# **Digits & Letter Recognition Manual**

## **Pre-requisites**

* Python 3.5 or 3.6 must be installed
* Pip installed

## **Steps**

1. **Install Virtual Environment (if not already installed)**

* Open cmd/terminal
* pip install virtualenv **(Windows)**
* sudo pip3 install virtualenv **(Linux)**

1. **Make a virtual environment**

* Open **cmd/terminal** and navigate to (EMnist-Digit-Letter-Website) folder

**Linux**

* Type **virtualenv <name of your virtual environment>** and hit enter
* Type **source <name of your virtual environment> /bin/activate** and hit enter

**Windows**

* Type **virtualenv <name of your virtual environment>** and hit enter
* Type **cd <name of your virtual environment> /Scripts** and hit enter
* Type **activate.bat** and hit enter
* Type **cd ../../**

1. **Install required libraries**

* Open **cmd/terminal** and navigate to (EMnist-Digit-Letter-Website) folder
* Type **pip install -r requirements.txt** and hit enter (Windows)
* Type **sudo pip install -r requirements.txt** and hit enter (Linux)

1. **Run website**

* Open **cmd/terminal** and navigate to (EMnist-Digit-Letter-Website) folder
* Type **Python app.py** and hit enter (Windows/Linux)

1. **Copy link from cmd/terminal and paste in browser and Have fun**

<http://127.0.0.1:5000/digits_demo> Digits demo

<http://127.0.0.1:5000> Characters demo