**Major Projects Crawler**

**Overview**

major\_projects\_crawler.py is a Python script that uses Selenium to scrape project data from the City of Richmond's Major Projects webpage. It collects details about projects, including title, description, budget, date, and document URLs, and saves this information into a JSON file.

**Features**

* Scrapes the major projects listed on the specified webpage.
* Extracts project details including title, description, budget, date, and document URLs.
* Saves the collected data into a JSON file for further use.

**Requirements**

This script requires Python and several Python packages. The following requirements.txt file lists the required packages:

To install these dependencies, run:

pip install -r requirements.txt

**Setup**

1. **Download ChromeDriver**: Ensure that the ChromeDriver executable is available on your system. Download it from ChromeDriver and update the chrome\_driver\_path in the script to the location of your ChromeDriver executable.
2. **Install Dependencies**: Install the required Python packages using requirements.txt.
3. **Run the Script**: Execute the script by running the following command in your terminal:

python major\_projects\_crawler.py

**Script Details**

* **Initialization**: The script sets up a Selenium WebDriver instance to interact with the Chrome browser.
* **Web Scraping**: It navigates to the specified URL and extracts project information from the page.
* **Data Extraction**: The script fetches project details such as title, URL, description, budget, date, and document URLs.
* **Data Storage**: Extracted data is saved in a JSON file in the project\_output directory.