']; ?><!--" />--><?php //echo
$result['ans']; ?>
                     <?php } } ?>
              <tr>
```

```
<br/>br/>
                  <input type="submit" name="submit"</pre>
class="btn btn-primary" value="Continue" />
                  <input type="hidden" name="quesnumber"</pre>
                      value="<?php echo $quesnumber; ?>" />
                </form>
         <br/>br/>
         <br/>>
       </div>
       <div class="col-lg-3">
       </div>
    </div>
  </div>
```

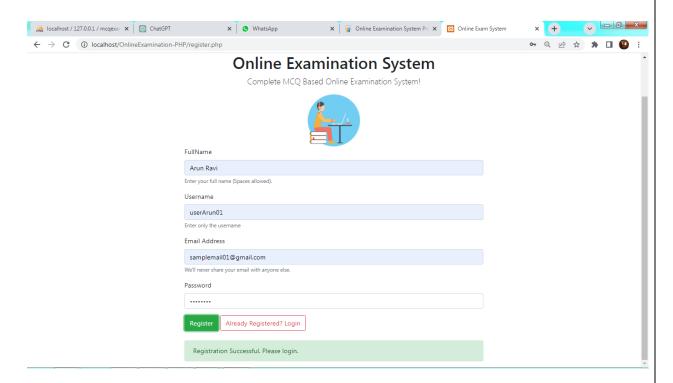
Screenshots.....

Here, we have 2 sections

- Student section
- Admin section

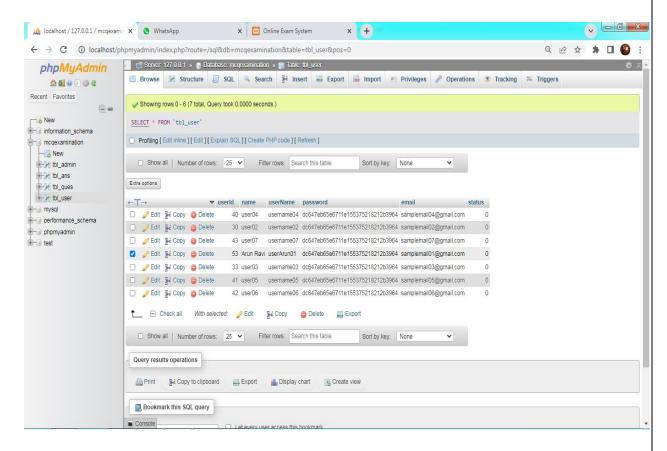
## STUDENT SECTION

First register the user, then make login

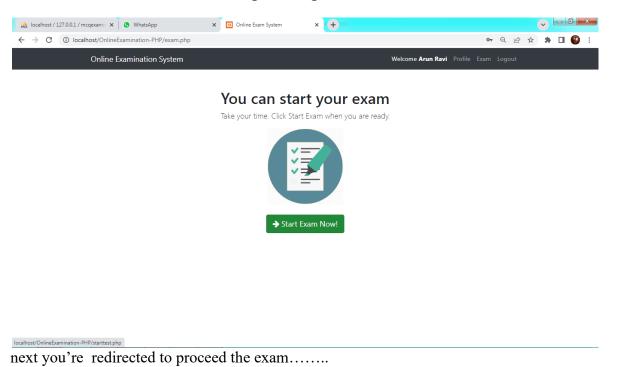


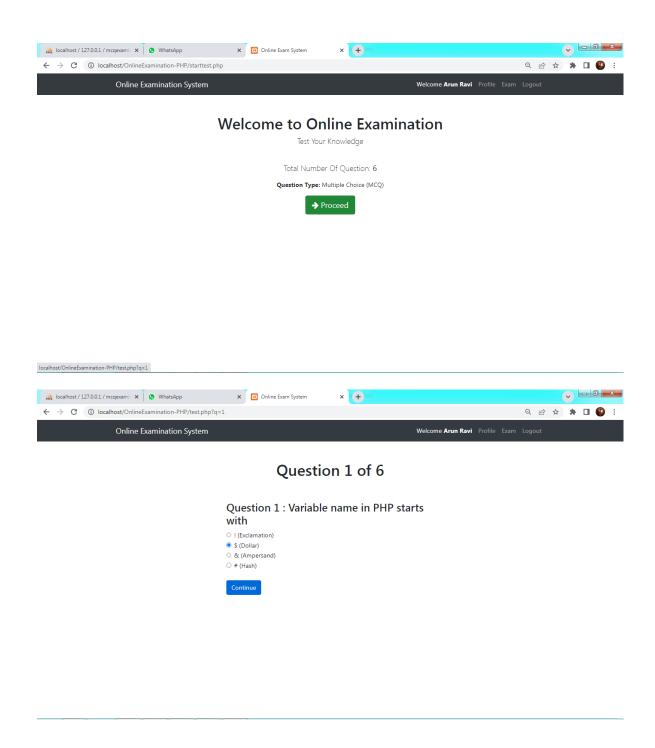
## User added!

Let's check the database table.....

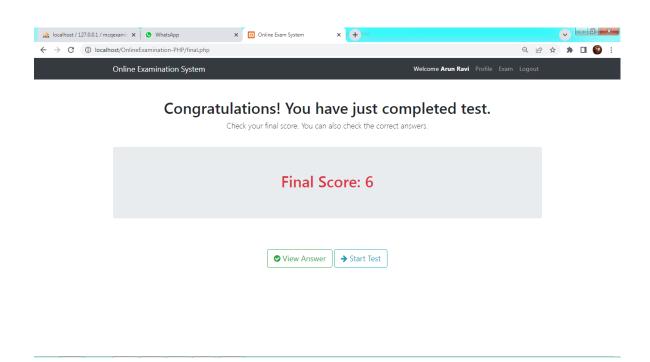


Yes, it's added....then make login using the same credentials',

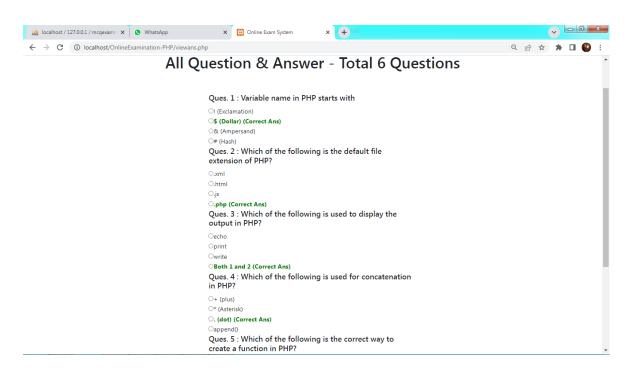




After answering all questions, finish the examination and you're score will be displayed....

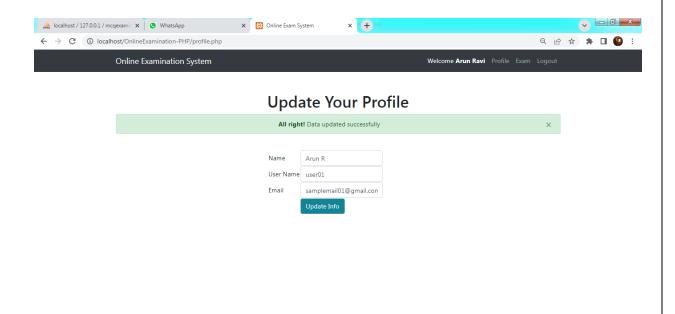


You're also able to view the answers and retake the examination

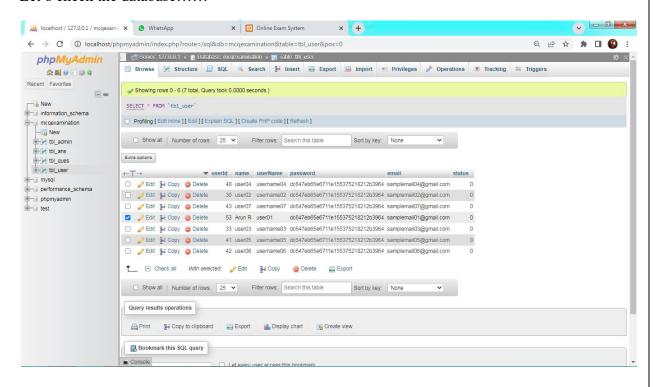


If you want to retake the test, then click the start test button below the answers....or else logout

In Student section, you're also able to update your profile details

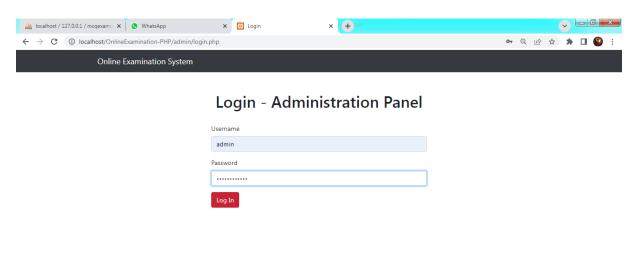


Let's check the database......



Its successfully updated!

#### **ADMIN SECTION**



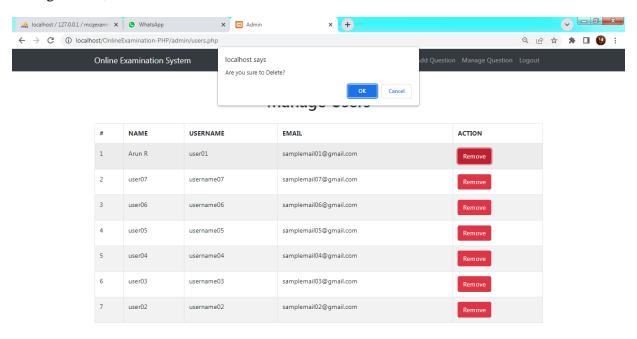
After successful login, admin is redirected to a page, having five control options...



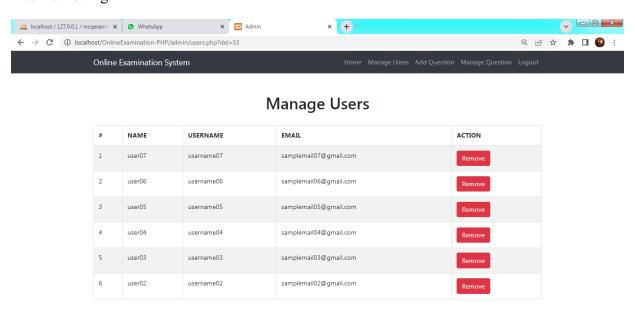
### Welcome to Exam Control Panel - Admin



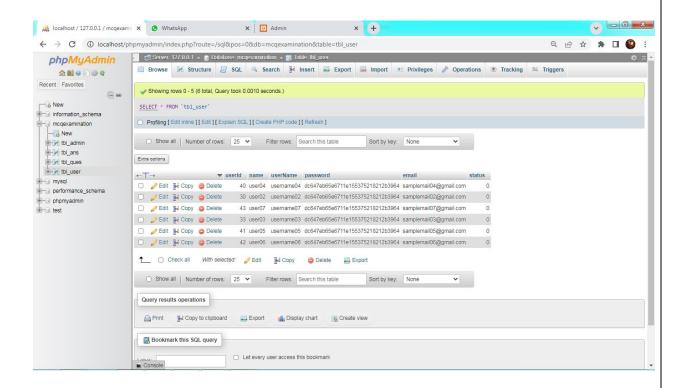
### Manage users;



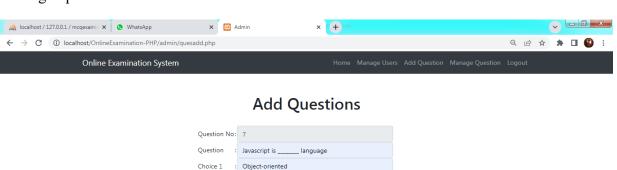
## After removing the user.....



User is successfully deleted! Let's check the database......



## Adding a question.....



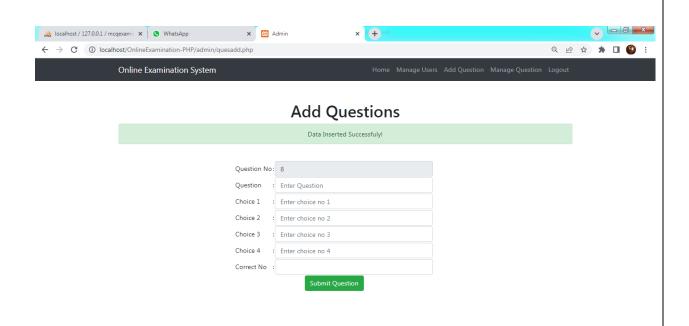
Choice 2 : Object-based

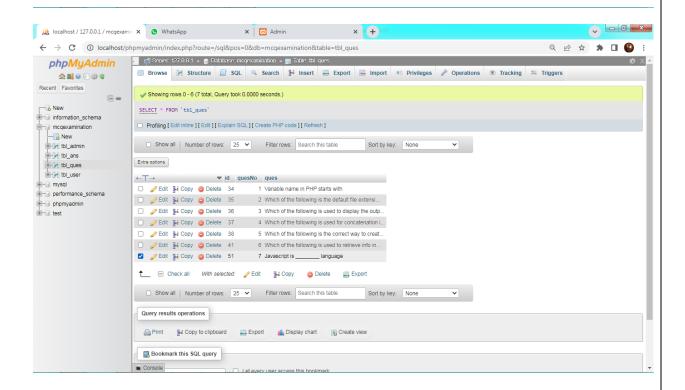
Procedural

None of the above

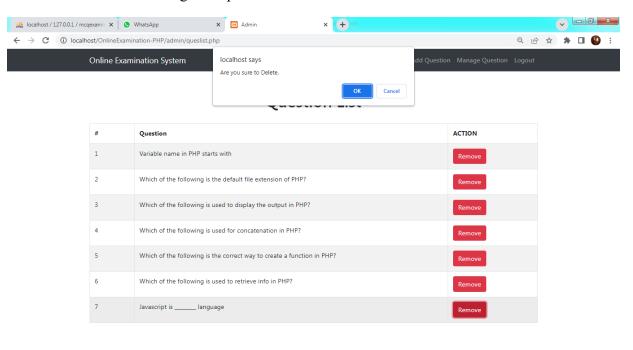
Choice 3 :

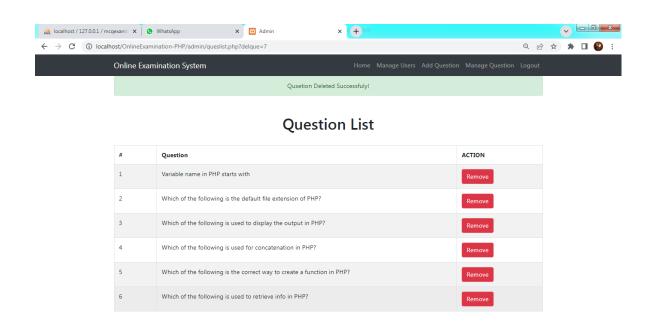
Choice 4 :



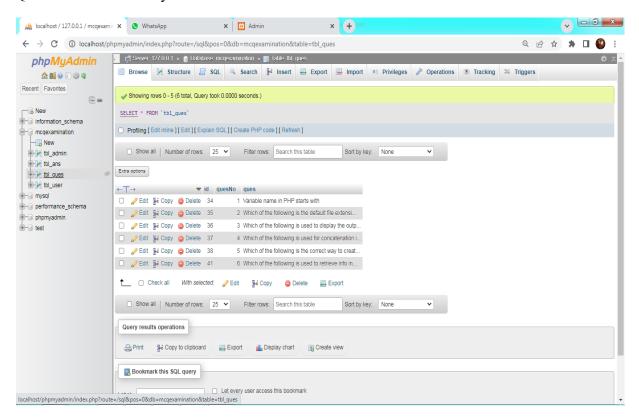


Admin is also able to manage the questions......





Question is successfully removed! Let's check the database......



Answers for the questions are stored like the below format

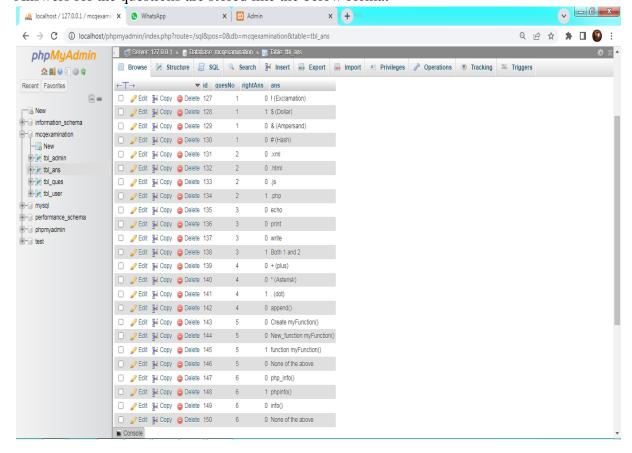


Table admin stores login credentials of admin....

