

## Step 1: Create a Virtual Environment

First, navigate to the project's WebSummarizerShortner directory. Then, create a virtual environment using the following command:

```
python -m venv venv
```

This command creates a new directory named `venv` where the virtual environment is stored. You can replace `venv` with any name you prefer for your virtual environment.

## Step 2: Activate the Virtual Environment

Before installing any packages, you need to activate the virtual environment. The activation command differs based on your operating system.

**On Windows:**

**In cmd:**

```
venv\Scripts\activate.bat
```

**On macOS/Linux:**

```
source venv/bin/activate
```

You'll know the virtual environment is activated because its name will appear at the beginning of the terminal prompt.

## Step 3: gitignore

In the WebSummarizerShortner directory, if there isn't one already, create a `.gitignore` file, and add,

```
/venv
```

To the file and save.

## Step 4: Install Requirements

With the virtual environment activated, install the necessary packages. If you have a `requirements.txt` file, you can install all the required packages with the following command:

```
pip install -r requirements.txt
```

## Step 5: Run Python Files

Now you can run the `server.py` file after navigating to the server directory, run the file in the activated `venv`

```
python server.py
```

create your own OpenAI API

## Step 1: Create an OpenAI API Key

Go to the [OpenAI API](#) website and log in or create an account if you don't have one.

You will find on the left hand side once your logged in an API keys section, there create a new secret key, and copy it, make sure you copy it since you won't be able to again. (Make a new key if you didn't copy).

## Step 2: Save the API Key to a `.env` File

Navigate to the `server` directory in your project:

```
cd path/to/your/project/WebSummarizerShortner/server
```

Create a new `.env` file if it doesn't already exist:

```
touch .env
```

Open the `.env` file in a text editor and add your API key in the following format:

```
OPENAI_API_KEY= 'your_api_key_here'
```

Replace `your_api_key_here` with the actual API key you obtained from OpenAI. Make sure the key is in quotes.

### **Step 3: gitignore**

Navigate to WebSummarizerShortner directory and update your gitignore with the new .env with,

```
/server/.env
```