

## **BEM 106: Homework #4 Description**

**Goal:** The goal of this homework is to get you started with web scraping using Python's Requests and BeautifulSoup libraries.

Some websites use tools to detect (and prevent) scraping. Thus, for this homework, you will scrape information from an artificially created website:

<https://books.toscrape.com/>

### *Part 1*

Obtain and input into a Pandas dataframe the title (column 1), price (column 2), and the number of stars in the rating (column 3) of the first 20 books that show up when you open up the website.

### *Part 2*

Using a loop, complete Part 1 again but for each type of book. That is, create 51 separate dataframes of those three columns for Travel, Mystery,..., Crime.

### *Part 3*

Finally, find and export into one list all the UPCs (under Product Information) of books that have the word "Boys" in the title.