TOPIC : ONLINE EXAM PORTAL

Abstract

Online Exam Portal project in java is a web application that provides a platform for conducting online examinations. This Project is performing all the crud operations like z CREATE/RETRIEVE/UPDATE/DELETE functions. It is a web application through which examiners can conduct online examinations and students can attempt those examinations.It helps students in self assessing their results. Admin can add examination on a date of their interest and enter an objective-type question-answers along with the correct answers.Students need to enroll and give the examination.Just after submitting, the students will be able to review their submissions and check the results.

In this project,the first task is to gain the relevant facial structures and their locations from the image received by the camera. One structure needed is the location of the eye within the image. The gaze direction cannot be gained directly. But it can be derived indirectly from the location of the pupil. As the pupil is the part of the eye, which absorbs the light, it is directed to the location the person is looking at. Therefore, you can determine the gaze direction indirectly by determining the location of the center of the pupil relatively to the location of the eye. In conclusion, the information that has to be derived from the image are the locations of the eyes and pupils.

The following are the major objective of the application:

1. To provide an online platform to conduct examinations

2. To allow admin to add examination and set question paper

3. To allow students to give online examination and see results

4. To maintain a complete record of examination and results obtained by the

students.

5. To allow any person to access the examination.

6. To provide an platform for users to self assess their knowledge in various

categories like knowledge in java,python etc.

There are three types of actors in the application:-

ADMIN

• Admin can ADD examination

• Admin can VIEW/EDIT/DELETE the list of examinations

• Admin can SEARCH the examination by Name

• Admin can ADD questions and their respective answers

• Admin can VIEW results

• Admin can SEARCH results by Exam Name or Student Name

• Admin can view its Profile

USER (STUDENT)

• User can VIEW the examination list

• User can give examination

• User VIEW the result list

• User can view his/her Profile

EXAMINER

- Examiner can ADD examination
- Examiner can VIEW/EDIT/DELETE the list of examinations
  • Examiner can ADD questions and their respective answers

Features
  ➢ Setting Timer
  ➢ Implementing Loader
  ➢ Email Notification after writing exam
  ➢ Eye tracking
  ➢ Result-Pdf generation

Benefits:

• Helps Students in self assessing their results.

• Reduced administrative burden.

• Quicker to mark and issue results.

• It saves time.

• It saves money.

• It is secure.

Working of Natural System

Student needs to attend the exam in offline mode.He/she must carry halltickets,pen,pencil,etc for entering the exam hall and occupy at their own seats assigned by the authority.Student must not be able to know the results after the exam.The results will be published online.

Working of Designed System

Student/User needs to attend the exam in online mode.He/She can login into the examination portal with their password and attend the same.They can view the result from their own account after the exam.Also they can view his/her Profile and evaluate the results.

Eg: Hackerrank,Examsnet

Technologies used

Back-end: Spring Boot

Front-End: Angular

Database: MySQL