

Installation Manual

Setting Up Virtual Environment and Django

Prerequisites

1. Ensure you have Python 3 installed on your system.

```
python3 --version
```

Open your terminal in your system for installation process:

- **Step 1: Install Virtual Environment**

Open your terminal.

Run the following command to install python3-virtualenv:

```
sudo apt install python3-virtualenv
```

- **Step 2: Set Up a Virtual Environment**

- ❖ Navigate to the directory where you want to create your project.

```
mkdir BasicApp  
cd BasicApp
```

- ❖ Create a virtual environment named myenv using Python 3:

```
virtualenv -p python3 myenv
```

- ❖ Activate the virtual environment:

```
source myenv/bin/activate
```

- **Step 3: Install Django**

- ❖ Install Django using pip:

```
python3 -m pip install Django
```

- **Step 4: Create a Django Project**

- ❖ Create a new Django project named BasicProject:

```
django-admin startproject BasicProject .
```

- **Step 5: Run the Django Development Server**

- ❖ Navigate into the project directory:

```
cd BasicProject
```

- ❖ Run the Django development server:

```
python3 manage.py runserver
```

Open your web browser and visit <http://127.0.0.1:8000> to view your Django project.

