

Online Examination System Using Django

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Abstract- *An online live examination system is a software solution, that allows a selected institute to rearrange, conduct and manage examinations via a web environment. This can be done through the web, Intranet, and/or native space Network environment. delivery the live observation feature was the key challenge accumulating into the system.*

Indexed Terms- *Django, Online Examination System*

I. INTRODUCTION

The online examination system could be a Multiple-choice question (MCQ) primarily based examination system. It provides a simple to use environment for each test Conductor and Student showing Examination. Online examinations are directed online or offline. It tends to be directed either disconnected or on the web. it's the latest strategy for taking the test. online Examination System could be a technology- driven thanks to changing examination nation activities like process exam patterns with question banks, defining exam timers, objective/ subjective question sections, and conducting exams on the pc or mobile devices in an exceedingly paperless manner.

II. PROJECT OBJECTIVES

- Provides complete site solution with python technology, including part enlistment, giving tests, and storing of results.
- The administrator likewise can change the Question must give answer types like different right answer choices and one right answer choice. Test screen must give alternatives likewise.
- System must able to calculate the examination marks and display the result quickly after completing the exam.
- System has incredible logical access the

executives setup, every client must be recognized by client email id, and a secret key confirmation strategy is connected to verify the examination framework.

- This web application takes care of the authentication of the administrator, Instructor, and student. The advanced computerized system is developed to get over the draw-backs of the existing manual system

III. SCOPE

This can be used in educational institutions as well as in corporate world. Can be used anywhere any time as it is a web based application. No restriction that examiner has to be present when the candidate takes the test.

IV. PROPOSED SYSTEM

This application is used to conduct on-line examinations. the students will sit at individual terminals and log in to put in writing the test within the given period. The questions have to be compelled to need to the students. This application can perform correction, show the result instantly and additionally store it within the database. This application provides the administrator with a facility to feature new exams. This application provides the trainer to feature questions to the test and modify questions in the test during a specific test

V. IMPLEMENTATION

A. SYSTEM REQUIREMENTS

Many implementations may exist for a given specification

1) Hardware Requirements:

- RAM: minimum 4GB.
- Processor: i3 and higher.

2) Software Requirements:

- Vscode
- Python (3.8 and above)
- Windows (7 and above)

B. TECHNOLOGY

1) FRONTEND:

- Html.
- Css.
- Bootstrap

2) BACKEND:

- PYTHON.
- DJANGO Framework

3) Database:

- db-SQLite.

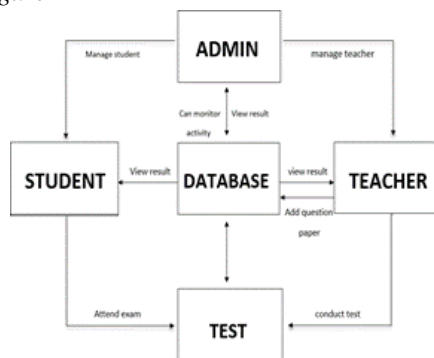
C. Registration in Website

- Step 1: Start.
- Step 2: Register to the website.
- Step 3: If already register then login to the website.
- Step 4: New users can register on the register page.
- Step 5: Once the user registered, provide the user name and password on the Login page.

D. Conduct the Exam

- Step 1: Start.
- Step 2: Click on the start button
- Step 3: The student will wait for the exam and during the exam, he can exit.
- Step 4: Then click to end exam.

E. Figure



BLOCK DIAGRAM

Fig. 1. Block diagram.

In this project students can participate in examinations from a remote location and get their results instantly after finishing the exam. To participate in the exam they should have proper access to the internet or local area network. They can even use their tablet, or smartphones to participate in the examination using this system. At the same time teachers or controllers can create questions and can conduct exams without going to an exam hall and as well as can monitor exam progress in live mode.

CONCLUSION

This web application provides the facility to conduct on-line examinations world-wide. It saves time because it allows several students to provide the exam at a time and displays the results as the test gets over, therefore there is no need to await the result. It's automatically generated by the server. The teacher should create, modify and delete the test paper and its particular question. The user will register, log in, and give the exam along with his specific id, and can see the result also.

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