

## Online Quiz Website

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### ABSTRACT

Quiz management is a web based examination systems where quiz taken by students. Teacher can administrator quizzes management the system will show using the quiz result after the examination is finished. The purpose of online quiz system is to automate the existing manual systems by the help computerised equipment's and computer software fulfil their requirements. So that their valuable data can be stored longer period.

The purpose of project to take quizzes in an efficient manner and no wasting time for checking the paper. The main objective of project is to efficiently evaluate candidate through a fully automated systems that not only saves lot of time but also gives fast results. A teacher has control in the question bank.

**Keywords:** *QuizApp; String tokenizer; Save money and time.*

### INTRODUCTION

This application is developed keeping a fictitious company "Online Quiz" in mind. It has been assumed that "Online Quiz" is an organization that has a whole-sole objective of imparting education to primary school & underprivileged children. To fulfil this objective and spread its initiative all across the nation, it requires candidates who are both technically as well as non-technically equipped and for that purpose. "Online Quiz" has a defined procedure of selection & registration of candidates which it is presently doing manually. It has been assumed that "Online Quiz" is an equal-opportunity organization and also gives a second chance to all those candidates who are unable to clear in the first attempt. Under this policy, if a candidate clears his technical test but is unable to clear the non-technical one, he is successfully registered by the organization & is being called for a re-appearance in 01 months. The prime motive behind this "Online Quiz" policy is to fulfil its objective of teaching primary school & underprivileged children and make every capable Indian a part of their sacred initiative. So, the system really saves extra costs by automating the majority of the involved processes that were initially handled manually by "Online Quiz".

### LITERATURE REVIEW

Web in simple terms means a network of internet servers that are ready to support some formatted documents and can be accessed by a web browser. About these formatted documents these are formatted in HTML. Not these formatted documents create their links to their type but they also support links to some documents including video, graphics and audio files. Terms web and internet are interchangeably used but they are not same. While internet refers to global network of server that make sharing of information, web is a collection of information being access via internet. Also we can say that web is a service and Internet is an infrastructure where we be service on top it.

### SYSTEM DEVELOPMENT

A block diagram is used to represent the dynamic behavior of system. It encapsulate the systems functionality by incorporating use cases actors and their relationships. It models the task services and functions required by a system of an application. It depicts the high level functionality of a system and also tells how the user handles a system.

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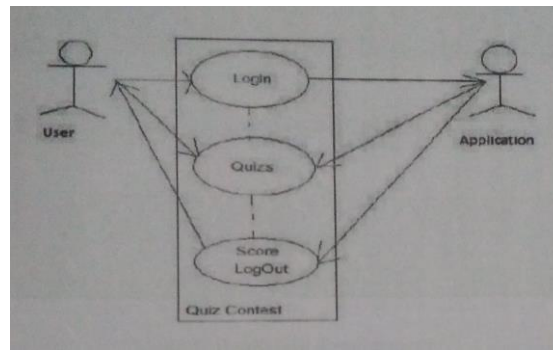


Fig 1. Block diagram of online quiz.

The question sets will supports to automatic process and it is a important role in random generation of unique question sets of a question papers. The maximum number of questions with better randomization is achieved. Utilize advanced judgments settings included flexibility in database driven question pulling, skipping and randomization and include time response to conduct online exam. It facilitates in creation of question paper based on a set of parameters. Web based quiz application provides automatic online evolution of objective type questions. The answers are checked along with the conduction of the test and the students can be made available with the results at the end of the test. Storage of answers, score and results are done with the help of database. The administrator has the ability to add, update or delete the questions as per the course.

Attempted students are able to download certificate from their login.

## ACTIVITY DIAGRAM

An activity diagram is a type of unified modelling language flowchart that shows the flow from one activity to another in a system or process. It used to describe the different dynamic aspects of a system and is referred to as a behavior diagram because it describe what should happen in the model system.

Activity diagrams show the process from the start to end each activity diagram includes and action, decision node, control flows, start node and end node. They show the individual steps in an activity and the order in which they are presented. They can also show the flow of data between activities.

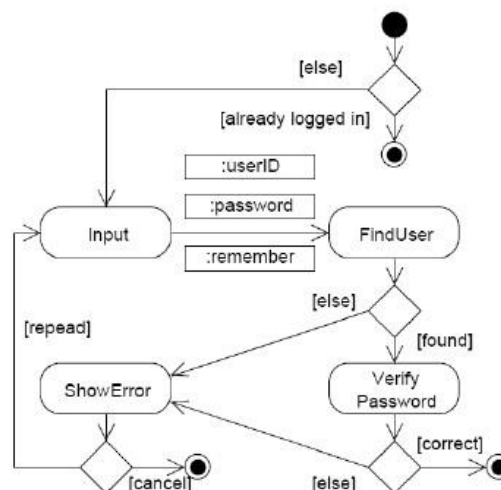


Fig. 2. Activity diagram for login

## RESULTS AND DISCUSSIONS

### RESULT

#### 1. Interface Design

Designing and implementing of online MCQ quiz application we used HTML, CSS, JavaScript and a SQL server with the context of PHP. Following pages have designed using HTML, CSS and JavaScript to handle the defined objective of this project.

**Homepage:** Home page is the first page of the website where user gets all information about interfaces these page will able to user to select the type of login. User can sign in /signup.

**Sign in / Sign up page:** After user select the type of login from below, the login page of particular user will be displayed. Users enter their users name and password and after clicking on login first system will check is it a valid user or not. If user is authenticated by the system, will be directed to particular home page if not authenticated by the system the message "Either user name or password is incorrect" will be displayed to user.

**Start exam:** Here user need to submit test id provided by us.

**Attempt exam:** Select test page of student when student select the test and click on " Go to selected test " the page will be directed to questions of selected test. Student can attempt all questions of that test and after clicking on "Submit test", will receive a message that "You have successfully attempt" the test.

**Score card page:** Here all test attempted students knows their percentage and certificate will be available to download now. User can download certificate by clicking on "Download certificate as print" button.

**Result:** A responsive website is designed with all credentials and buttons where user can analyze their knowledge in core electronics and general aptitude.

After complete of the test students can download their certificate from there logins.

### APPLICATIONS

We can use the quiz application for the following tasks:

- To analyses the knowledge by designing of test on different technical and non-technical topics.
- Useful for institutions and colleges to exam conducting.
- One can use to gain knowledge in particular field.

### FUTURE SCOPE

In a nutshell, it can be summarized that the future scope of the project circles around maintaining information regarding:

- We can organize more test in future.
- We can give more advance software for quiz management system including more facilities.
- We will host the platform on online servers to make it accessible worldwide.
- Be easy to understand by the user.

### CONCLUSION

This online quiz application provides facility to play

Play quiz anywhere and anytime. It save time since user does need to wait for result. So, student cannot wait for the result. All student / user get extra knowledge and skills. Administrators has a privilege to put as much as question in any category given in application. User can register, login and give the test with his/her specific id, and can see the result as well. Users will get certificate also.

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## REFERENCES

1. Nazuruddin Safaat H.2012 (Edisi Revisi). Pemograman Aplikasi Mobile Smartphone dan Tablet PC Berbasis Android. Informatika Bandung.
2. Britton, Carol(2001).Object-Oriented System's Development .McGraw-Hill.hlm.28-29,269.ISBN 0-07-709544-8.I.S. Jacobs and C.P>Bean, "Fine particles, thin films and exchange anisotropy, "in Manetism, vol.III, G.T.Rado and H.Suhl, Eds. New York;Academic,1963,pp.271-350 .
3. Gikandi, J. W, Morrow, D, Davis, N, E, 'Online formative assessment in higher education; A review of the literature, 'Computers & Education 57, 2011,pp.2333-2351.
4. Lamas-Nistal,M.,Fernandez-Iglesias,M.,J.,Gonzales-Tato,J.,MikicFonte,F.,A., Blended e-assessment;
5. Migrating classical exams to the digital world, "computer & Education 62,2013,pp. 72-87.
6. Develpoing dynamic website using an online website builder that is a Wssbly for Viking Fortune [Md.Shamsul Arafin Yi Jiang]-Laurea University.
7. <https://www.codewithharry.com>.