



ONLINE QUIZ SYSTEM WITH STUDENT, TEACHER AND ADMIN LOGIN USING WEB TECHNOLOGIES

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Abstract:

This paper presents the design and development of an Online Quiz System with separate login modules for Student, Teacher, and Admin. Teachers can create and manage quizzes, students can attempt quizzes and view results, while the admin manages users and system settings. The system provides automatic evaluation and instant result generation, making it suitable for diploma and undergraduate level academic projects.

Keywords: Online Quiz System, Student Login, Teacher Login, Admin Login, Web Application, Database

1. INTRODUCTION

Online examination systems reduce manual work and improve efficiency in assessment. This project automates quiz creation, evaluation, and result generation using web technologies.

2. SYSTEM OVERVIEW

The system supports three user roles with separate dashboards. HTML, CSS, and JavaScript are used for frontend and Python with Django/Flask is used for backend. Database stores all quiz and user data.

3. MODULE DESCRIPTION

A. Admin Module – Manages users, subjects, and system settings.

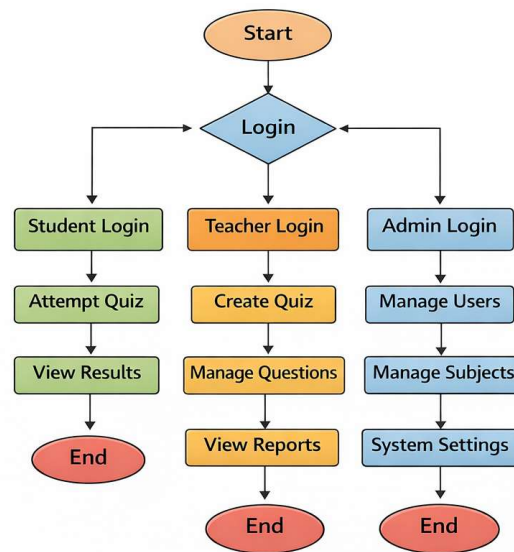
B. Teacher Module – Creates quizzes, adds questions, and views reports.

C. Student Module – Attempts quizzes and views results.

4. SYSTEM FLOWCHART

Figure 1 shows the flow of Student, Teacher, and Admin login and their activities.

Quiz System Flowchart

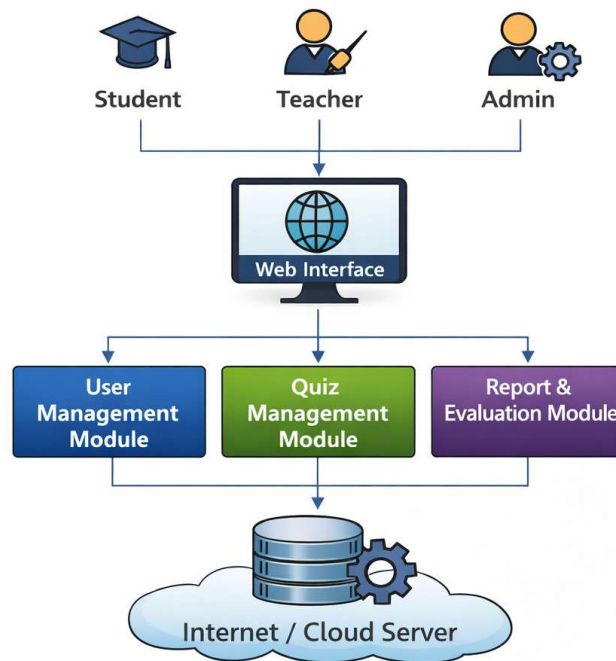


Quiz System Flowchart

5. SYSTEM ARCHITECTURE

Figure 2 shows the overall architecture of the Online Quiz System.

System Architecture



6. IMPLEMENTATION DETAILS

Role-based authentication is implemented. Quiz evaluation is automatic. Database tables store users, questions, answers, and results.

7. ADVANTAGES

- Secure login
- Automatic evaluation
- Time saving
- Easy to use
- Paperless system

8. FUTURE SCOPE

Future enhancements may include mobile apps, AI-based analysis, webcam proctoring, and LMS integration.

9. CONCLUSION

The proposed Online Quiz System provides an efficient platform for conducting online assessments with separate Student, Teacher, and Admin logins.

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