



NEXT GEN EMPLOYABILITY PROGRAM

Creating a future-ready workforce

STUDENT NAME : PRASANNA S

STUDENT ID : au820621104312

COLLEGE NAME : ARASU ENGINEERING COLLEGE

CAPSTONE PROJECT

Project Title

Voting Application using Django Framework- PRASANNA S(4312,AEC)

Abstract | Problem Statement | Project Overview | Proposed Solution |
Technology Used | Modelling & Results | Conclusion



ABSTRACT

The Django framework, assures a solid and scalable base. The web-based architecture of the proposed voting application enables users to establish and take part in online votes. The Django framework, a well-liked and robust Python-based web framework that offers a solid foundation for creating scalable and secure online applications, is used in the construction of the application. Along with being scalable and adaptable, the program has a modular architecture that makes modification and extension simple. Because of this, it may be applied to a variety of use cases, ranging from intimate internal voting to extensive public elections. All things considered, the suggested voting application provides a safe, convenient, and adaptable online voting platform. Its emphasis on security and user experience, along , making it an excellent and provides a better security to web applications.

PROBLEM STATEMENT

With more organizations and governments using digital platforms to hold elections and surveys, online voting has grown in popularity in recent years. Online voting does, however, come with a number of drawbacks, mostly with regard to security and integrity. The suggested voting application aims to tackle the issues of security and integrity in online voting, while simultaneously offering an intuitive platform for conducting votes online. Its emphasis on security and user experience, along with its usage of the Django framework, will make it an excellent option for a variety of voting scenarios. The program will emphasize user experience in addition to security, with a clear and simple interface that makes it easy for users to create and participate in votes. The application will support multiple types of votes, including single-choice and multiple-choice votes, and will allow users to set deadlines and restrictions for each vote.

PROJECT OVERVIEW

- 1.Establishing a Django Project:** To provide the framework for the voting application, create a Django project.
- 2.Creating the Database Schema:** Establish the framework for the database that will hold user data, vote tallies, and other pertinent information.
- 3.Establishing User Authentication:** To enable users to sign up, log in, and take part in voting, implement user authentication.
- 4.Creating the Voting Interface:** Create the user interface that allows users to browse options, make selections, and cast ballots.
- 5.Putting Real-time Results into Practice:** Present the voting results in real-time to give users immediate feedback.
- 6.Creating an Admin Panel:** To efficiently manage the candidates, user accounts, and voting process, create an admin panel.

DETAILED SOLUTION

Developing a safe and user-friendly online voting platform is the suggested solution for a voting application built with the Django framework. Users of the app will be able to register, cast ballots, and see the results in real time. The Django framework will serve as the cornerstone for developing the application because of its scalability and resilience. In order to manage elections, candidates, and user accounts effectively, the program will feature an admin panel, a secure database, real-time results, and an easy-to-use interface. In conclusion, the Django framework-based voting application that has been suggested offers a safe, adaptable, and user-friendly online voting platform. Its emphasis on security and user experience, along with its use of the Django framework, assures a solid and scalable base, making it an excellent ideal choice for a wide range of voting scenarios.

Log in | Voting Admin Area

127.0.0.1:8000/admin/login/?next=/admin/

Transcriber snapmint PYTHON - A to Z Fu... Paraphrasing Tool -... Entertainment activi... Linkr.com | Edit Page

POLL SITE

Username:

Prasanna

Password:

Log in



POLL SITE

Welcome to POLL SITE!

This our POLL SITE web page!

[View Available Poll Query!](#)

Select question to change | Vote | +

127.0.0.1:8000/admin/pollApp/question/

Transcriber | snapmint | PYTHON - A to Z Fu... | Paraphrasing Tool ~... | Entertainment activi... | Linkr.com | Edit Page

POLL SITE

WELCOME, PRASANNA. [VIEW SITE](#) / [CHANGE PASSWORD](#) / [LOG OUT](#)

Home » Pollapp » Questions

Start typing to filter...

AUTHENTICATION AND AUTHORIZATION

Groups + Add

Users + Add

POLLAPP

Questions + Add

Select question to change

ADD QUESTION +

Action:

 Go 0 of 2 selected

☐ QUESTION

☐ What brand is your first mobile?

☐ what is the purpose of the "cookie" in web development?

2 questions



POLL SITE

What brand is your first mobile?

Redme	1 vote
Oppo	0 votes
none of above	0 votes

[Back To Polls](#)[Vote again?](#)

POLL SITE

What brand is your first mobile?

Redme	1 vote
Oppo	0 votes
none of above	0 votes

[Back To Polls](#)[Vote again?](#)

POLL SITE

WELCOME, PRASANNA. VIEW SITE / CHANGE PASSWORD / LOG OUT

Home > Authentication and Authorization > Users

Start typing to filter...

AUTHENTICATION AND AUTHORIZATION

Groups + Add

Users + Add

POLLAPP

Questions + Add


Successfully deleted 1 user.

Select user to change



Search

Action: ----- Go 0 of 1 selected

<input type="checkbox"/>	USERNAME	EMAIL ADDRESS	FIRST NAME	LAST NAME	STAFF STATUS
<input type="checkbox"/>	Prasanna	prasannaraja64@gmail.com			

1 user

ADD USER +

FILTER

Show counts

By staff status

All
Yes
No

By superuser status

All
Yes
No

By active

All
Yes
No

Technology Used

FRONT-END



BACK-END



CONCLUSION

A good understanding of HTML, CSS, Bootstrap, Django, and Python programming to design a voting application using Django. The development process entails starting a fresh Django project, building a Django application, specifying models, views, templates, and locations. Features like a user-friendly interface, a secure database design, and real-time results can further improve the program. An admin panel for controlling elections, candidates, and user accounts may also be included. All things considered, a voting application built using the Django framework is a strong and adaptable way to build online voting systems that meet different needs and use cases.