Manual Test Plan

Manual test plan for Assignment 2.0 - Building a Digital Library

Environment

Windows 10

PyCharm Community Edition 2020.3.3 x64

Python 3.8

Json/Pymongo/BeautifulSoup/requests installed

Scraping

By entering the following arguments to start the main.py
https://www.goodreads.com/book/show/4386485-animals-make-us-human is the start url

```
-a
"https://www.goodreads.com/book/show/4386485-animals-make-us-human"
-b
200
-c
50
-d
"new_author"
-e
"new_book"
-f
"data.txt"
```

-a is the start website

-b is the amount of books

-c is the amount of authors

-d is the book collections' name user wants to put

-e is the author collections' name user wants to put

-f is the Json file name user wants to put

Since the amount of book and author exceeds a specific number, the console will output a warning for users.

After connecting to the database successfully, this message will pop up.
If troubles happen while connecting, the program will output "connect error" and exit.

When the program starts to scrape a certain book website, the console will show the websites' url and the sequence.

Since the author will be scraped during the books' scraping process, the overall sequence is based on books.

Traversal order: Start book -> its authors -> pup similar books url into queue
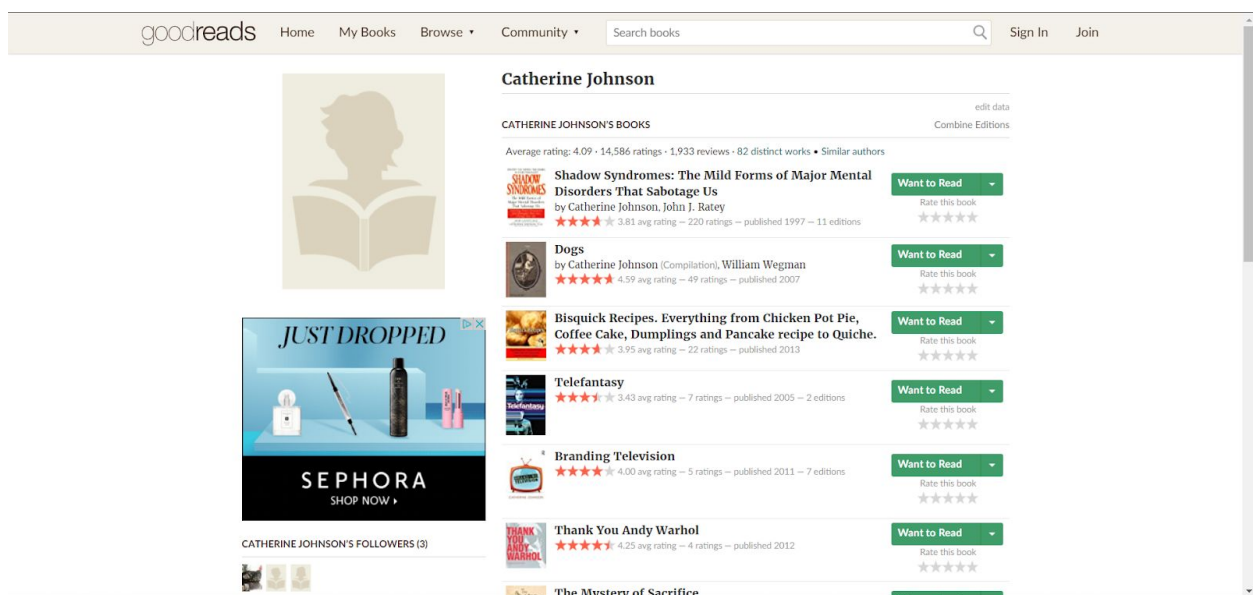
If a certain author does not have an image, an exception message will show that this author does not have an image.
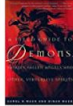
```
https://www.goodreads.com/book/show/7600090-only-317-survived # 30
this book does not have image
```

If a certain book does not have some information, the console will also show the corresponding message.

data.new_author

COLLECTION SIZE: 17.31KB   TOTAL DOCUMENTS: 17   INDEXES TOTAL SIZE: 36KB

Find   Indexes   Schema Anti-Patterns **0**   Aggregation   Search Indexes ●

INSERT DOCUMENT

FILTER {"filter":"example"}   Find   Reset

QUERY RESULTS **1-17 OF 17**

```
_id: ObjectId("603d82d1709312e0830dd93c")
name: "Temple Grandin"
author_url: "https://www.goodreads.com/author/show/1567.Temple_Grandin"
author_id: "1567"
rating: "4.08"
rating_count: "47,861"
review_count: "5,164"
image_url: "https://images.gr-assets.com/authors/1241222068p5/1567.jpg"
> related_authors: Array
> author_books: Array
```

```
_id: ObjectId("603d82d1709312e0830dd93d")
name: "Catherine  Johnson"
author_url: "https://www.goodreads.com/author/show/1431310.Catherine_Johnson"
author_id: "1431310"
rating: "4.09"
rating count: "14 586"
```

From the database, we can see we input data in the database while we are
scraping.

_id: ObjectId("603d82d1709312e0830dd93c")
name: "Temple Grandin"
author_url: "https://www.goodreads.com/author/show/1567.Temple_Grandin"
author_id: "1567"
rating: "4.08"
rating_count: "47,861"
review_count: "5,164"
image_url: "https://images.gr-assets.com/authors/1241222068p5/1567.jpg"
∨ related_authors: Array
    0: "David Sedaris"
    1: "Steven Pinker"
    2: "Cesar Millan"
    3: "Patricia B. McConnell"
    4: "V.S. Ramachandran"
    5: "Ellen Notbohm"
    6: "Lewis Thomas"
    7: "Tito Rajarshi Mukhopadhyay"
    8: "John Elder Robison"
    9: "Turid Rugaas"
    10: "Sarah Hendrickx"
    11: "Barry M. Prizant"
    12: "Rudy Simone"
    13: "Steve Silberman"
    14: "Tony Attwood"
    15: "Naoki Higashida"
    16: "Barry S. Strauss"
    17: "Jeannie Davide-Rivera"
    18: "Caroline Peckham"
    19: "Candace Robinson"
    20: "Laura   James"
    21: "Amy Bruni"
∨ author_books: Array
    0: "Thinking in Pictures: My Life with Autism"
    1: "Animals in Translation: Using the Mysteries of Autism to Decode Animal..."
    2: "The Autistic Brain: Thinking Across the Spectrum"
    3: "Animals Make Us Human: Creating the Best Life for Animals"
    4: "The Way I See It: A Personal Look at Autism & Asperger's"
    5: "Emergence: Labeled Autistic"
    6: "Unwritten Rules of Social Relationships: Decoding Social Mysteries Thr..."

This is the database format for author

related authors and author books will be shown as an array.

_id: ObjectId("603d82d1709312e0830dd93b")
book_url: "https://www.goodreads.com/book/show/4386485-animals-make-us-human"
title: "Animals Make Us Human: Creating the Best Life for Animals"
book_id: "4386485"
isbn: "9780151014897"
author_url: Array
    0: "https://www.goodreads.com/author/show/1567.Temple_Grandin"
    1: "https://www.goodreads.com/author/show/1431310.Catherine_Johnson"
author: Array
    0: "Temple Grandin"
    1: "Catherine Johnson"
rating: "4.01"
rating_count: "5409"
review_count: "784"
image_url: "https://i.gr-assets.com/images/S/compressed.photo.goodreads.com/books/..."
similar_books: Array
    0: "For the Love of a Dog: Understanding Emotion in You and Your Best Frie..."
    1: "Be the Pack Leader: Use Cesar's Way to Transform Your Dog . . . and Yo..."
    2: "The Genius of Dogs: How Dogs Are Smarter than You Think"
    3: "Zoobiquity: The Astonishing Connection Between Human and Animal Health"
    4: "The Other End of the Leash: Why We Do What We Do Around Dogs"
    5: "Canine Confidential: Why Dogs Do What They Do"
    6: "Cesar's Way: The Natural, Everyday Guide to Understanding and Correcti..."
    7: "Our Dogs, Ourselves: How We Live with Dogs Now"
    8: "What Miss Mitchell Saw"
    9: "Some We Love, Some We Hate, Some We Eat: Why It's So Hard to Think Str..."
    10: "The Body Language and Emotion of Cats"
    11: "The Library of Legends"
    12: "Brief Counseling That Works: A Solution-Focused Therapy Approach for S..."
    13: "The Lion, the Witch and the Wardrobe: A Graphic Novel"
    14: "Into The Heart Of Africa"
    15: "The Monkey Wars"
    16: "Elephant Don: The Politics of a Pachyderm Posse"
    17: "My Traitor's Heart: A South African Exile Returns to Face His Country,..."
    18: "The Devil That Danced on the Water: A Daughter's Quest"

This is the database format for book
Author, author_url and similar books will be shown as an array.

It will take about 20 - 30 minutes to scrape 200 books and 50 authors depend on
the network condition and starting website.

data.author

COLLECTION SIZE: 49.67KB   TOTAL DOCUMENTS: 50   INDEXES TOTAL SIZE: 36KB

data.book

Environment

Check scraping data

```
_id: ObjectId("603d9f1620149896bb72f0a8")
name: "Temple Grandin"
author_url: "https://www.goodreads.com/author/show/1567.Temple_Grandin"
author_id: "1567"
rating: "4.08"
rating_count: "47,869"
review_count: "5,164"
image_url: "https://images.gr-assets.com/authors/1241222068p5/1567.jpg"
> related_authors: Array
> author_books: Array
```

TEMPLE GRANDIN'S FOLLOWERS (1,090)

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Temple Grandin

Born	in The United States
	December 03, 1947
Website	http://www.templegrandin.com/
Twitter	DrTempleGrandin

edit data

Temple Grandin, Ph.D., didn't talk until she was three and a half years old, communicating her frustration instead by screaming, peeping, and humming. In 1950, she was diagnosed with autism and her parents were told she should be institutionalized. She tells her story of "groping her way from the far side of darkness" in her book *Emergence: Labeled Autistic*, a book which stunned the world because, until its publication, most professionals and parents assumed that an autism diagnosis was virtually a death sentence to achievement or productivity in life.

Even though she was considered "weird" in her young school years, she eventually found a mentor, who recognized her interests and abilities. Dr. Grandin later developed her talents into a succ ...more

TEMPLE GRANDIN'S BOOKS   Combine Editions

Average rating: 4.08 · 47,860 ratings · 5,163 reviews · 109 distinct works • Similar authors

All equal

_id: ObjectId("603d9f1620149896bb72f0a7")
book_url: "https://www.goodreads.com/book/show/4386485-animals-make-us-human"
title: "Animals Make Us Human: Creating the Best Life for Animals"
book_id: "4386485"
isbn: "9780151014897"
> author_url: Array
> author: Array
  rating: "4.01"
  rating_count: "5409"
  review_count: "784"
  image_url: "https://i.gr-assets.com/images/S/compressed.photo.goodreads.com/books/..."
> similar_books: Array

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Animals Make Us Human: Creating the Best Life for Animals
by Temple Grandin, Catherine Johnson

★★★★½ 4.01 · Rating details · 5,409 ratings · 784 reviews

The best-selling animal advocate Temple Grandin offers the most exciting exploration of how animals feel since The Hidden Life of Dogs.

In her groundbreaking and best-selling book Animals in Translation, Temple Grandin drew on her own experience with autism as well as her distinguished career as an animal scientist to deliver extraordinary insights into how animals think, a ...more

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Hardcover, 352 pages
Published January 6th 2009 by Houghton Mifflin Harcourt

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Edition Language   English
Other Editions (18)

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