Student Project Allocation and Management with Online Testing System (SPM)

Dept. of Computer Science & Engineering

SUBMITTED TO: Ms. Anjana Sangwan

SUBMITTED BY:

Jinendra Jain (18ESKCS073)
Khushboo Rathore (18ESKCS081)
Krati Chauhan (18ESKCS082)
Kshitij Kumawat (18ESKCS085)

OBJECTIVE

This project is aimed at developing a web-based system, which manages the activity of "Student Project Management" and "Online Testing".

This system will manage the database and maintain a list of all student groups that have registered on this site, conduct their online test and shortlist those students who have passed the eligibility criteria as set by the professor

RESPONSIBILITIES OF GROUP MEMBERS

DOMAIN	Jinendra Jain	Khushboo Rathore	Krati Chauhan	Kshitij Kumawat
ORM	✔	✔		
Django Framework	✔	✔		
Django-allauth	✔			
HTML , CSS			✔	✔
Javascript			✔	✔
Bootstrap			✔	✔

TOOLS AND TECHNOLOGY USED

Python

Python is a widely used general-purpose, high level programming language.

It was designed with an emphasis on code readability, and its syntax allows programmers to express their concepts in fewer lines of code.

Django

Django is a high-level Python web framework that enables rapid development of secure and maintainable websites.

Built by experienced developers, Django takes care of much of the hassle of web development, so you can focus on writing your app .

It is free and open source, has a thriving and active community, great documentation, and many options for free and paid-for support.

Database – SQLite3

SQLite is an in-process library that implements a

self-contained,

serverless , zero-configuration , transactional SQL database engine.

The code for SQLite is in the public domain and is thus free for use for any purpose,

commercial or private. SQLite is the most widely deployed database in the world with

more applications than we can count, including several high-profile-projects

Design Tool – HTML , JS , Bootstrap ,CSS

HTML : HTML stands for Hyper Text Markup Language .HTML is the

standard markup language for creating Web pages.HTML describes the

structure of a Web page.HTML consists of a series of elements.HTML

elements tell the browser how to display the content

Java Script : Javascript is a lightweight , cross platform , and interpreted scripting language. It is well-known for the development of web pages, many non-browser environments also use it.

CSS : Cascading Style Sheets is a style sheet language used for describing the presentation of a document written in a markup language such as HTML. CSS is a cornerstone technology of the World Wide Web, alongside HTML and JavaScript.

Bootstrap : Bootstrap is a free and open-source CSS framework directed at responsive, mobile-first front-end web development. It contains CSS- and JavaScript-based design templates for typography, forms, buttons, navigation, and other interface components.
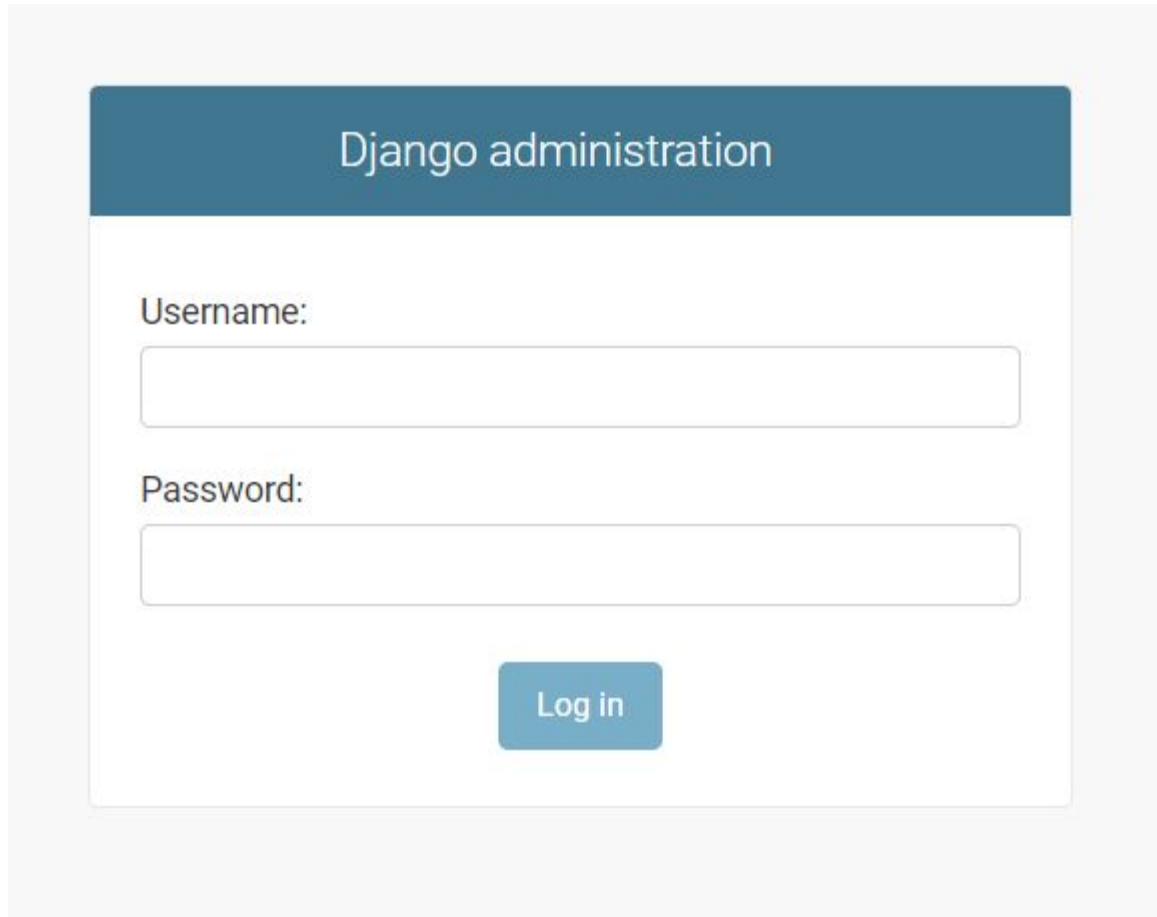
OUTCOME

This system will help you to manage the database and maintain a list of all student groups that have registered on this site, conduct their online test and shortlist those students who have passed the eligibility criteria as set by the professors.

The Student Project Allocation contains various options such as login/logout, data management by grouping same type of data, online test, etc. which will give an interactive experience to users. It will be secure with a password so the data can be used by only those who have an id and password.

KEY POINTS

1. The main Purpose of the system is to efficiently evaluate the candidate thoroughly through a fully automated system that not only saves time but also gives fast results and saves paper.

2. It is a cost-effective and popular means of mass - evaluation system.

3. The faculty prepares the test and questions for each exam.

4. The candidate can login through the client computers with their login id given to them and can take the exam.

SCREENSHOTS OF PROJECT

Fig 1 : Sign- in page

SCREENSHOTS OF PROJECT

Fig 2 : Dashboard

SCREENSHOTS OF PROJECT

Quiz 1

Quiz Description

Description

[Start Quiz]

Last Attempt : Dec. 1, 2021, 4:14 a.m.

Total Attempts : 11

Maximum Marks Obtained : 10

Marks Obtained in Last Attampt : 5

Passed : True

Fig 3 : Quiz format

SCREENSHOTS OF PROJECT

Web Based School Admin System

Project Description

This project is aimed at developing a school administration system which can streamline the administration of school. It's often felt that the school management is chaotic in nature. It involves many administrative work and co-ordination. This project is to develop and deploy a web based application so that the different aspects of a school administration become easy to handle.

Assigned To

#	First Name	Last Name	Username
1			admin@gmail.com

Fig 4 : Assigned Project Format

SCREENSHOTS OF PROJECT

Site administration

ACCOUNTS		
Email addresses	+ Add	Change

AUTHENTICATION AND AUTHORIZATION		
Groups	+ Add	Change
Users	+ Add	Change

PROJECTS		
Projects	+ Add	Change

QUIZAPP		
Answers	+ Add	Change
Questions	+ Add	Change
Quizs	+ Add	Change
Scores	+ Add	Change

SITES		
Sites	+ Add	Change

SOCIAL ACCOUNTS		
Social accounts	+ Add	Change

Fig 5 : Database Structure

CONCLUSION

The proposed Student Project Allocation And Management with Online Testing System is based on the internet so that data can be accessed by any system and from any place.

It will also take the test of student and will make a list of students who all pass in the exam so that it will be easy for any institute to keep records while at the a student can check their results and class rank.

FUTURE SCOPE

The project has a very vast scope in future. The project can be implemented on intranet in future. Project can be updated in near future as and when requirement for the same arises, as it is very flexible in terms of expansion.

The following are the future scope for the project:

1) Total aggregate calculation on the basis of all assignments and quiz.

2) Bar code Reader based attendance system

3) Individual Attendance system with photo using Student login