To install the `recipe\_scraper` and `selenium` packages in Python, you'll need to follow these steps:

# 1. Install Python3.9

Ensure you have Python installed on your system. You can download Python from the official website: [Python Downloads](https://www.python.org/downloads/). Follow the installation instructions for your specific operating system.

# 2. Set up a Virtual Environment

Setting up a virtual environment is a good practice to isolate your project's dependencies. You can create a virtual environment using the following commands:

| ```bash # On Windows python -m venv myenv  # On macOS and Linux python3 -m venv myenv ``` |
| --- |

Replace `myenv` with the name you want to give to your virtual environment.

# 3. Activate the Virtual Environment:

On Windows:

| ```bash myenv\Scripts\activate ``` |
| --- |

On macOS and Linux:

| ```bash source myenv/bin/activate ``` |
| --- |

Your command prompt should now indicate that you are in the virtual environment.

# 4. Install `recipe\_scraper` and `selenium` using `pip`:

With the virtual environment active, you can use `pip` to install the packages. Run the following commands:

| ```bash pip install recipe\_scraper pip install selenium ``` |
| --- |

This will download and install both the `recipe\_scraper` and `selenium` packages along with their dependencies.

# 5. Install a Web Driver (for Selenium):

To use Selenium, you'll need a web driver specific to Chrome. Here are the steps for Chrome:

* -Download the ChromeDriver executable from the official website: [ChromeDriver Downloads](https://sites.google.com/chromium.org/driver/)
* - Place the downloaded ChromeDriver executable in a directory that is included in your system's `PATH` environment variable.

# 6. Test Your Installation:

You can test if the installation was successful by opening a Python shell in your virtual environment and trying to import the packages:

| ```python import recipe\_scraper from selenium import webdriver ``` |
| --- |

If you don't encounter any errors, it means the installation was successful.

# 7. Modify recipe\_scraper package:

Navigate to “YourPythonDirectory\Lib\site-packages”. Search for \_abstract.py and modify it as below.

| import requests from bs4 import BeautifulSoup  from recipe\_scrapers.settings import settings  from .\_grouping\_utils import IngredientGroup from .\_schemaorg import SchemaOrg  # some sites close their content for 'bots', so user-agent must be supplied HEADERS = {    "User-Agent": 'Mozilla/5.0 (iPad; CPU OS 12\_2 like Mac OS X) AppleWebKit/605.1.15 (KHTML, like Gecko) Mobile/15E148'   } |
| --- |

Now, you're ready to use the recipe\_scraper and selenium packages for your web scraping and automation needs.