

Manual test plan.

Environment:

Code editor: Visual Studio Code

Language: Javascript, html

Machine: MacOS

Table of contents:

1. Author/ Book user adding info page
2. Get/Delete data from database page
3. Top kth data visualization for book and author page

Please provide the authors information below. If left empty, it is null by default

Click "Add" if you want to add the info you entered, "clear" if you want to clear the add history.

Author Name:

Author Url:

Author ID:

Rating:

Rating Count:

Review Count:

This is the main entry for users to enter information they want to add to the database.

Please provide the information for the author. If you are not sure, you can click "Add" if you want to add a new author. The "Add" button is null.

10.159.176.220:105 says
You have successfully added a authors!

OK

Author Name:

Author Url:

Author ID:

Rating:

Rating Count:

Review Count:

After clicking “Add” button, the information user entered would be stored in as a list of json and after clicking “Display” button, the author should be able to see the stuff he/she added as shown below. (As we should do the resize function, I did a style in html that can resize the form

for user)

Please provide the authors information below. If left empty, it is null by default

Click "Add" if you want to add the info you entered, "clear" if you want to clear the add history.

Author Name:

Author Url:

Author ID:

Rating:

Rating Count:

Review Count:

```
[
  {
    "name": "Richard Powers",
    "id": "xxx",
    "authorUrl": "xxx",
    "rating": "4.01",
    "ratingCount": "000",
    "reviewCount": "000"
  }
]
```

ure | 10.159.176.220:105/GetById.html?

Author ID:

Book ID:

The next part is get/delete either book or author by id page as shown above. After entering an id for either book or author, the user can request to delete the element associate with that id or to display the information with that id in the page.

Author ID: [Get Author](#) [Delete Author](#)

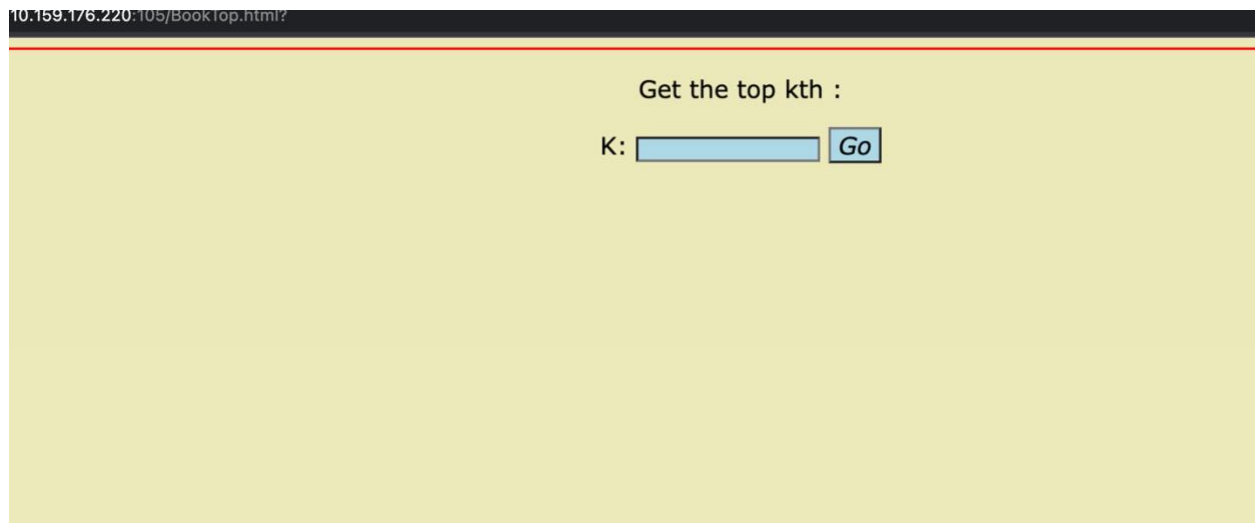
Book ID: [Get Book](#) [Delete Book](#)

```
{
  "id": "615615338da7b9e5ed33ac",
  "author name": "Elie Wiesel",
  "author url": "https://www.goodreads.com/author/show/1049.Elle_Wiesel",
  "author id": 1049,
  "rating": "4.32",
  "rating count": "1112023",
  "review count": "36191",
  "image url": "https://images.gr-assets.com/authors/1255518412p5/1049.jpg",
  "related authors": [
    "https://www.goodreads.com/author/show/7927.Norman_Mailer",
    "https://www.goodreads.com/author/show/11278.Mark_Epstein",
    "https://www.goodreads.com/author/show/1550.Thomas_C_Foster",
    "https://www.goodreads.com/author/show/12080.Ralph_Waldo_Emerson",
    "https://www.goodreads.com/author/show/13364.Sy_Montgomery",
    "https://www.goodreads.com/author/show/19982.Fredrick_Buechner",
    "https://www.goodreads.com/author/show/23924.Martin_Luther_King_Jr.",
    "https://www.goodreads.com/author/show/33608.Enrique_Krauze",
    "https://www.goodreads.com/author/show/62740.Randall_Kennedy",
    "https://www.goodreads.com/author/show/204715.Ted_Gup",
    "https://www.goodreads.com/author/show/212730.Maureen_Jennings",
    "https://www.goodreads.com/author/show/212904.John_Fabian_Witt",
    "https://www.goodreads.com/author/show/266935.Howard_Reich",
    "https://www.goodreads.com/author/show/291125.Alison_Pick",
    "https://www.goodreads.com/author/show/370593.Hans_Ulrich_Rudel",
    "https://www.goodreads.com/author/show/417901.Guy_Newland",
    "https://www.goodreads.com/author/show/423861.Sharon_E_McKay",
    "https://www.goodreads.com/author/show/489673.Kauli_Hart_Hemmings",
    "https://www.goodreads.com/author/show/514853.Bruce_Sanguin",
    "https://www.goodreads.com/author/show/847636.Nina_Siegel",
    "https://www.goodreads.com/author/show/1136376.John_McFetridge",
    "https://www.goodreads.com/author/show/1367127.Carlos_Fuentes",
    "https://www.goodreads.com/author/show/3107572.Lucas_Thompson",
    "https://www.goodreads.com/author/show/6852387.Paula_Pick_DeBord",
    "https://www.goodreads.com/author/show/7034628.Pope_Francis",
    "https://www.goodreads.com/author/show/1639952.Fania_Davis",
    "https://www.goodreads.com/author/show/1750677.Ariel_Burger",
    "https://www.goodreads.com/author/show/20455198.Nancy_Krulik",
    "https://www.goodreads.com/author/show/20501061.Emma_Goldberg",
    "https://www.goodreads.com/author/show/11166.Dawn",
    "https://www.goodreads.com/author/show/11168.Day",
    "https://www.goodreads.com/author/show/12823.The_Night_Triology",
    "https://www.goodreads.com/author/show/13642524.open-heart",
    "https://www.goodreads.com/author/show/11161.The_Trial_of_God",
    "https://www.goodreads.com/author/show/11174.All_Rivers_Run_to_the_Sea",
    "https://www.goodreads.com/author/show/11170.Twilight",
    "https://www.goodreads.com/author/show/13155834-hostage",
    "https://www.goodreads.com/author/show/5936851-a-mad-desire-to-dance",
    "https://www.goodreads.com/author/show/80584.Souls_on_Fire",
    "https://www.goodreads.com/author/show/80595.The_Gates_of_the_Forest",
    "https://www.goodreads.com/author/show/338047.The_Judges",
    "https://www.goodreads.com/author/show/7715654-the-sonderberg-case",
    "https://www.goodreads.com/author/show/80583.Messengers_of_God",
    "https://www.goodreads.com/author/show/192988.The_Town_Beyond_the_Wall",
    "https://www.goodreads.com/author/show/134841.A_Beggar_in_Jerusalem",
    "https://www.goodreads.com/author/show/192989.The_Fifth_Son",
    "https://www.goodreads.com/author/show/192992.The_Oath",
    "https://www.goodreads.com/author/show/488757.The_Time_of_the_Upright",
    "https://www.goodreads.com/author/show/11169.After_the_Darkness",
    "https://www.goodreads.com/author/show/11173.And_the_Sea_is_Never_Full",
    "https://www.goodreads.com/author/show/6629228-rashi",
    "https://www.goodreads.com/author/show/11175.The_Testament",
    "https://www.goodreads.com/author/show/401617.The_Golem",
    "https://www.goodreads.com/author/show/982342.One_Generation_After",
    "https://www.goodreads.com/author/show/52010914-the-tale-of-a-niggun",
    "https://www.goodreads.com/author/show/2166024.Jews_of_Silence",
    "https://www.goodreads.com/author/show/957883.Passover_Haggadah",
    "https://www.goodreads.com/author/show/129917.From_the_Kingdom_of_Memory",
    "https://www.goodreads.com/author/show/338046.A_Jew_Today",
    "https://www.goodreads.com/author/show/1442308.Somewhere_A_Master",
    "https://www.goodreads.com/author/show/80588.Sages_and_Dreamers",
    "https://www.goodreads.com/author/show/2001039.Night_with_Related_Readings",
    "https://www.goodreads.com/author/show/157165.Zalman_Madness_God",
    "https://www.goodreads.com/author/show/417660.Four_Hasidic_Masters_and_their_Struggle_against_Melancholy",
    "https://www.goodreads.com/author/show/9152027-an-ethical-compass",
    "https://www.goodreads.com/author/show/338040.Five_Biblical_Portraits",
    "https://www.goodreads.com/author/show/25323887-nobel-prize-acceptance-speech",
    "https://www.goodreads.com/author/show/16207337-l-ereu-erante",
    "https://www.goodreads.com/author/show/6034485-elie-wiesel-reading-from-his-works-the-gates-of-forest-night-the-song",
    "https://www.goodreads.com/author/show/1437222.King_Solomon_and_His_Magic_Ring",
    "https://www.goodreads.com/author/show/7715585-a-journey-of-faith",
    "https://www.goodreads.com/author/show/54304029-twilight",
    "https://www.goodreads.com/author/show/17316661-c-1-bration-biblique",
    "https://www.goodreads.com/author/show/2569836-souls-on-fire-and-somewhere-a-master",
    "https://www.goodreads.com/author/show/35665473-transport-final-comisia-interna-ional-pentru-studierea-holocaustului-n",
    "https://www.goodreads.com/author/show/338050.Ani_maamin",
    "https://www.goodreads.com/author/show/53472973-the-testament",
    "https://www.goodreads.com/author/show/34320999-le-proc-s-de-shamgorod-ter-qu-il-se-d-roula-le-25-f-vrier-1649",
    "https://www.goodreads.com/author/show/10127341-against-silence",
    "https://www.goodreads.com/author/show/36409681-tacere-impossibile-dialogo-sull-olocausto",
    "https://www.goodreads.com/author/show/1098156.Silences_et_m_moire_d_hommes",
    "https://www.goodreads.com/author/show/29753606-gezeiten-des-schweigens",
    "https://www.goodreads.com/author/show/26354694-le-crepuscule-au-loin",
    "https://www.goodreads.com/author/show/5200808-otage",
    "https://www.goodreads.com/author/show/20442126-unlikely-allies",
    "https://www.goodreads.com/author/show/25353895-le-chant-des-morts",
    "https://www.goodreads.com/author/show/39402432-8th-grade-books",
    "https://www.goodreads.com/author/show/50127568-filled-with-fire-and-light",
    "https://www.goodreads.com/author/show/25768545-night-vocabulary-from-literature",
    "https://www.goodreads.com/author/show/4584506-paroles-d-etranger",
    "https://www.goodreads.com/author/show/54193044-c-1-bration-hassidique-portraits-et-l-gendes",
    "https://www.goodreads.com/author/show/52419772-p-b-ly-o-nad-j",
    "https://www.goodreads.com/author/show/71238.Twentieth_Century_Novelists_Audio_Cassettes",
    "https://www.goodreads.com/author/show/713519.Ethics_and_Memory_Ethik_Und_Erinnerung",
    "https://www.goodreads.com/author/show/4656103-le-testament-de-liou-liou-lian",
    "https://www.goodreads.com/author/show/24851927-sei-riflessioni-sul-talmud",
    "https://www.goodreads.com/author/show/10080502-the-dark-side-of-peace",
    "https://www.goodreads.com/author/show/53925507-souls-on-fire",
    "https://www.goodreads.com/author/show/25982149-signes-d-exode",
    "https://www.goodreads.com/author/show/55004837",
    "https://www.goodreads.com/author/show/55251753-un-jud-o-hoy",
    "https://www.goodreads.com/author/show/39217033",
    "https://www.goodreads.com/author/show/50912055-las-puertas-del-bosque",
    "https://www.goodreads.com/author/show/19447483-rabbi-pinhas-di-korets-ovvero-la-sagezza-hassidica",
    "https://www.goodreads.com/author/show/36387230-credere-o-non-credere",
    "https://www.goodreads.com/author/show/56553235-talmud-port-t-y-a-legendy",
    "https://www.goodreads.com/author/show/45429588-p-b-ly-proti-smutku",
    "https://www.goodreads.com/author/show/55810416-maestr-e-leggende-del-talmud",
    "https://www.goodreads.com/author/show/56553313-talmud-port-t-y-a-legendy",
    "https://www.goodreads.com/author/show/5241624-p-b-ly-o-d-e",
    "https://www.goodreads.com/author/show/56563185-die-weisheit-des-talmud",
    "https://www.goodreads.com/author/show/41715728-the-diary-of-a-young-girl",
    "https://www.goodreads.com/author/show/5984399-a-lucky-child",
    "https://www.goodreads.com/author/show/16175264-the-last-jew-of-treblinka",
    "https://www.goodreads.com/author/show/53154890-this-i-believe-it",
    "https://www.goodreads.com/author/show/51504891-out-of-the-depths",
    "https://www.goodreads.com/author/show/281868.Shoah",
    "https://www.goodreads.com/author/show/1138441-la-arena-pesada",
    "https://www.goodreads.com/author/show/57788.The_Wandering_Jews",
    "https://www.goodreads.com/author/show/40130595-king-of-children",
    "https://www.goodreads.com/author/show/77807.The_Abandonment_of_the_Jews",
    "https://www.goodreads.com/author/show/80599.Elle_Wiesel_s_Night",
    "https://www.goodreads.com/author/show/31338881-i-am-jewish",
    "https://www.goodreads.com/author/show/40130595-king-of-children",
    "https://www.goodreads.com/author/show/575548.Art_from_the_Ashes",
    "https://www.goodreads.com/author/show/8579635-lost-lives-lost-art",
    "https://www.goodreads.com/author/show/21470645-after-the-holocaust-the-bells-still-ring",
    "https://www.goodreads.com/author/show/6723674-un-monde-disparu",
    "https://www.goodreads.com/author/show/3048612-letters-to-my-mother",
    "https://www.goodreads.com/author/show/399251.On_Both_Sides_of_the_Wall",
    "https://www.goodreads.com/author/show/1121083.Karski",
    "https://www.goodreads.com/author/show/6987157-night",
    "https://www.goodreads.com/author/show/25482298-holy-brother",
    "https://www.goodreads.com/author/show/49660576-holocaust-n-rom-nia",
    "https://www.goodreads.com/author/show/154678.The_Righteous_Among_the_Nations",
    "https://www.goodreads.com/author/show/864518.Se_nuire_est_impossible",
    "https://www.goodreads.com/author/show/56566096",
    "https://www.goodreads.com/author/show/58937108-a-noite",
    "https://www.goodreads.com/author/show/56572936",
    "https://www.goodreads.com/author/show/56991639-light",
    "https://www.goodreads.com/author/show/56897402-who-s-who-among-american-high-school-students-1993-1994"
  ]
}
```

The above image is the result of getting the information of author with id "1049". As for book, it's all the same as author's so I will not display the result here.

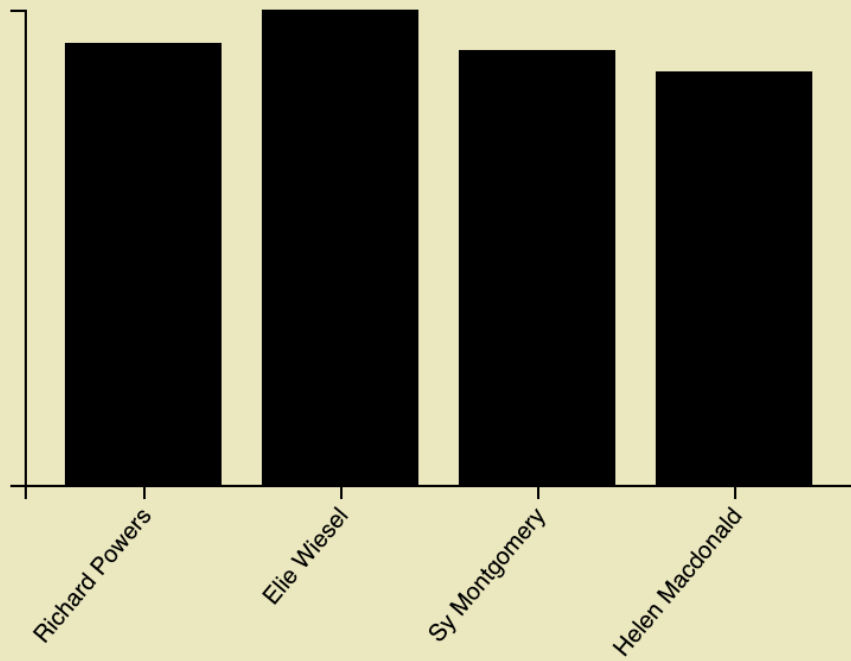
However, I don't know how to test delete function, since when something is deleted by id, it is gone. But I can show that it works during the code review session.

Finally, the data visualization part – get the kth top element in the database. This page is suppose to get the top kth of book/author. But I wasn't able to do this since I used a wrong version of d3.js (too hard to debug).



The screenshot shows a web browser window with the address bar displaying "10.159.176.220:105/BookTop.html?". The main content area has a light yellow background. At the top center, the text "Get the top kth :" is displayed. Below this text, on the left, is the label "K:". To the right of "K:" is a light blue rectangular input field. Further to the right is a small blue button with the word "Go" in white text.

Due to running out of time, I only made a visualization of a hard-coded one as shown below.
(that I didn't figure out the bug is the use of wrong version, which wasted me tons of time)



Get the top kth :

K:

As an additional test for getting book by id, I screenshotted it as below.

[Click to go forward, hold to see history](#)

Author ID: [Get Author](#) [Delete Author](#)

Book ID: [Get Book](#) [Delete Book](#)

```
[ { "_id": { "$oid": "615244bcf1fa90989076a976" }, "title": "\n Instauration\n", "book id": "42073408", "ISBN": "", "author url": "s://www.goodreads.com/author/show/7171979.Sarah_Lyons_Fleming", "author": "Sarah Lyons Fleming", "rating": "\n 4.69\n", "rating count": "1267", "review count": "182", "image url": "https://i.gr-assets.com/images/S/compressed.photo.goodreads.com/books/1537945483/42073408._SY475_.jpg", "similar books": [ "https://goodreads.com/book/show/42073408-instauration", "https://goodreads.com/book/show/38771137-survive", "https://goodreads.com/book/show/48654761-torment", "https://goodreads.com/book/show/42502068-alive", "https://goodreads.com/book/show/41737948-prepared", "https://goodreads.com/book/show/57006919-vengeance", "https://goodreads.com/book/show/48761017-far-from-home", "https://goodreads.com/book/show/20428667-until-the-end", "https://goodreads.com/book/show/36534219-alone", "https://goodreads.com/book/show/51285942-bloody-sunset", "https://goodreads.com/book/show/41033347-bloody-sunrise", "https://goodreads.com/book/show/50311352-blood-moon", "https://goodreads.com/book/show/39652603-odium", "https://goodreads.com/book/show/58244694-mad-world", "https://goodreads.com/book/show/58244546-shattered-world", "https://goodreads.com/book/show/53316846-nurse-alissa-vs-the-ies", "https://goodreads.com/book/show/53489142-far-from-safe", "https://goodreads.com/book/show/55993653-far-from-lost", "https://goodreads.com/book/show/26176950-incubation", "https://goodreads.com/book/show/54644030-the-good-the-bad-and-the-undead", "https://goodreads.com/book/show/58244766-lost-world", "https://goodreads.com/book/show/58244779-new-world", "https://goodreads.com/book/show/58244783-forgotten-world", "https://goodreads.com/book/show/20440598-in-the-end", "https://goodreads.com/book/show/53841104-escape", "https://goodreads.com/book/show/58244787-silent-world", "https://goodreads.com/book/show/58244432-broken-world", "https://goodreads.com/book/show/44652451-the-end-of-rything", "https://goodreads.com/book/show/27389747-outbreak", "https://goodreads.com/book/show/44601726-the-darkest-winter", "https://goodreads.com/book/show/55108006-defy-the-ravaged" ] } ]
```