# E - Voting Created Using Django

This E - Voting System Was Developed With Django(Python Framework).

Feel free to make changes based on your requirements.

If you like this project, then ADD a STAR ⭐️ to this project 👆

This Voting System web application built using Django can serve as the automated voting system for organizations and/or institutions. The system works like the common election manual system of voting whereas the system must be populated by the list of the positions, candidates, and voters. The E-voting system can help a certain organization or school to minimize the voting time duration because aside providing the voters an online platform to vote, the system will automatically count the votes for each candidate. The system has 2 sides of the user interface which are the administrator and voters side. The admin user is in charge to populate and manage the data of the system and the voter side which is where the voters will choose their candidate and submit their votes.

[Front-end Template](http://adminlte.io "Admin LTE.io")

## Features:

- [x] Vote preview

- [x] Multiple votes

- [x] Result tally via Horizontal Bar Chart

- [x] Print voting results in PDF

- [x] Changeable order of positions to show in the ballot

- [x] CRUD voters

- [x] CRUD candidates

- [x] CRUD positions

- [x] Plugins

- [x] AdminLTE Template

### A. Admin Users Can

1. See Overall Summary Charts of Votes

2. Reset Votes

4. Manage Voters (CRUD)

5. Manage Candidates (CRUD)

6. Manage Positions (CRUD)

7. Change Ballot Style (Ballot Position)

8. Update/Change Ballot Title

### B. Voters Can

1. Register

2. Login

3. Verify with OTP (This can be overwritten in `settings.py` file)

4. Votes for their favourite candidates

5. View candidates they voted for

## 📸 ScreenShots

<figure>

<img

src="ss/DB.png"

alt="The beautiful MDN logo.">

<figcaption>Database Design</figcaption>

</figure>

| Admin| Voter|

|------|-------|

|<img src="ss/admin/1.png" width="400">|<img src="ss/voter/1.png" width="400">|

|<img src="ss/admin/2.png" width="400">|<img src="ss/voter/2.png" width="400">|

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|<img src="ss/admin/15.png" width="400">|------- ------ ------ ------|

|<img src="ss/admin/16.png" width="400">|------- ------ ------ ------|

|<img src="ss/admin/17.png" width="400">|------- ------ ------ ------|

|<img src="ss/admin/18.png" width="400">|------- ------ ------ ------|

## Support Developer

1. Add a Star 🌟 to this 👆 Repository

2. Follow on Twitter/Github

## Passport/Images

Images are from [Unsplash](https://unsplash.com)

### Pre-Requisites:

1. Install Git Version Control

[ https://git-scm.com/ ]

2. Install Python Latest Version

[ https://www.python.org/downloads/ ]

3. Install Pip (Package Manager)

[ https://pip.pypa.io/en/stable/installing/ ]

\*Alternative to Pip is Homebrew\*

### Installation

\*\*1. Create a Folder where you want to save the project\*\*

\*\*2. Create a Virtual Environment and Activate\*\*

Install Virtual Environment First

```

$ pip install virtualenv

```

Create Virtual Environment

For Windows

```

$ python -m venv venv

```

For Mac

```

$ python3 -m venv venv

```

For Linux

```

$ virtualenv .

```

Activate Virtual Environment

For Windows

```

$ source venv/scripts/activate

```

For Mac

```

$ source venv/bin/activate

```

For Linux

```

$ source bin/activate

```

\*\*3. Clone this project\*\*

```

$ git clone https://github.com/jobic10/e-voting-with-django.git

```

Then, Enter the project

```

$ cd e-voting-with-django

```

\*\*4. Install Requirements from 'requirements.txt'\*\*

```python

$ pip3 install -r requirements.txt

```

\*\*5. Run migrations and migrate\*\*

```python manage.py makemigrations```

```python manage.py migrate```

\*\*6. Now Run Server\*\*

Command for PC:

```python

$ python manage.py runserver

```

Command for Mac:

```python

$ python3 manage.py runserver

```

Command for Linux:

```python

$ python3 manage.py runserver

```

\*\*7. Login Credentials\*\*

Create Super User (HOD)

Command for PC:

```

$ python manage.py createsuperuser

```

Command for Mac:

```

$ python3 manage.py createsuperuser

```

Command for Linux:

```

$ python3 manage.py createsuperuser

```

Then Add Email and Password

\*\*or Use Default Credentials\*\*

\*For HOD /SuperAdmin\*

Email: admin@admin.com

Password: admin

\*For Staff\*

Email: staff@staff.com

Password: staff

\*For Student\*

Email: student@student.com

Password: student

## For Sponsor or Projects Enquiry

1. Email - jobowonubi@gmail.com

2. LinkedIn - [jobic10](https://www.linkedin.com/in/jobic10 "Owonubi Job Sunday on LinkedIn")

2. Twitter - [jobic10](https://www.twitter.com/jobic10 "Owonubi Job Sunday on Twitter")

## How the system works

Administrator is required to have created candidates.

Before creating candidates, the admin must have created positions

After doing this, the voters can vote (provided that they are registered and verified)

## How do voters get verified ?

OTP is sent to voter's phone. In a case of OTP delivery error, voter can request for OTP again.

The OTP is sent via an SMS gateway.

Voters can request for OTP for a maximum of three times.

Same OTP is sent to voters

## Can OTP verification be bypassed ?

Yeah, sure.

Open `settings.py` and toggle `SEND\_OTP` to `False`

Then, wait till server restarts

## Open to contribution ?

Yeah. Pull requests are welcomed.

## Having any issue using this ?

Please, let us know. Open up an issue.