This README provides information on setting up and using your Django project with Docker.

# Django Multicontainer-Docker Project

This is a Django project with multicontainer setup using Docker.

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## Prerequisites

Make sure you have the following installed on your machine:

- Docker: [Get Docker](https://docs.docker.com/get-docker/)

- Docker Compose: [Install Docker Compose](https://docs.docker.com/compose/install/)

## Setup

1. Clone the repository:

```bash

git clone https://github.com/your-username/your-repository.git

cd your-repository

1. Create a virtual environment (optional but recommended):

python -m venv venv

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

1. Install project dependencies:

pip install -r requirements.txt

1. Create a .env file and set your environment variables:

SECRET\_KEY=your-secret-key

DEBUG=True

MONGO\_DB\_NAME=productdb

MONGO\_DB\_HOST=mongo

MONGO\_DB\_PORT=27017

1. Apply Django migrations:

python manage.py migrate

1. Run the Django development server:

python manage.py runserver

Visit http://127.0.0.1:8000/ in your browser.

1. Docker Compose

Use Docker Compose to orchestrate the multicontainer setup:

docker-compose up --build

Visit http://127.0.0.1:8000/ in your browser.

1. Dockerfile

The project includes a Dockerfile for containerization. To build and run the Docker image:

docker build -t your-image-name .

docker run -p 8000:8000 your-image-name

1. Contributing

Fork the repository and submit a pull request.