



ioVote Documentation

Installation Guide

This guide will help you install and set up the **ioVote** project on your local machine.

Prerequisites

Before installation, make sure you have the following installed:

- ✓ Python 3.10+
- ✓ Git
- ✓ Virtual environment (`venv`)
- ✓ PostgreSQL (optional, for production setup)

Installation Steps

Step 1: Clone the Repository

Run the following command to clone the project from GitHub:

```
git clone https://github.com/Wolodmr/iovote.git
cd iovote
```

Step 2: Create a Virtual Environment

- ✓ Create a virtual environment to manage dependencies:

```
python -m venv venv
```

- ✓ **Activate the virtual environment:**

- **Windows:**

```
venv\Scripts\activate
```

- **Mac/Linux:**

```
source venv/bin/activate
```

Step 3: Install all required dependencies using `pip`:

```
pip install -r requirements.txt
```

This will install Django, required libraries, and other dependencies necessary for the project.

Step 4: Apply database migrations to set up the database schema:

```
python manage.py migrate
```

This step initializes all necessary database tables for user authentication, voting sessions, and results tracking.

Step 5: To access the admin panel, create a superuser by running:

```
python manage.py createsuperuser
```

Follow the prompts to set up an admin username, email, and password.

Step 6: Start the Django development server:

```
python manage.py runserver
```

Once the server starts, open your browser and visit:

<http://127.0.0.1:8000>