

Prerequisites: In order to operate the website, navigate to the included “authorScraper” directory and enter “flask run” into your terminal. After that, simply visit the local host.

Tests:

Case 1 Successfully add an author:

To add an author to the database, select “Add an author” then enter the desired information

Add an author to the database

Name

Author URL

Rating

Rating Count

Review Count

Image URL

Submit author

and hit submit author. After this we see a success message if the information was provided

Data was successfully added to Mongo

properly.

Case 2: Check to see the author was added

After adding our test author and receiving a success message, we can check the MongoDB collection to ensure that it has been uploaded successfully.

```
_id: ObjectId("60501e547f8b2f8144d5f6b8")
name: "TestAuthor"
author_url: "testauthorurl"
rating: "3.14"
rating_count: "325"
review_count: "873"
image_url: "testimageauthorurl"
```

Case 3: Successfully add a book

To add a book to the database, select “Add a book” then enter the desired information, then hit

Add a book to the database

Title

TestBook

Book URL

testbookurl

Author URL

TestAuthorUrl

Author

TestAuthor

Rating

4.2

Rating Count

254

Review Count

12

Image URL

testimageurl2

Submit book

“Submit book”. After this we get aa success message if the provided information was proper.

Data was successfully added to Mongo

Case 4: Check to see the book was added

After adding our test book and receiving a success message, we can check the MongoDB collection to ensure that it has been uploaded successfully.

```
_id: ObjectId("60501f637f8b2f8144d5f6b9")
title: "TestBook"
book_url: "testbookurl"
author_url: "TestAuthor"
author: "TestAuthor"
rating: "4.2"
rating_count: "254"
review_count: "12"
image_url: "testimageurl2"
```

Case 5: Check that we can update an author's name by ID

Navigate to "Update an author" and enter the test author's ID number as well the attribute to be changed, in this case the name.

ID

Attribute to update

New value

[Submit update](#)

Data was successfully added to Mongo

Case 6: Check that the author's name has been changed in the database

```
_id: ObjectId("60501e547f8b2f8144d5f6b8")  
name: "Changed Name"  
author_url: "testauthorurl"  
rating: "3.14"  
rating_count: "325"  
review_count: "873"  
image_url: "testimageauthorurl"
```

As we can see the specified attribute has been changed.

Case 7: Check that we can update a book's title by ID

Navigate to "Update a book" and enter the test book's ID number as well the attribute to be changed, in this case the title

Update a book in the database

ID

Attribute to update

New value

[Submit update](#)

Data was successfully added to Mongo

Case 8: Check that the book's title has been changed in the database

```
_id: ObjectId("60501f637f8b2f8144d5f6b9")
title: "Changed Title"
book_url: "testbookurl"
author_url: "TestAuthor"
author: "TestAuthor"
rating: "4.2"
rating_count: "254"
review_count: "12"
image_url: "testimageurl2"
ti: ""
```

After refreshing the page, we see that it has

Case 9: Ensure that we can change specific attributes of a book if desired:

Update a book in the database

ID

Attribute to update

New value

Submit update

```
_id: ObjectId("60501f637f8b2f8144d5f6b9")
title: "Changed Title"
book_url: "testbookurl"
author_url: "TestAuthor"
author: "TestAuthor"
rating: "4.2"
rating_count: "254"
review_count: "12"
image_url: "testimageurl2"
ti: ""
bookurl: "changed_url"
```

Case 10: Ensure that we can change specific attributes of an author if desired:

Update author in the database

ID

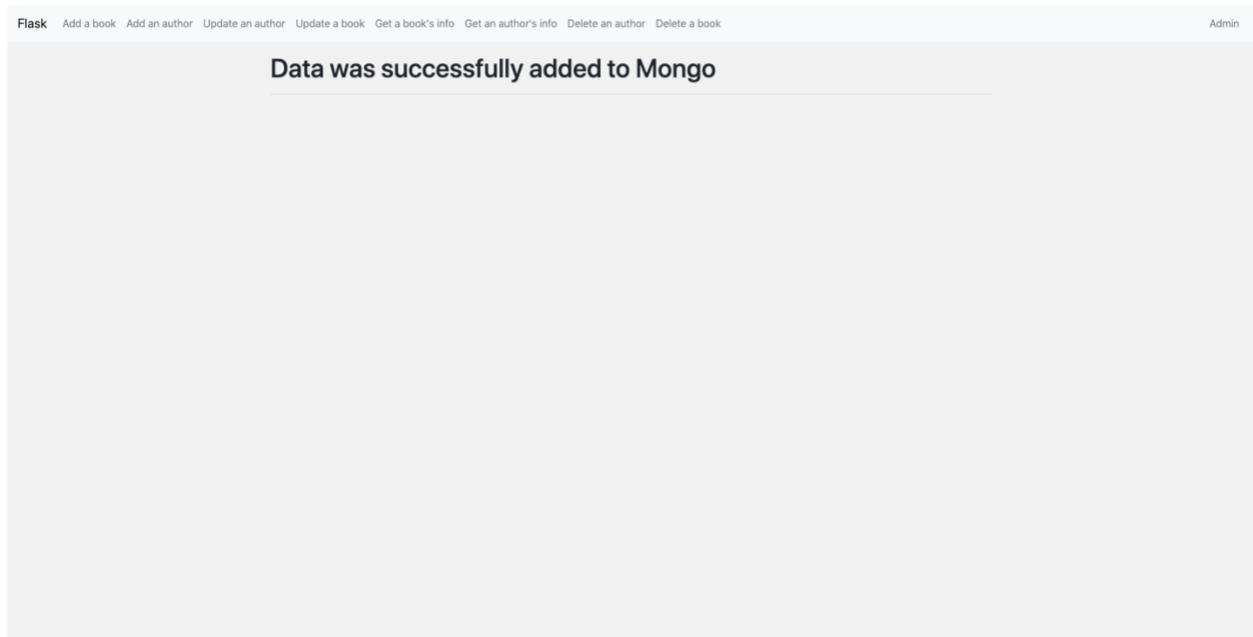
Attribute to update

New value

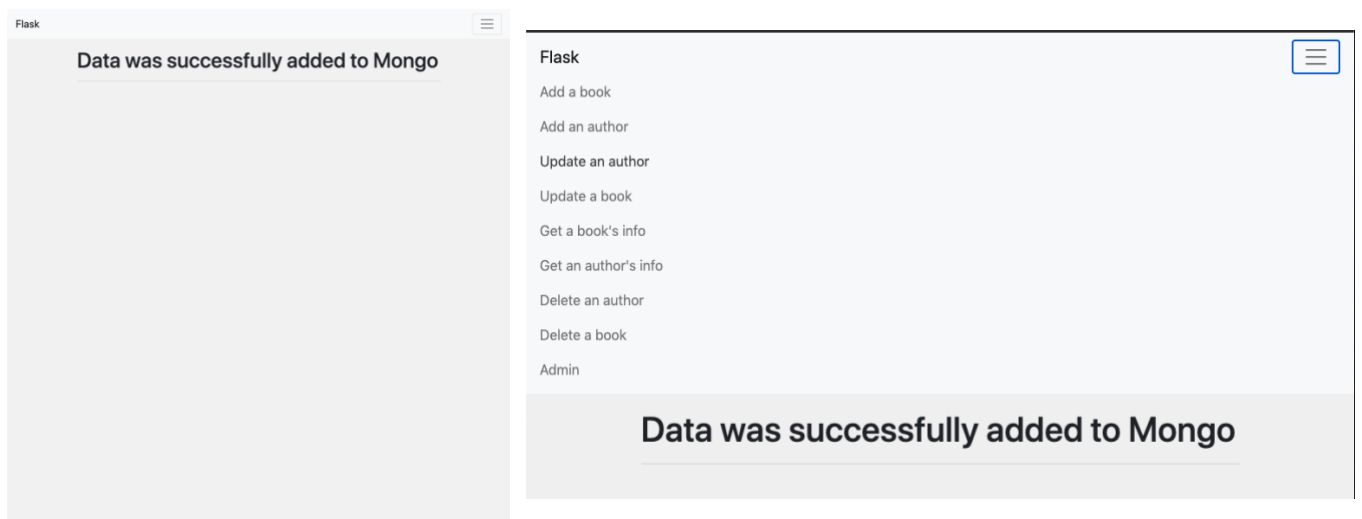
[Submit update](#)

```
_id: ObjectId("60501e547f8b2f8144d5f6b8")  
name: "Changed Name"  
author_url: "testauthorurl"  
rating: "4.9"  
rating_count: "325"  
review_count: "873"  
image_url: "testimageauthorurl"
```

Case 11: Ensure that the application can adjust to varying screen sizes:
Here is the website stretched to the full screen



And as we shrink the size of the window, the application remains in frame and turns the site



navigation into a more compact drop-down menu

Case 12: Ensure that we can successfully get information about a book:

After inputting the ID from our test book, we see all the information neatly presented

Get a book from the database

ID

Submit update

Book was found in Mongo

Title Changed Title

Book URL testbookurl

Author URL TestAuthor

Author TestAuthor

Rating 4.2

Rating count 254

Review count 12

Image URL testimageurl2

Case 13: Ensure that we need to request a book's ID in proper format:

After inputting the ID from our test book but modifying it so that it is not a 24 character hex, we see the appropriate error on screen

Get a book from the database

ID

Submit update

ERROR: The requested ID must be a 24 character hex

Case 14: Ensure that we need to request an existing book ID:

After requesting an ID which does not currently exist in the database, we see the appropriate error on screen

Get a book from the database

ID

Submit update

ERROR: The requested book 's ID was not found

Case 15: Ensure that we can successfully get information about an author:

After inputting the ID from our test author, we see all the information neatly presented

Get an author from the database

ID

60501e547f8b2f8144d5f6b8

Submit update

Author was found in Mongo

Name Changed Name

Author URL testauthorurl

Rating 4.9

Rating count 325

Review count 873

Image URL testimageauthorurl

Case 16: Ensure that we can remove authors from the database
Navigate to “Delete an author” and enter the ID of our test author

Delete the author in the database

ID

Submit update

QUERY RESULTS 1-1 OF 1

```
_id: ObjectId("60501f637f8b2f8144d5f6b9")
title: "Changed Title"
book_url: "testbookurl"
author_url: "TestAuthor"
author: "TestAuthor"
rating: "4.2"
rating_count: "254"
review_count: "12"
image_url: "testimageurl2"
ti: ""
bookurl: "changed_url"
```

We can now see that the author has been removed and only the test book remains

Case 17: Ensure that we can remove books from the database
Navigate to “Delete a book” and enter the ID of our test book

Delete the book from the database

ID

60501f637f8b2f8144d5f6b9

Submit update

QUERY RESULTS 0

Case 18: Ensure that we cannot remove authors who are not in the database

Delete the author in the database

ID

604fdc823dbb58f53aacc51b

Submit update

ERROR: The requested author's 's ID was not found

After requesting a ID from an empty database we get the appropriate error.

Case 19: Return the appropriate error message when requesting an author's info that doesn't exist.

Get an author from the database

ID

604fdc883dbb58f53aacc51d

Submit update

ERROR: The requested author's 's ID was not found

Case 20: Return the appropriate error message when requesting an author's info in the wrong format.

Get an author from the database

ID

604fdc883dbb58f53aacc51

Submit update

ERROR: The requested ID must be a 24 character hex