# BluberryDB Installation Guide

## Prerequisites:

* Ensure you have Python installed (version 3.7 or later).

You can download it from Python's official website: <https://www.python.org/downloads/>

* Install Git if not already installed.

You can get it from Git's official website: <https://git-scm.com/downloads/>

* Ensure Docker is running on your system.

You can download it from: <https://www.docker.com>

* Ensure you have a virtual environment tool such as venv or virtualenv installed

You can download virtualenv from [Python's official website](https://packaging.python.org/en/latest/guides/installing-using-pip-and-virtual-environments/)

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## Installation Steps:

### Clone the Repository:

Open a terminal or command prompt and run:  
git clone <https://github.com/chandanaNukala/BluberryDB.git>

After cloning change the directory:

cd BluberryDB

Checkout to master branch:

git checkout master

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### Set Up a Virtual Environment:

Run the following command to create a virtual environment:  
  
python -m venv venv

Or

python3 -m venv venv  
  
Activate the virtual environment:

Windows: venv\Scripts\activate

Mac/Linux: source venv/bin/activate

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### Backend (Django) setup:

Navigate to backend directory: cd backend

Stop any active running containers: docker-compose down

Build the docker image docker-compose build

Start the backend docker container docker-compose up -d

Wait for the docker to spin up all the containers and setup the environment.

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First you need to create a Superuser who can function as admin to approve the registered users:

Access the web Container: docker-compose exec web bash

Create the superuser: python manage.py createsuperuser

Follow the prompts (setup email and password), Make sure to remember these credentials

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### FronEnd (React) setup:

Open another terminal and navigate to frontend folder in BluberryDB

Naviagte to frontend folder: cd frontend

Install Dependencies: npm install

Start the frontend server: npm start

### Usage:

To access the web application (React): <http://localhost:3000>

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Now you can access the admin portal using <http://localhost:8000/admin>

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