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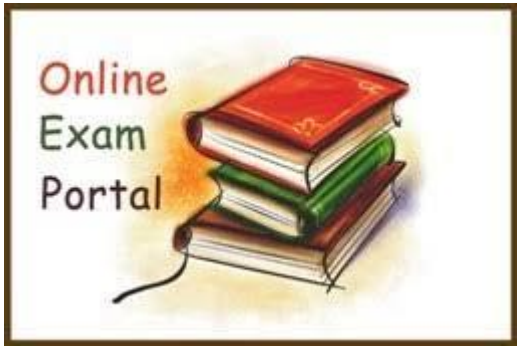
# Presentation on

# ONLINE EXAM PORTAL

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# Introduction

***Online Exams*** is being launched because a need for a destination that is beneficial for both institutes and students. With this site, institutes can register and host online exams. Students can give exams and view their results. This site is an attempt to remove the existing flaws in the manual system of conducting exams.

## Purpose

***Online Exams System*** fulfills the requirements of the institutes to conduct the exams online. They do not have to go to any software developer to make a separate site for being able to conduct exams online. They just have to register on the site and enter the exam details and the lists of the students which can appear in the exam. Students can give exam without the need of going to any physical destination. They can view the result at the same time. Thus the purpose of the site is to provide a system that saves the efforts and time of both the institutes and the students.

# Why online Examination

- Stored Repository of exams
- Auto grading
- Flexible
- Time Saver
- Security
- General problem with time for students
- Develop a system which allows the faculty to create, modify and store questions which can be grouped together to form sections and these sections can be grouped together to form/ examinations.

# Literature Survey

| Sr.No | Author Name | Work On |
|---|---|---|
| 1. | Patidar Vishnu & Kadam Vishal | Analysis process of Design and Development of online Examination system. |
| 2. | Qiao-fang Zhao & Yong-fei Li | Research and Development of Online examination System, Proceedings of the 2nd international conference on computer and information Application. |
| 3. | Z. M. Yuan, L. Zhang, G. H. Zhan | A novel web-based online examination system for computer science education, in proceeding of 33rd Annual Frontiers in |
| 4. | Al-Mashaqbeh, I.F. Al Hamad | A Students Perception of an online Exam within the Decision Support System Course at Al al Bayt University Conference publication Pages |

# MODULE

- Registration Module
- Administrative Module
- Student Module

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# Problem Definition

Online Examination is very helpful to users. The aim of this project is to provide quick, immediate and easy way to appear the exam. It can provide special advantages to the students/applicants. The online examination system can automatically add the marks allocated in each question to determine the total mark for the questions. A time limit can be set for the questions. Online Examination System allows jumping to specific questions based on the previous answer. The online examination system limits the number of times a student can write a question. 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. Student module is mainly for the students. This helps the students to register for the exam and answer the exam. For registration name, address, phone no, role id, password should be entered. This system will provide result after the exam according to correct and wrong answer. Administrator module is mainly for the administrator. This will contain the creation of question paper, preview of already created question paper, and the report of the administrator. For creating the question paper he/she must enter Exam ID, No: of questions, total time (in min), Marks per Question, Option type. For showing the preview of already created question paper he/she must enter the correct Exam id.

# Problem Statement

Conductors required a long time to conduct examination in a traditional way. It is not possible to take examination of mass students. Examiners are not able to maintain the hard copy record of student in large quantity. For examiner, manipulation of student record is difficult. And have the problem will not born in online examination system.

After tackling with these problems, I feel that we need to create a virtual examination system because: It is easy to conduct. Give speed and accuracy to give examination and show result. Required less manpower to execute the examination. Save student and examiner's time. It is cost effective and time effective. The questions are shuffled in a random order so that possibilities for getting questions in the same order for the students who are beside, is less.

# Proposed System

- In comparison to the present system the proposed system will be less time consuming and is more efficient.
- Result will be very precise and accurate and will be declared in very short span of time because calculation and evaluations are done by the simulator itself.
- The proposed system is very secure as no chances of leakage of question paper as it is dependent on the administrator only.
- The logs of appeared candidates and their marks are stored and can be backup for future use.

# Software Requirement

- Operating System

  Windows 11 and others

- Front End

  JSP (Java Server Pages)

  HTML (Hypertext Markup Languag

  CSS (Cascading Style sheet)

- Back End

  MySQL

  JDK (Java Development Kit)

- Browser

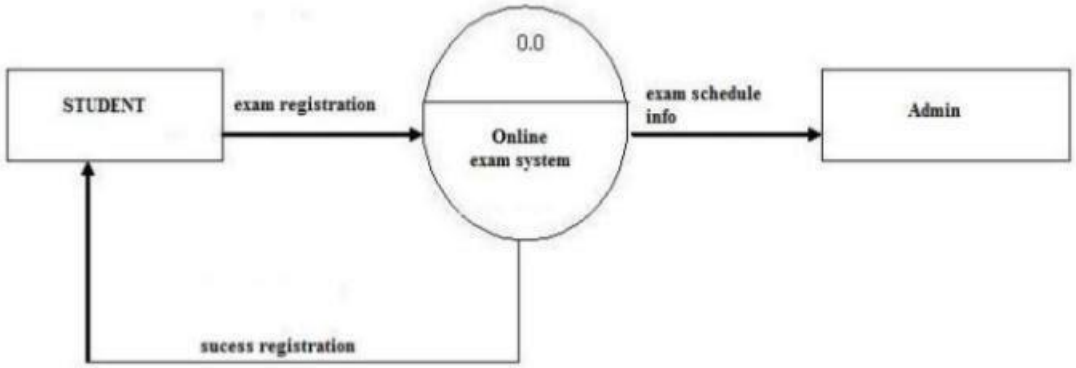
  Internet Explorer and others

# Hardware Requirement

| Client side | Server Side |
|---|---|
| Browser<br>Any Browser | Processor<br>Pentium 2.0 and above |
| Processor<br>Pentium 2.0 and above | RAM<br>1 GB |
| RAM<br>256 MB | Hard Disk Space<br>4 GB |

# System Analysis

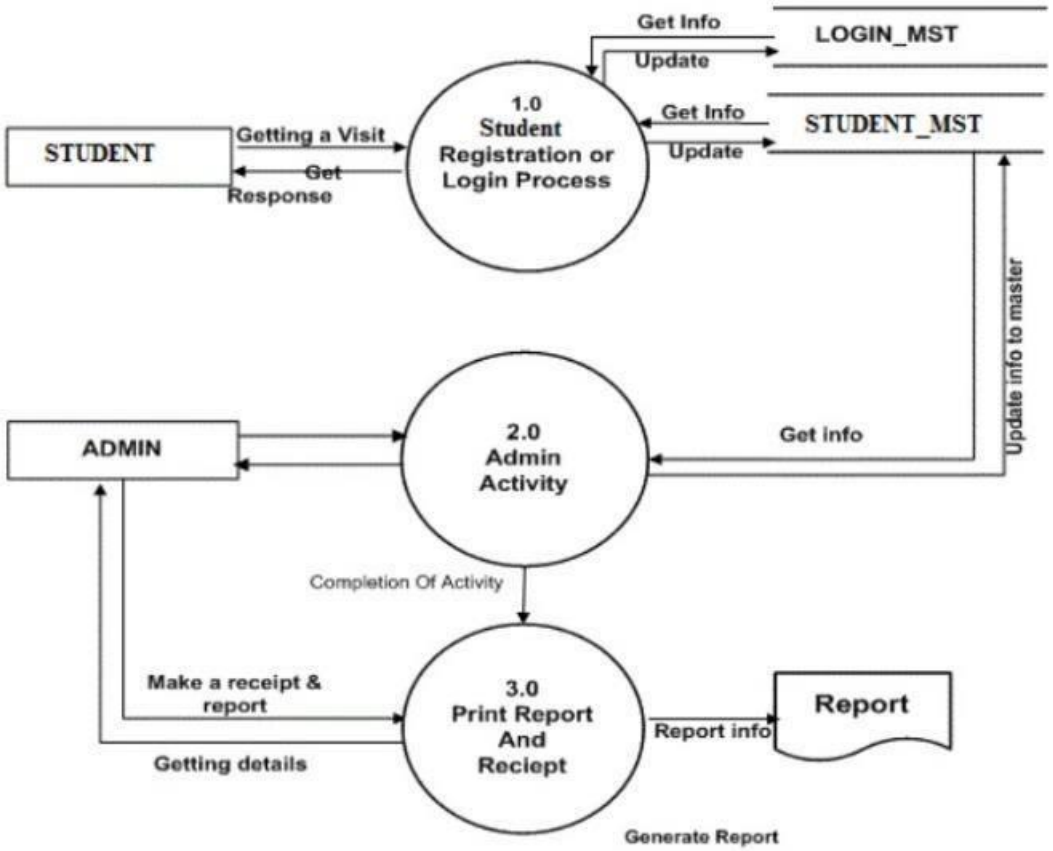
A DFD can be categorized in the following forms:
Context diagram: An overview of an organizational system that shows the system boundaries, external entities that interact with the system and the major information flows between the entities and the system. In this diagram, a single process represents the whole system.
First level DFD: A data flow diagram that represents a system's major processes, data flows, and data stores at a high level of detail. Draw the DFDs upto 2nd level for Online Examination system.
Figure:- Level 0




Level 0

# System Analysis

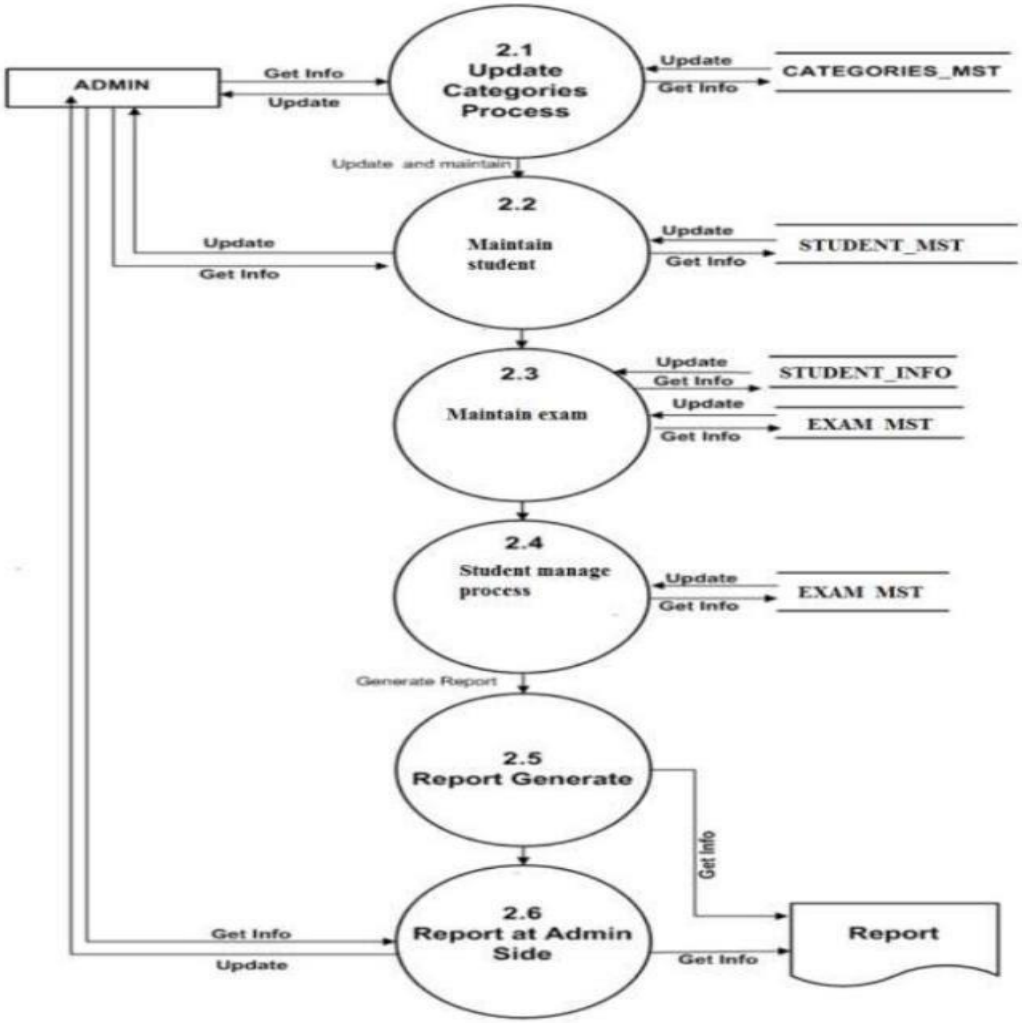
**Figure:- Level 1**




**Level 1**

# System Analysis

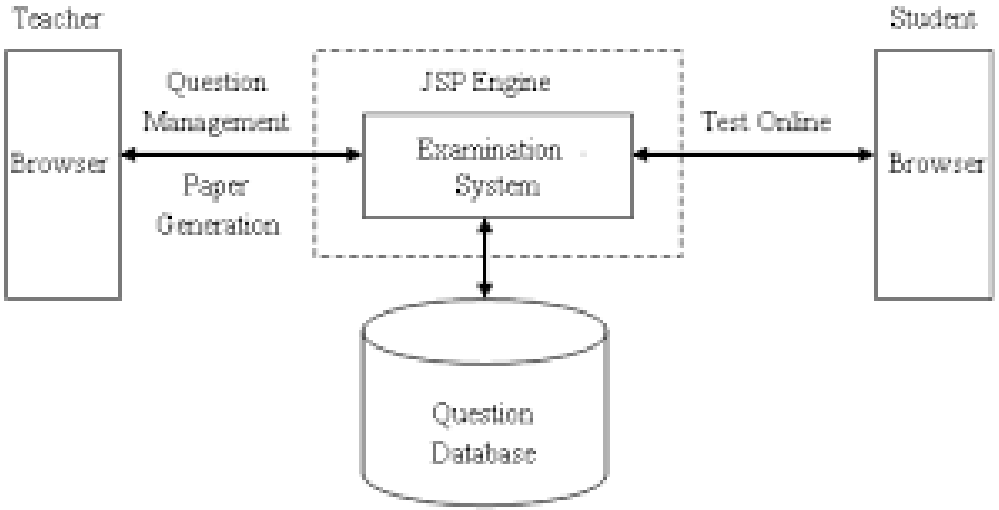
**Figure:- Level 2**




Level 2

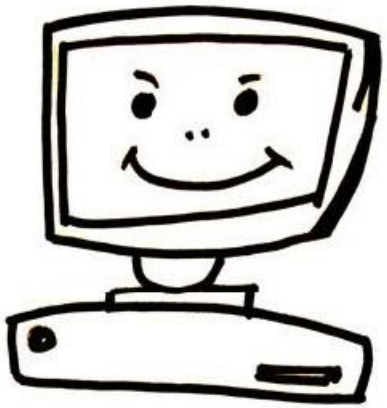
# System Design

- The goal of this phase is to convert the requirements into a structure that is suitable for implementation in some programming language.
- The online examination system uses client/ server architecture. At the client by using a web browser can connect via internet or local host with the server where PHP and MySQL in the server side are responsible for the preparing exams processes and save and return data from database.



# Advantages of online Examination

- Physical pressure at a given location is absolutely not necessary.
- Result available instantly.
- Easy Accessibility.
- User Friendly.
- Secure because authentication.
- Online exams – Convenience, Security and Flexibility.
- Available at a reduced cost.
- Accuracy in checking  the answer, calculating result.



# Disadvantages

- Require High speed internet.
- Slow in case of small bandwidth internet.
- Chances of server crases.
- Chances of hacking

# EXISTING SYSTEM

- A number of online examination system software are available today.
- The system of online exams has been widely adopted by a good number of organizations and universities.
- The tasks of maintaining records, score cards, student details, question papers and so on is very easily managed by the systems.

# Expected Result

Current System provide only multiple choice but single correct answer selection. Faculty may wish to provide multiple choice multiple selection responses. Incase question and answer need to be in graphics, current system has no provision. Unregistered users cannot answer test, they must belong to some group. This is drawback incase the faculty wants anyone even anonymous users to answer the test. Top score could be displayed on the home page, but this could be easily implemented while programming the home page. Security logs through not implemented in this system would be well available through the respective database management system and web server software.

# FUTURE SCOPE

- This web application involves almost all the features of the online examination. The future implementation will be online help for the users and chatting with website administrator.

# Conclusion

- Online Examination portal is a web application. The key concept is to minimize the amount of paper and convert all forms of documentation to digital form. It can observe that the information required can be obtained with ease and accuracy in the computerized system. The user with minimum knowledge about computer cab be easily able operate the system easily. The system also produces brief result required by the management.

# Reference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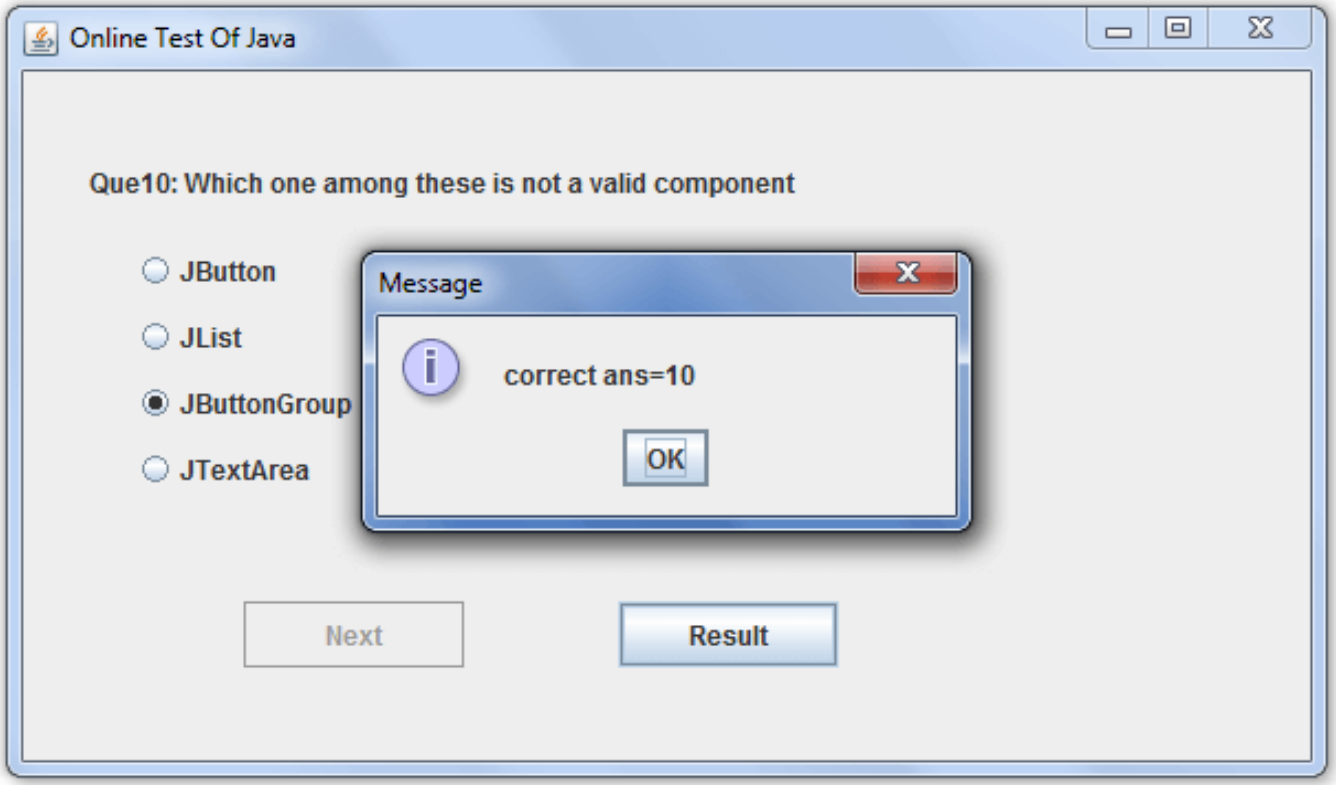

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# ANY QUESTION

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# THANK YOU