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Mini Project Report On

**“Automatic Quiz Generator ”**

Submitted in Fulfilment of Seventh Semester Web Technology  
Laboratory(17CSL77) in Computer Science & Engineering

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DEC 2020-2021

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## CERTIFICATE

This is to certify that **Mr.Gowtham H M USN : 4GH17CS016**  
**Ms.Impana Gowda USN : 4GH17CS018** has satisfactorily implemented the mini project titled “ **Automatic Quiz Generator** ” in seventh semester WEB TECHNOLOGY LABORATORY WITH MINI PROJECT (17CSL77) as per the requirements of Visvesvaraya Technological University, Belagavi for the academic year 2019-2020.

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1.

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We are extremely grateful to our principal **Dr.K.C.Ravishankar**, B.E, M.Tech, Ph.D. for creting an excellent and technically sound environment in our institution.

We would like to express our profound sense of gratitude to our department HOD **Dr.Raghu M.E**, B.E, M.Tech, Ph.D and our guide **Mrs. Nivyashree** ,B.E, M.Tech, Dept. of CS&E for their guidance. It's a great pleasure to acknowledge our sincere gratitude to **Ms. Meghashree**, B.E, M.Tech, Dept. of CSE for their help and encouragement rendered towards the successful completion of the mini project work.

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Impana Gowda

## Declaration

We, Gowtham H M and Impana Gowda , student of 7th semester B.E, CSE, Government Engineering College, USN 4GH17CS016 and 4GH17CS018 here by declare that the project entitled “**AUTOMATIC QUIZ GENERATOR**” has been carried out by us under the supervision of **Mrs. Nivyashree**, and **Ms. Meghashree**, Dept of CSE submitted in fulfilment of the requirements for the award of the degree of computer science and engineering by the Visvesvaraya technological university during the academic year 2020-21.This report has not been submitted to any other organization/university for any award of degree certificate.

**By :**

Gowtham H M

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## **Abstract**

The AUTOMATIC QUIZ GENERATOR is a web application for students to take online quiz in an efficient manner and no time wasting for checking the paper. The main objective of AUTOMATIC QUIZ GENERATOR is to efficiently evaluate the candidate thoroughly through a fully automated system that not only saves lot of time but also gives fast results. For students or user they give papers according to their convenience and time and there is no need of using extra thing like paper, pen etc. .

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# Chapter 1

## Overview

### 1.1 Introduction

Quizzes play an important role in a student's life. Taking quizzes time to time boost their knowledge about a subject. Automatic Quiz Generator mainly focuses on helping different clubs and students. It helps the clubs by allowing them to conduct quiz with an user-friendly approach and it helps students by giving them option to take quiz from anywhere through internet. Automatic Quiz Generator is an easy-to-use, customized online testing solution for business, training educational assessment with Test Quizzes graded instantly saving your hours of paperwork.

### 1.2 Scope

One of the most important steps in the process of development of the system is to have a well defined scope of the system. The scope of the system sets down the

boundaries and areas covered by the system.

- Admin can add,delete and edit questions.
- Students can take the quiz whenever and where-ever they want.
- The system is user friendly and maintenance of the information is easy.
- Result is announced quickly.

# Chapter 2

## Objectives

- The aim of this project is to automatically generate quizzes and to correct them at the end of each quiz.
- This will benefit to the students and to the clubs as well.
- For the students this will help them to get trained for the exams, to test their knowledge in a specific course/domain, to put their selves in a real exam situation. They can also have their grades at the end of the quiz/exam instead of waiting for the professor's grades.
- For the admin this will be a huge gain in time and they can also build a data bases of questions that can be shared with other colleagues in other universities.

# Chapter 3

## Requirement Specification

System requirements are expressed in software requirement document. It is the official statement of what is required of the system developers. Requirements document includes the requirement definition and the requirement specification. This is used to describe the scope of the project and to plan for the system's design and implementation. The software requirement document is not a designed document.

### 3.1 Hardware Requirements

1. Operating System: Ubuntu
2. ROM: 4GB
3. RAM: 1GB

### 3.2 Software Requirements

1. Language Used: HTML,CSS,PHP
2. Database: MySQL

### 3.3 Functional Requirements

- Inserting questions to front-end i.e., admin page which is stored in database.
- Access details of students who have taken quiz and their marks.
- Update questions under different topics.
- Accessing quiz and getting results immediately.

### 3.4 Non-Functional Requirements

- Give access to admin with valid authentication.
- Secured implementation of the system.
- Optimized and efficient implementation of front-end to provide easy and user-friendly interface.
- Dynamic nature of the system, so that anything updated in the front-end should also be updated in the back-end.

# Chapter 4

## Proposed Design

### 4.1 Architectural Design

Architectural design is “the process of defining a collection of hardware and software components and their interfaces to establish the framework for the development of a computer system.”

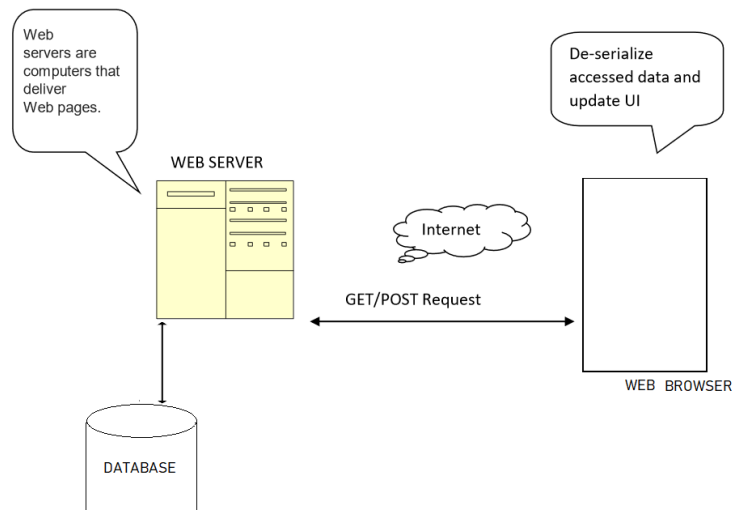


Figure 4.1: Architecture diagram

## 4.2 Flow Chart

A flowchart is a diagram that depicts a process, system or computer algorithm. They are widely used in multiple fields to document, study, plan, improve and communicate often complex processes in clear, easy-to-understand diagrams.

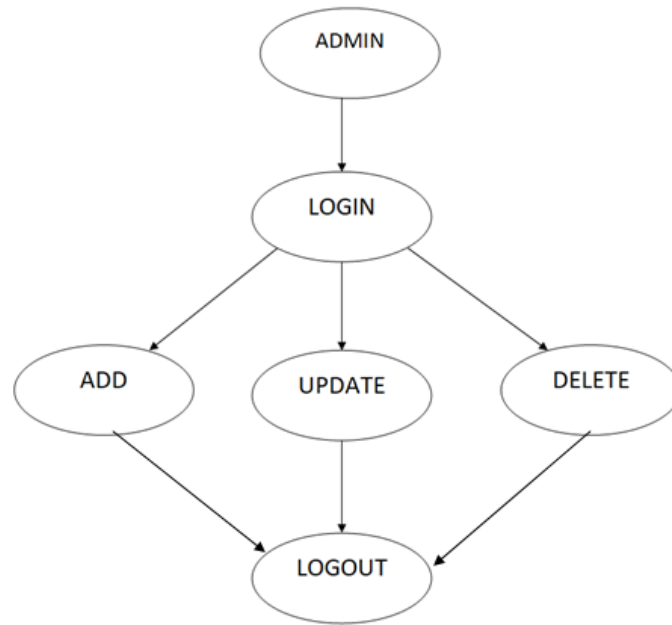


Figure 4.2: Admin flow chart

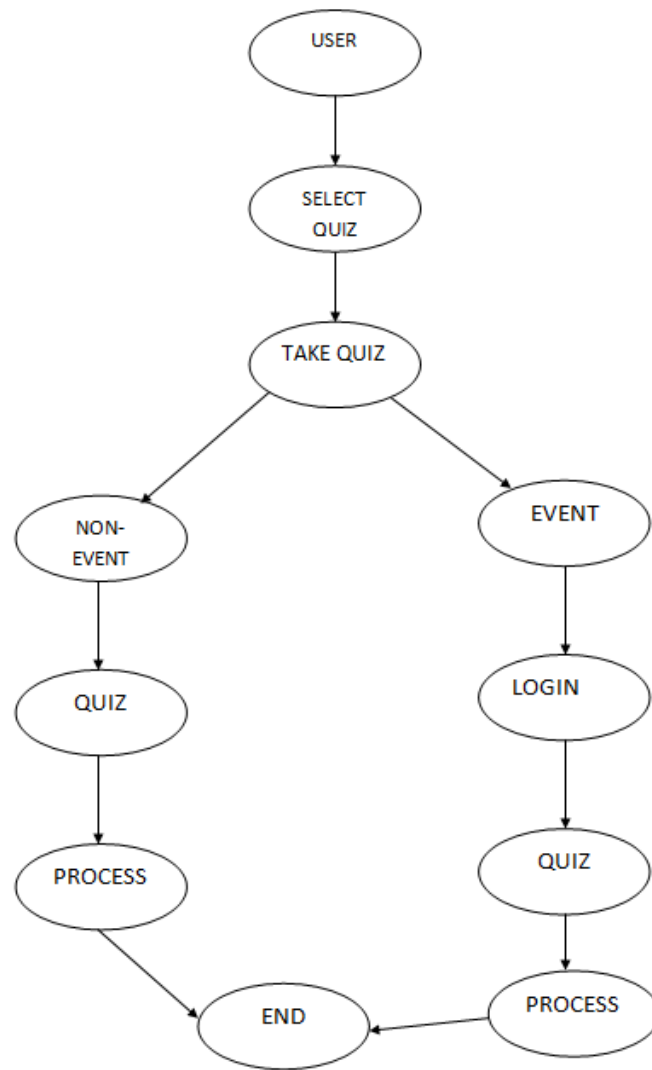


Figure 4.3: User flow chart



# Chapter 5

## Implementation

### 5.1 Registration/Login View

Login page represent authentication for users and the admins who already registered for our application. This page allow the valid user for next page. If any new users want to login they need to signup first. In our application there are two types of users 1. Admin login 2. User login

### 5.2 Sign In

Signup page involves registration for the new user to our application. The user must provide the required information and if the information is valid then the user is successfully registered to our application.

### 5.3 User Home page

In the user home page, there are two types of topics. One is non-event quiz which can be taken by any user and the other is event quiz which can be taken only by the

ssstudents who hav registered in clubs and have login credentials.

## 5.4 Admin Home page

After successful login of the admin,the admin can add,edit,delete and update questions.

# Chapter 6

## Snapshots

This chapter consists the results drawn after successful execution of our project.

### 6.1 Admin Sign-up

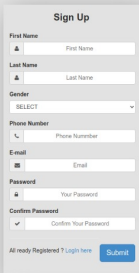
A screenshot of a web form titled "Sign Up". The form is centered on a light gray background. It contains several input fields: "First Name" and "Last Name" (both with a small person icon), "Gender" (a dropdown menu with "SELECT" text), "Phone Number" (with a phone icon), "Email" (with an envelope icon), "Password" (with a key icon), and "Confirm Password" (with a checkmark icon). At the bottom, there is a link "Already Registered? Login here" and a blue "Submit" button.

Figure 6.1: Admin Sign-up Page

In this module admin sign-up using first name,last name,gender,phone-no,e-mail and password.

## 6.2 Admin Sign-in

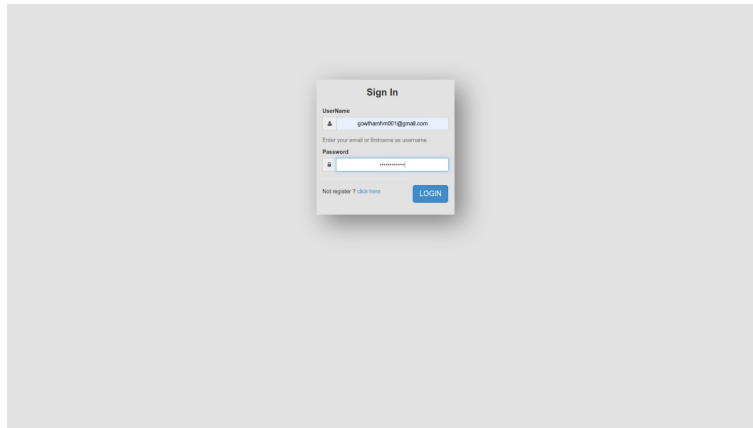


Figure 6.2: Admin Sign-in Page

In this module the admin sign-in using username and password.

## 6.3 Admin Home Page

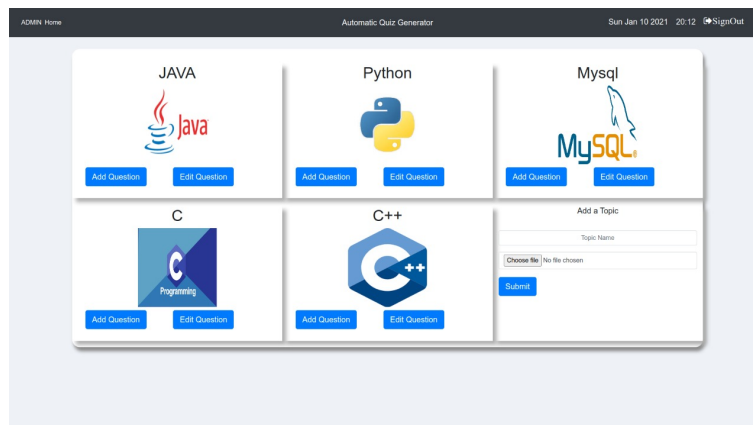


Figure 6.3: Admin Home Page

This page contains already added topics and option of adding new topics.

## 6.4 Questions Adding Page

The screenshot shows a web application interface for adding a question. At the top, there is a dark header bar with 'ADMIN Home', 'Automatic Quiz Generator', and 'Sun Jan 10 2021 20:12 SignOut'. Below the header, a light blue modal box titled 'Add a Question to JAVA' is centered. Inside the modal, there is a 'Topic' dropdown menu set to 'JAVA'. Below this are input fields for 'Question', 'Option 1', 'Option 2', 'Option 3', 'Option 4', 'Correct Answer', and 'Explanation'. A green 'Submit' button is at the bottom of the modal.

Figure 6.4: Questions Adding Page

After selecting specific topic, the admin can add questions under that topic.

## 6.5 Questions Editing Page

The screenshot shows a web application interface for editing questions. At the top, there is a dark header bar with 'ADMIN Home', 'Automatic Quiz Generator', and 'Sun Jan 10 2021 20:12 SignOut'. Below the header, a light blue modal box titled 'Edit the Questions of JAVA' is centered. Inside the modal, there is a table with five rows of questions. Each row contains a question text, an 'Edit' button, and a 'Delete' button. The questions are:

| Question   | Edit | Delete |
|--|------|--------|
| Question 1: Which of the following option leads to the portability and security of Java?                                       | Edit | Delete |
| Question 2: Which of the following is not a Java feature?  | Edit | Delete |
| Question 3: Which is a valid keyword in java?  | Edit | Delete |
| Question 4: What is the name of the method used to start a thread execution?   | Edit | Delete |
| Question 5: Which class does not override the equals() and hashCode() methods, inheriting them directly from the class Object? | Edit | Delete |

Figure 6.5: Questions Editing Page

Here the questions are edited as the admin wants.

## 6.6 Questions Updating Page

ADMIN Home Automatic Quiz Generator Sun Jan 10 2021 20:12 SignOut

Update Question to JAVA

Topic : JAVA

Question : Which of the following option leads to the portability and security of Java?

Option 1 : Bytecode is executed by JVM

Option 2 : The applet makes the Java code secure and portable

Option 3 : Use of exception handling

Option 4 : Dynamic binding between objects

Correct Answer : Bytecode is executed by JVM

Explanation : The output of the Java compiler is bytecode, which leads to the security and portability of the Java code. It is a highly developed set of instructions that are designed to be executed by the Java runtime system known as Java Virtual Machine (JVM). The Java programs executed by the JVM that makes the code portable and secure. Because JVM prevents the code from generating...

Submit

Figure 6.6: Questions Updating Page

The questions are updated here.

## 6.7 User Topic Selection Page

USER Home Automatic Quiz Generator Wed Jan 13 2021 07:04

JAVA

Python

Mysql

C

C++

Enter the number of c: Take Quiz

Enter the number of c: Take Quiz

Enter the number of c: Take Quiz

Enter the number of c: Take Quiz

Enter the number of c: Take Quiz

Figure 6.7: User Topic Selection Page

Here the user selects the topic and number of questions. If the selected topic is an event it asks for login.

## 6.8 User Login Page

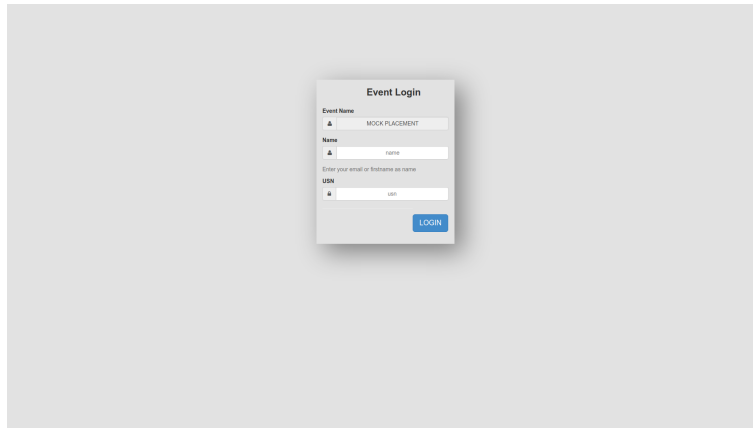


Figure 6.8: User Login Page

The user is supposed to login for events quizzes.

## 6.9 Instructions Page

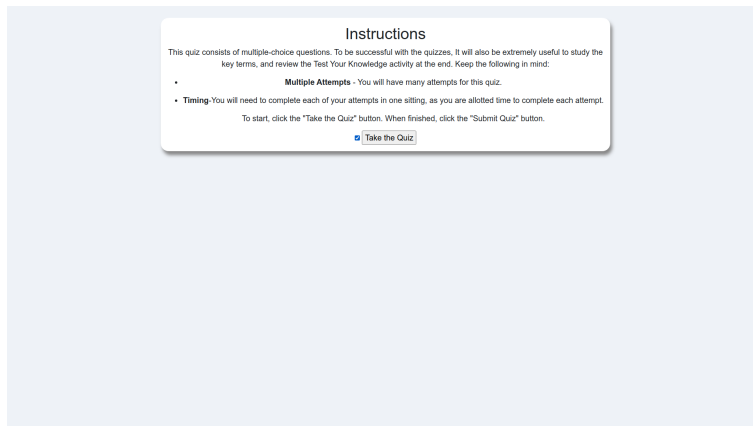


Figure 6.9: Instructions Page

Instructions are displayed here.

## 6.10 Quiz Pages

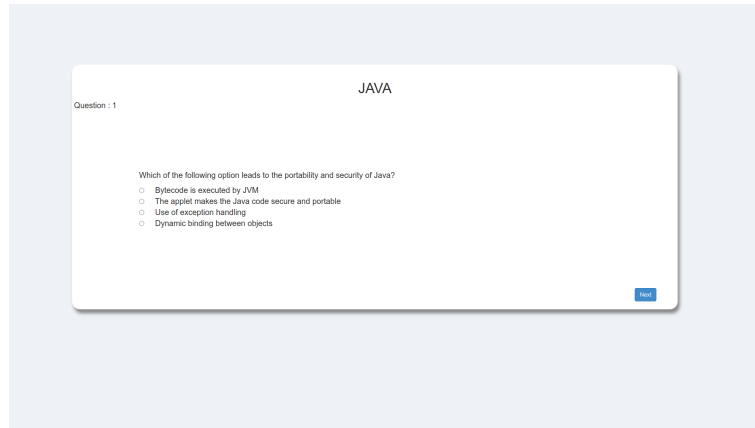


Figure 6.10: Quiz First Page



Figure 6.11: Quiz Last Page

Quiz first and last pages when we select the number of questions as 4.

## 6.11 Score Page

This page shows the final score of the quiz.



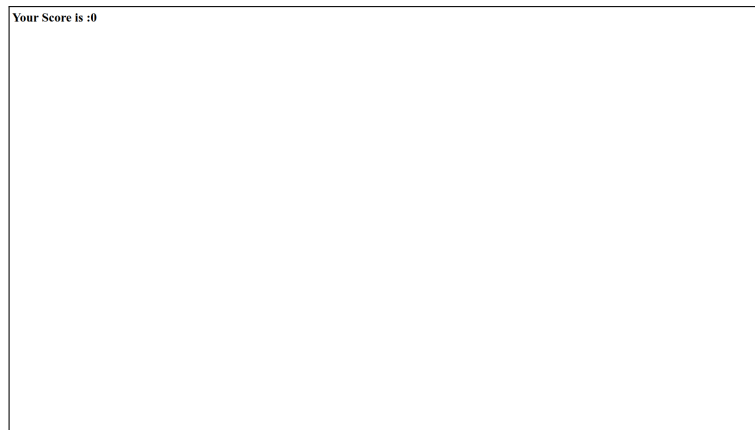


Figure 6.12: Score Page

## Chapter 7

### Conclusion

This application will help us to efficiently evaluate the candidate thoroughly through a fully automated system that not only saves lot of time but also gives fast results. For students or user they give papers according to their convenience and time and there is no need of using extra thing like paper, pen etc.

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