

# Online Examination System

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**Abstract** - There are many drawbacks faced by manual examination systems such as filtering of records is not easy, delays in result processing and so on. Maintaining such huge amount of records in a file is not easy and also create a burden while searching it for a particular records. An Online Examination System is software solution that allows organization, companies & institute to conduct examination via online environment and eliminating all the drawbacks of the current manual examination system. It can be implemented through Intranet, Internet or via Local Area Network environments.

**Key Words:** Xampp, CSS, HTML, PHP, MySQL, Online Examination.

## 1. INTRODUCTION

The current system is a manual process of which users are maintaining files and records for the information regarding student details, exam schedule and the result of the student who attempted exam as per schedule. The main problem that exists in the current system is that conducting an exam at some time of specified duration at different place and than again assembling them at one place for evaluation and than declaring the result is quite a hectic, more time-consuming and unmanageable process in itself.[1]

The following short-comings of current system underline the need for computerization:

- 1) Abundant amount of copies of the question papers have to be made.
- 2) A lot of correction work hence leads tp delay in results declaration.
- 3) A lot of tabulation work for each subject results.

Therefore, through online examination we can provide a more efficient way to conduct test that will reduce overall time for a person to evaluate the test.

### 1.1 Problem Definition

The aim of this project is to provide quick, immediate and easy way to appear the exam. Login module helps the user to login to the site. For that he/she must type the username and password correctly. The login provision in this page helps the already registered user to directly access the site and there is a link for registration to a user who is new to this site.

## 2. PROPOSED MODEL

The proposed systems is used to conduct online examination by which it eliminate all the drawback of the traditional system that are used to conduct and evaluate the test. The student can sit at their respective terminal and can enter their login credentials after which they will take onto exam page to give exam for the given duration. The application will perform correction, display the results immediately and also store it in the database. This model provides the administrator with the facility to add new exam. This model provides the instructor to add questions to the exam, modify question in the exam for a particular subject. This model takes care of authentication of the administrator, instructor as well as the students. [2]

The proposed system can be operate by user who are categorized as:

- 1) Admin: One who has special privilege to create a exam for specific subject and can enter question regarding to it. The admin can also remove exam for any subject. Admin can also view the list of student that appears for the exam with their marks.
- 2) Student: They are the one who register themselves into the system to appear for the exam and once after done with registration, they logged into the system to start their exam.

### 2.1 DESIGN OF THE PROPOSED MODEL:

Here are some of the design of the proposed model

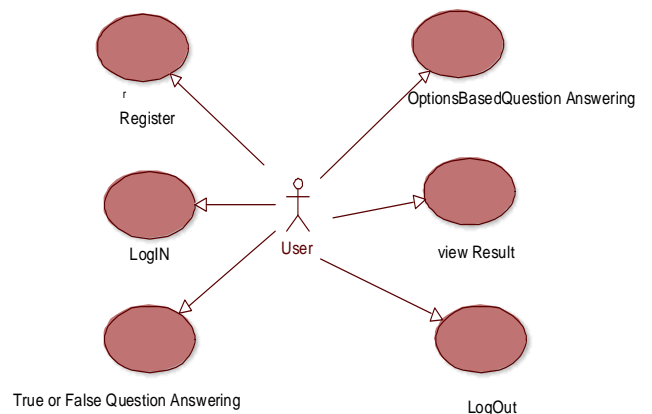


Fig -1: Use-Case Diagram

### Sequence Diagram

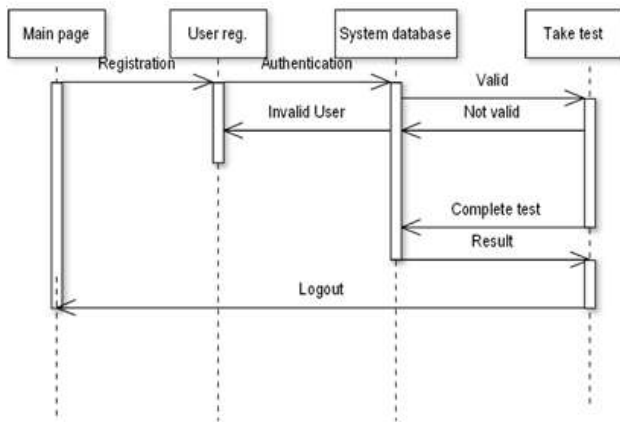


Fig -2: Sequence Diagram

### Collaboration Diagram

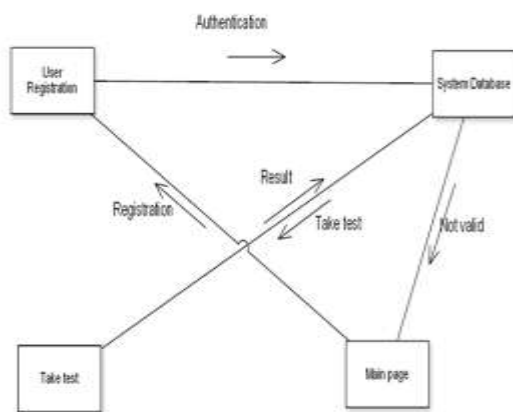


Fig -3: Collaboration Diagram

### 3. SYSTEM SPECIFICATION:

#### HARDWARE REQUIREMENTS:

- Pentium-IV(Processor).
- 256 MB RAM
- 512 KB Cache Memory
- Hard disk 10 GB
- Microsoft Compatible 101 or more Keyboard

#### SOFTWARE REQUIREMENTS:

- Operating System: Windows
- Web-Technology: PHP
- Front-End: HTML , CSS, JAVASCRIPT
- Back-End : MySQL
- Web Server: Apache SERVER

### 4. XAMPP

XAMPP is an abbreviation of Cross-Platform (X), Apache (A), MariaDB (M), PHP (P), & Perl (P). It is a simple, lightweight and more dynamic Apache distribution that it does not make extremely tough for developers to create a local web server for testing and also for deployment purposes.[3]

### 5. FUTURE ENHANCEMENT

Since, it is clearly understood and noted that online examination overcomes all the drawbacks of traditional examination system, there's no denying that the proposed model (Online-Examination) will clearly laid down its impact in future.

It can be used in corporate world as well as in educational institute. This can also be used anywhere, anytime as it is a web based application(user location does not matter).[4]

### 6. Features

- 1) Admin can add / remove question for particular exam.
- 2) Timer is added.
- 3) Negative marking for wrong answer.
- 4) Instant result generation.
- 5) Rank list is created according to the marks that are achieved during exam.
- 6) Student can give feedback(if any).

### 7. CONCLUSION

The key concept of online examination system is to minimize usage of paper and transform all form of data into digital form and too bring change in existing traditional examination conduction. It is also observe that the information require can be obtained with ease and accurate in the computerized system.

### 8. REFERENCES

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