

A Step-by-Step Guide on Deploying GroupF's Django WebApp

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April 3, 2020

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1 Phase1: Pre-requisite

```
sudo apt remove python
sudo apt remove python-pip
sudo apt install python3
sudo apt install python3-pip python3-dev mysql-server libmysqlclient-dev
sudo pip3 install pipenv
```

```
git clone https://github.com/SidB16/Help-Desk-Web-App.git
virtual environment's name is: Help-Desk-Web-App
database's name is: chat
```

2 Phase2: Using pipenv to deploy a Django Project

```
pipenv shell //start shell
```

```
pipenv lock
```

```
\textbf{Once (Help-Desk-Web-App) appears after locking}
pip3 install django mysqlclient djangorestframework channels
```

```
\section{Phase3: Cofigure the DB for webapp}
created a DB on mysql:
```

1) Login as root.

```
sudo mysql -u root -p
```

2) Once mysql cli is active,

```
CREATE DATABASE mydatabase;
CREATE USER 'sid16'@'localhost' IDENTIFIED BY 'p';
GRANT ALL PRIVILEGES ON mydatabase.* TO 'sid16'@'localhost';
FLUSH PRIVILEGES;
```

3) Test

```
show grants for 'sid16'@'localhost';
```

4) Exit mysql cli through "exit"

5) cd chat/

6) vi settings.py ==> change to ==> sid16 and mydatabase

3 Phase4: Deployment

```
python3 manage.py makemigrations
python3 manage.py migrate
python3 manage.py createsuperuser
python3 manage.py runserver 0.0.0.0:8000
```