Part 1: EC2 Instance Management using Boto3

You are tasked with using the Boto3 library to manage an Amazon EC2 instance. Follow the instructions below:

* Create an EC2 instance with a public address assigned to it.
* Implement a method that allows you to stop and start the instance.
* Configure the EC2 instance to run only on alternate days (Monday, Wednesday, Friday, Sunday) between 9:00 AM GMT to 11:30 AM GMT. Ensure that the instance remains stopped during the remaining time to avoid unnecessary costs.

Please provide the Python code demonstrating your implementation. Make sure to include proper documentation and comments to explain your code.

Part 2: Web Scraping Task

In addition to the EC2 instance management, we'd like you to showcase your web scraping skills by completing the following task:

Using any Python libraries of your choice (such as Beautiful Soup, Scrapy, or Requests), write a program to scrape data from a website of your choosing. The data you extract can be related to products, articles, or any other relevant content available on the website. You are required to:

* Choose a website for scraping.
* Extract specific information from the website's pages, such as product details, article titles, or any other relevant data.
* Store the scraped data in a structured format (e.g., CSV, JSON) for further analysis.

Please include this web scraping program along with your submission for the EC2 instance management task. Make sure to include clear comments and documentation to explain the purpose and functionality of your web scraping code.

Submission Guidelines:

* Organize your code neatly and provide relevant comments.
* Use separate files for the EC2 instance management and web scraping tasks.
* Include any required dependencies or setup instructions.
* Submit your solution as a compressed archive (ZIP or TAR) or a link to a version control repository (GitHub, GitLab, etc.).

We look forward to reviewing your implementation. If you have any questions or need clarification, please feel free to reach out. Good luck!