WEEKLY CLASS REVISION CUSTOM QUIZ GENERATOR

A PROJECT REPORT

Submitted by

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BONAFIDE CERTIFICATE

Certified that this project report **"Weekly Class revision Custom Quiz Generator"** is the bonafide work of **Adnan Ahmad, Anshuman Sharma, Krishan Dev Ojha, Ronald Jacob** who carried out the project work under my/our supervision.

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INTERNAL EXAMINER

EXTERNAL EXAMINER

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1. INTRODUCTION

Online test material providers should concentrate on developing strong assessment questions and giving students timely feedback on their exams. Within the article, we offer methods related to the components of the evaluation procedure: submitting responses, using computerised grading, and providing comments following submission.

The coordination of people, goods, and computers in a modern organisation becomes crucial as these days' organisations are automated and computers follow instructions.

The administrator, teacher, Through the use of this project, students enrolled in online exams can interact with the system, enabling efficient implementation and oversight of the various activities associated with online exams, such as scheduling exams and sending results to the appropriate user or student. Additionally, the administrator maintains the information on the students that attempted the online exam.

1.1 Existing System

The current system is a manual one, where users keep books to record data such as student and instructor details, schedule details, and comments about students who showed up for their exams on time. Maintaining historical data is really hard.

1.2 Scope of Work

In addition to benefiting the entire world in this age of digitization, technological improvements have also benefited the educational sector. With the advent of online exam software, the traditional evaluation method was superseded. With computer-based examinations, the numerous examination conducting agencies can now assess test takers freely and affordably. The article of today talks about the goals and reach of an online testing system.
Before we continue, let's clarify what online examination software is. This type of software enables users to take online examinations and produces results automatically based on the marks they receive.
Now let's talk about the rationale behind the addition of online exams to the list of evaluation methods.

- **Conduct exams effortlessly:**
  Users can administer exams with ease when using computer-based examinations as an assessment tool. Exam software features including a user-friendly dashboard, compatibility for many languages, question kinds and formats, comprehensive reporting, and automatic quick results all contribute to a seamless administration process.

- **Reduce exam anxiety Amongst test takers:**
  Since computer-based exams are flexible and may be taken at any time of day that fits with the test taker's desired sleep/wake cycle, they help alleviate test anxiety.

- **Promote social interaction between the test taker and experts:**

Exam preparation with peers or experts is encouraged in an online setting because they can go over the material together. Exam software's ability to provide online assessments creates the actual basis for academic instruction by enabling student or teacher discussion.

- **Prevents cheatings:**
  One of the main disadvantages of pen and paper-based assessment is cheating among test-takers in the examination hall. Online exam management eliminates the potential for covertly employing unethical methods to obtain the correct answers. Exam software has multiple capabilities that discourage cheating, regardless of the test taker's location.

- **Reduce administrative burden:**
  Exam planning and administration done online saves money and time while also lessening the administrative load on a company. Pen and paper-based assessments have been supplanted with online exams, which aim to make evaluation large-scale but straightforward, affordable, and quick.

Exam management organisations have begun to favour computer-based exams in an effort to restore their faith in the assessment process. As a result, Pesofts' online exam software is among the most sophisticated available for administering exams.

1.3 Operating Environment

1.3.1 Hardware Specification

HARDWARE SPECIFICATION	
Client side	
RAM	512 MB
Hard Disk	40 GB
Processor	Intel Core Duo or higher
Server Side	
RAM	2 GB or higher
Hard Disk	80 GB or higher

1.3.3 Software Specification

Client side	
Operating System	Windows 7& above
Web Browser	IE 6 & above Mozilla Firefox 6 & above Google Chrome 6 & above
Server Side	
Operating system	Windows 7 & above
Database Server	SQL Server 2008& above

1.4 Detail Description of Technology Used:

- **PHP (Hypertext Preprocessor)**
  Originally created for web development, Hypertext Preprocessor is a general-purpose scripting language that is widely used.

- **PHP Advantages**
  Using PHP is a common option in the modern web world. PHP is a versatile programming language that works particularly well for server-side web development, in which a web server is typically used to run PHP scripts. It is currently the most widely used language in the web market thanks to its simple architecture, neatly arranged modules, and superior maintenance of numerous technologies.

- **Apache**
  'Apache' was chosen as a mark of appreciation for the Apache Native American Indian tribe, who were renowned for their unending endurance and outstanding battle tactics. Although this was not its original purpose, it also forms a funny pun on "a patchy web server," a server built from a number of patches. The "Apache Group" was quickly coined by the group of developers who delivered this new software.

2. Proposed System

2.1. Proposed System

Online exams are administered using this application. In the allotted time, students can sit at their own terminals and log in to complete the exam. The students must be provided the questions. This programme will make the necessary corrections, show the outcome right away, and store it in a database. The administrator has the ability to add new tests with this programme. This application gives the instructor the

ability to change or add questions to a specific exam. The administrator, instructor, and student authentication are handled by this programme.

2.2 Objectives of Proposed system

The Online Examination Tool's goal is to give system users more information so they can keep student test scheduling data and grading information more effectively.

2.3 User Requirement

1. The user needs to be computer savvy.

2. When placing an order, each user has their own authentication. The orderie user has requested to register.

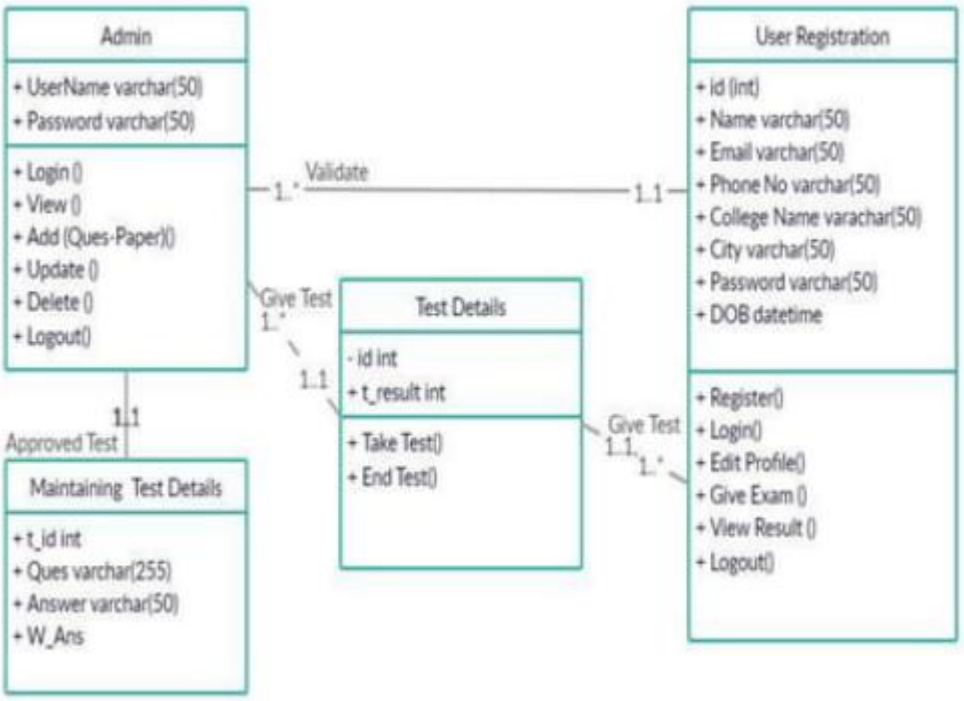
prior to logging in.

3. The customer's address and mobile number are necessary for authentication.

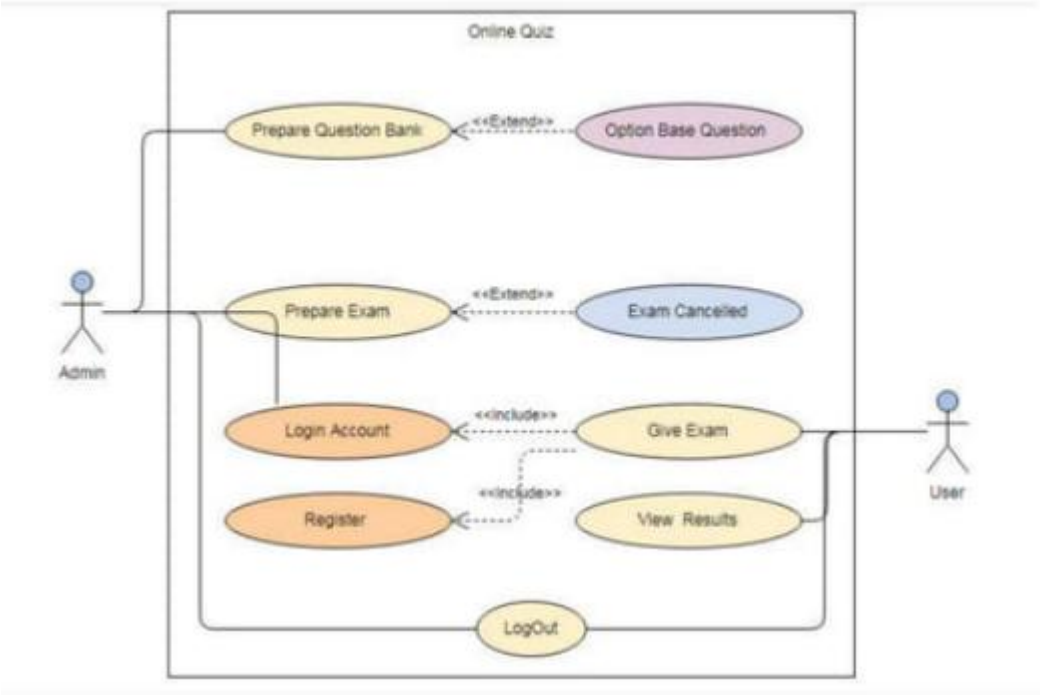
4. The user provides a smart garbage can that needs to be stored safely and properly. Because the can is too expensive, the user asked to keep it like her own trash can, not realising that the can is a corporate product and that the customer would be responsible for any damage.

3. Analysis and Design

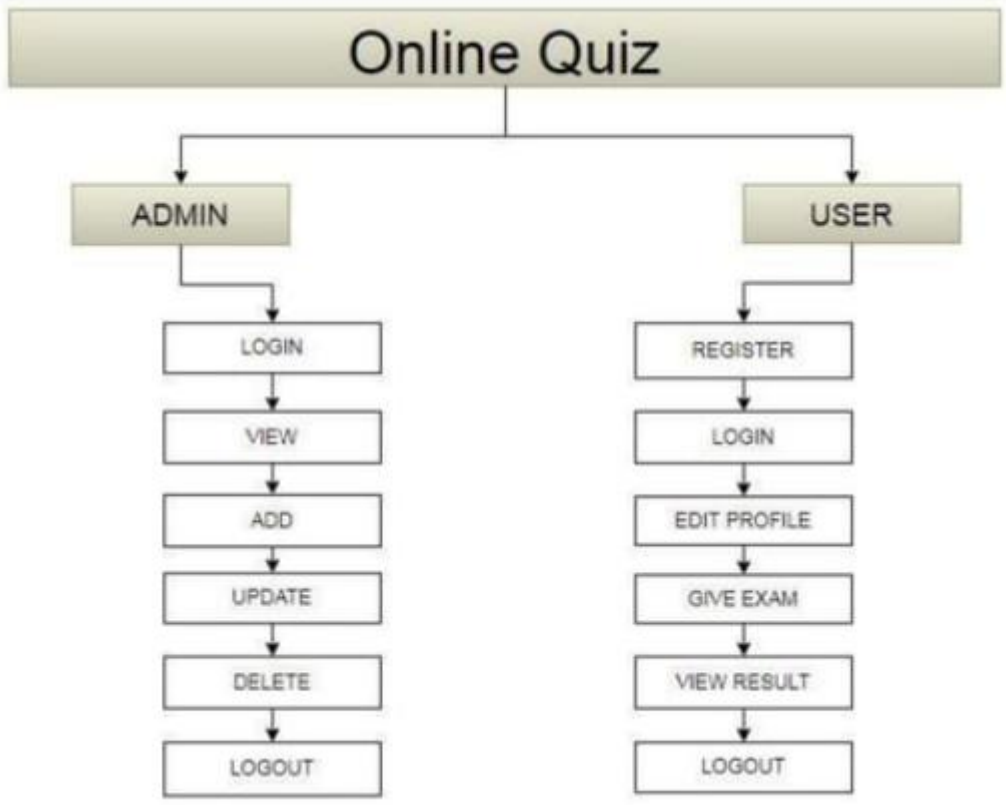
3.1 Class diagram



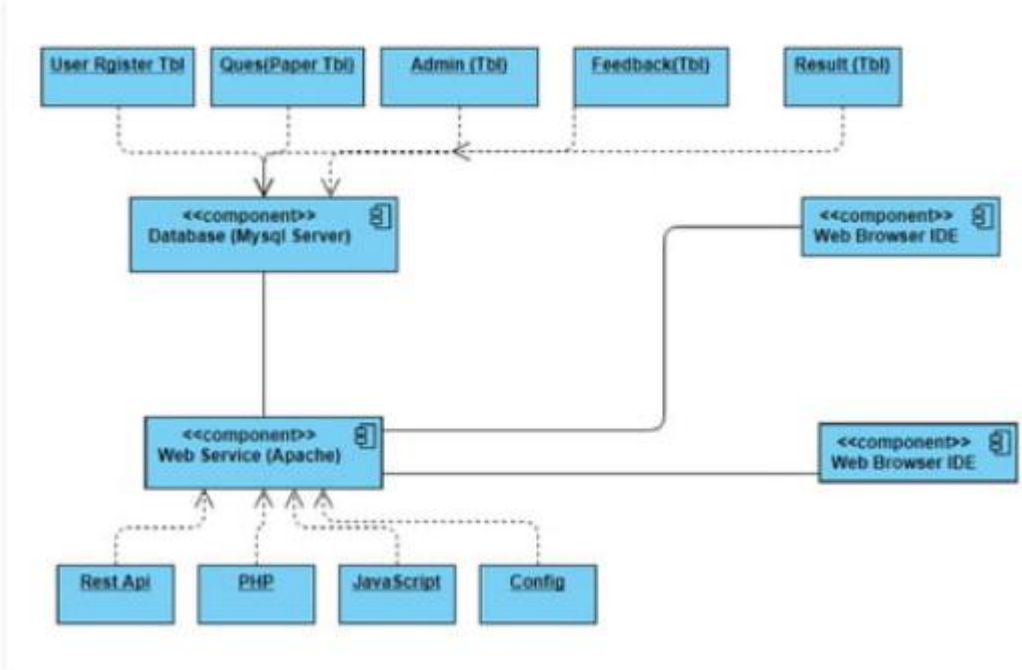
3.2 Use case diagram



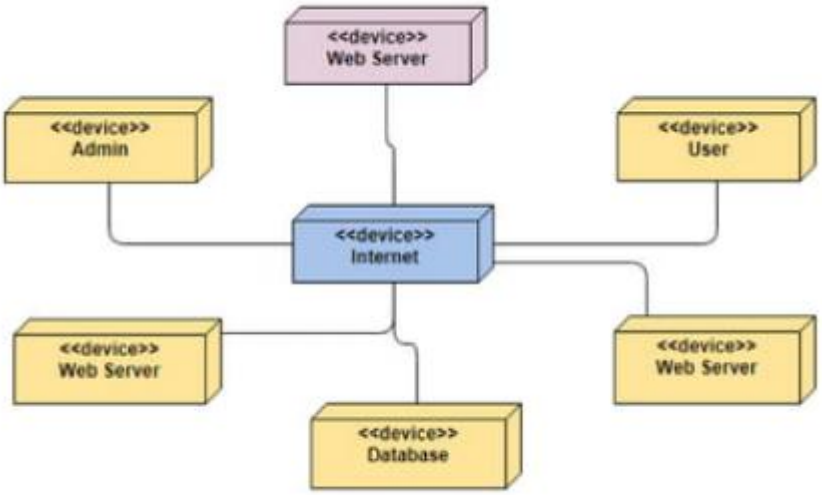
3.3 Module Hierarchy diagram



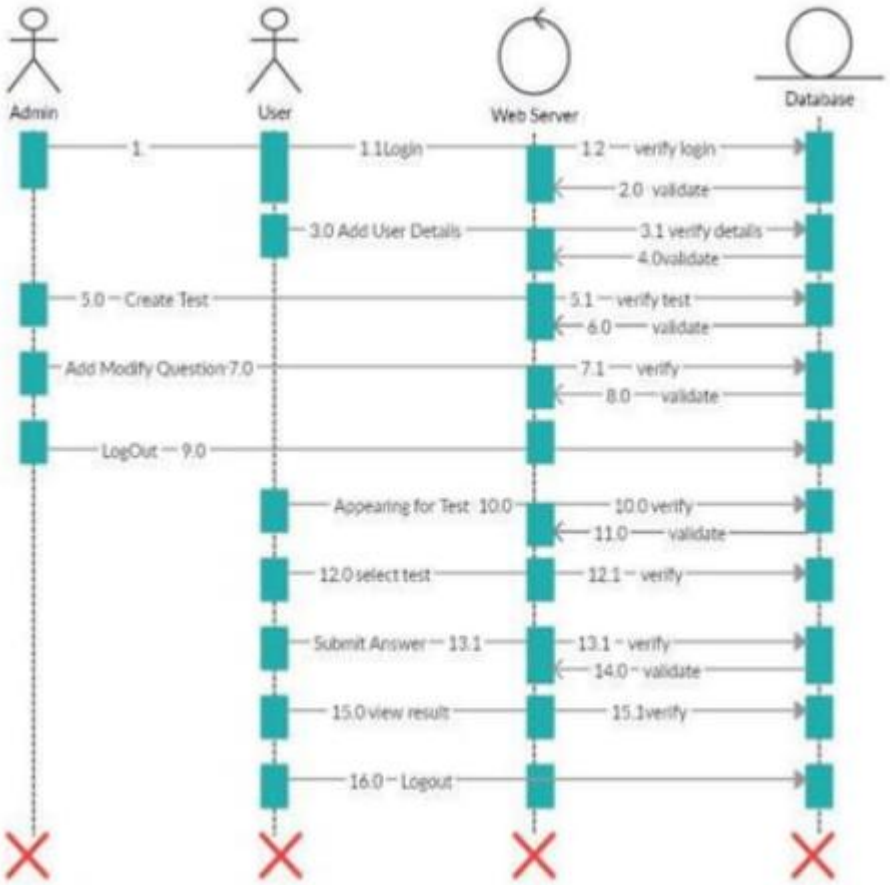
3.4 Component Diagram



3.5 Deployment Diagram



3.6 Interface Diagram(in case of WAP and embedded system)



3.7 State Chart Diagram

3.8 Table Specifications

4 User Manual

To gain a general understanding of the system to be utilised, go to this manual. This guide will describe the purpose and extent of a user manual, as well as the recommended structure and contents.

Purpose:

Just before to the implementation stage of the system development life cycle, a user handbook is written. The user manual's goal is overly explicit and provides detailed, non-technical information on how the system operates for the user department. Any system's ability to be used successfully and efficiently is its final test. A system is unable to execute itself. People are required to start, use, and maintain it, but they need to be taught how. Provide documentation outlining each person's responsibilities as a member of the system development team.

The following factors make a user handbook necessary:

- From the perspective of the end user, the user manual serves as the point of entry into the system.
- The user handbook lists the tasks that need to be completed by the user, along with the primary deliverables that indicate each activity has been successfully completed and its objectives when utilising the system.
- The handbook is frequently the only source of information for learning how to perform the task or fix mistakes.
- A thorough system handbook includes background reading to support training and testing and provides a detailed description of all system inputs, processors, outputs, and controls.

The steps using this portal are as follows:

1. Logging in as a user is the initial step in this portal.

2. The user's identity is verified.

3. The main screen appears after the user has successfully authenticated.

4. The individual can visit the intended page and manipulate data.

5. The database can be added to by the user.

4.1 User manual for Developers:

The purpose of this document is to provide developers with an overview of the system. This handbook will describe the system's development process. What technologies are employed in the process? Which coding architecture do the developers adhere to?

- **Coding Architecture:**
  - Application Layer
  - Business Layer
  - Database Access Layer

- **Technology Used:**

  For the Application Layer:
  - PHP: this language is used to generate PHP pages and enable dynamic web content.
  - HTML: this language is used to make static web content.
  - CSS, JavaScript, and AJAX: these are used to create an aesthetically pleasing user interface and for client-side validations.

  For the Business Layer:
  - -PHP: utilised to manage different namespaces and classes in addition to php pages.

  For the Database Access Layer:
  - MS-SQL 2008: utilised for data manipulation and storage.

5. Drawbacks and Limitations

a. Computer literacy is required of the user
b. The trashcan cannot be reserved if internet access is unavailable.

6. Proposed Enhancements

- This application eliminates the need for human labour and the associated issues. It is a simple method of getting information about the various scheduled exams that are currently being released.
- We're going to improve its usability.
- The addition of a searching option is an improvement. This website allows us to look for specific student information directly.

7. Conclusion

The package was created in a way that makes it simple to modify in the future. The project's development has led to the following conclusions.

- Entire system automation boosts productivity.
- It offers a user-friendly graphical user interface that is superior to the current system.
- Depending on their permissions, it grants authorised people the required access.
- It successfully gets over the communication lag.
- Information updating gets a lot simpler.
- Notable characteristics include system security, data security, and dependability.