# Todo List Django Project

A simple Todo List application built using Django and PostgreSQL. This project helps manage tasks with features like task creation, completion tracking, and user management.

## Features

- Task creation with title and description

- Task completion tracking

- User management system

- Responsive user interface using Bootstrap

## Technologies Used

- \*\*Django\*\*: Python-based web framework

- \*\*PostgreSQL\*\*: Relational database management system

- \*\*Bootstrap\*\*: Frontend framework for responsive design

- \*\*Python\*\*: Programming language for backend logic

- \*\*SQLite\*\* (used in development): Default Django database engine

## Requirements

- Python 3.x

- Django 4.x

- PostgreSQL (or SQLite for development)

- pip (for installing dependencies)

## Installation

### Clone the repository

```bash

git clone <repository\_url>

cd todo\_list

**Install dependencies**

Create a virtual environment (recommended) and install the necessary dependencies:

bash

python -m venv venv

source venv/bin/activate # On Windows, use 'venv\Scripts\activate'

pip install -r requirements.txt

**Set up the database**

Make sure PostgreSQL is installed and running on your machine.

1. Create a new PostgreSQL database.
2. Update DATABASES settings in settings.py to reflect your PostgreSQL credentials.

**Run migrations**

bash

python manage.py migrate

**Create a superuser**

Create an admin user to access the Django admin panel:

bash

python manage.py createsuperuser

**Run the development server**

bash

python manage.py runserver

Now you can access the app at <http://127.0.0.1:8000/>.

**Contributing**

Feel free to fork this repository, submit issues, or create pull requests.

**License**

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You can replace `<repository\_url>` with the actual URL of your project repository. This is just a basic structure for a Django project, so feel free to add more sections (like testing, deployment, etc.) as needed.

Let me know if you need any changes!