

# My Book Library

## (Planning)

What is my project about, who is it for, what does it do.

My project is going to be focused on books, it is built and aimed for people who prefer reading and are interested in books. The website pages will provide detailed information about books with their names, genre, author, published year and possibly other information such as book description. This project can help users to find their favored books by using a clear design and layout on website pages.

### Database tables(notes)

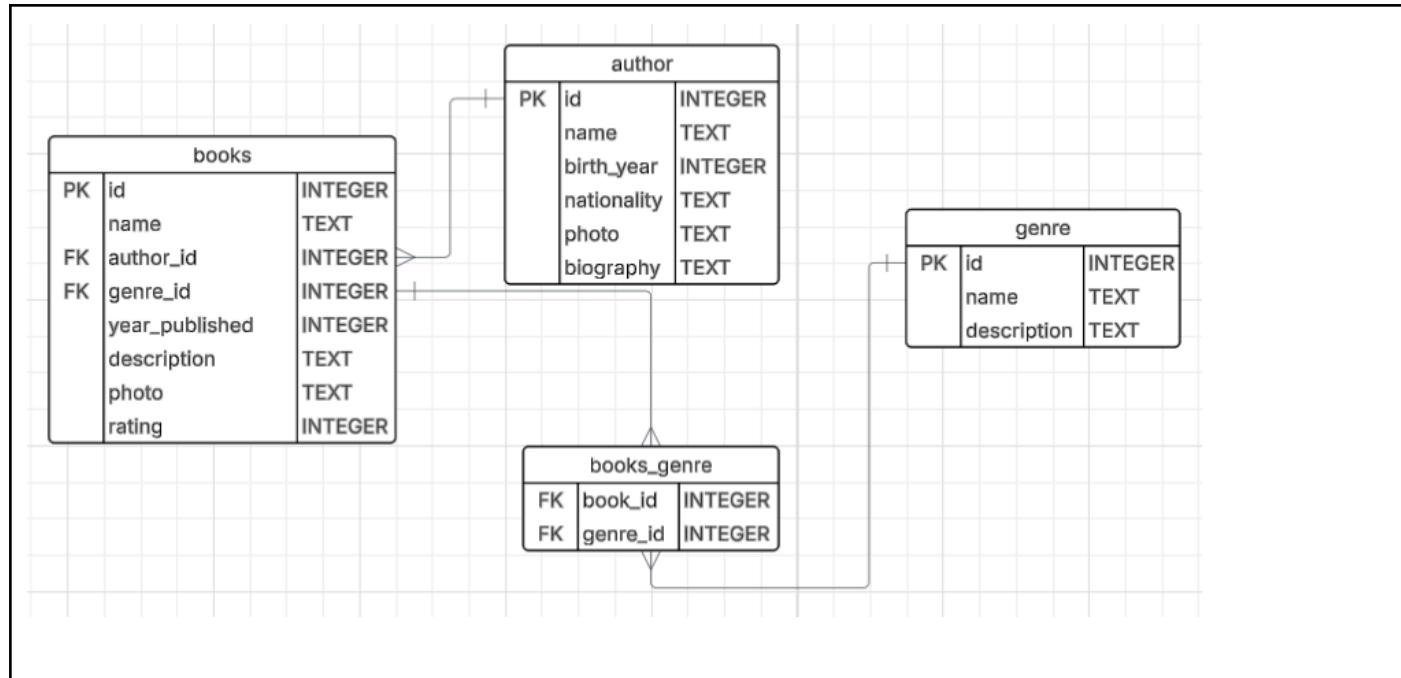
Table 1(books): id , name, author\_id, genre\_id, year\_published, description, photo, rating

Table 2(author): id, name, birth\_year, nationality, photo, biography

Table 3(genre): id, name, description

Table 4(books\_genre): book\_id, genre\_id

### ER diagram



### Website layout (notes)

My project will include 5 pages: Homepage, Books page, Book details page, authors page and genre page.

## 1. Homepage

Layout/colour and information-

- Header - include a title with my website name, use a background colour of slight dark green(#105232) and a font colour of white.
- Navigation Bar - include options of website pages such as book details and authors in the navigation bar, use a background colour of deep blue or light grey(#D3D3D3), font colour of black. Potentially building a log in/sign in system and a search bar as well in this section.
- Section - using a layout of grid include some best books(photos and their names) in my database based on their ratings. The main colour of the page will be likely to be white.
- Footer - Copyrights - using black coloured background and white text

# Website name

Navigation bar - links to pages, maybe log in system

Maybe some info or some sort of introduction about the website

Best books

Grid: Top 10 books( by rating, containing book covers/names )

Copyrights

## 2. Books page

Layout/colour and information-

- Header/ navigation bar - same to the homepage
- Section - using a layout of grid to list out all of the books under their genre, background white/grey to stand out the book covers, having the book names under them. The book names are linked to the correct book detail page.
- Footer - Copyrights

# Website name

Navigation bar - links to pages, maybe log in system

All books

Genre 1

grid: all the books( book covers/names/year published/rating) in genre 1

Genre 2

grid: all the books( book covers/names/year published/rating) in genre 2

Genre 3

grid: all the books( book covers/names/year published/rating) in genre 3

Continue for the rest of genres and books

Copyrights

### 3. Book details page

Layout/colour and information-

- Header/ navigation bar - same to the homepage
- Section - using a layout of grid, with the book cover to one side and information to the other. For the information include the title, author, genre, year published and rating of the book and a brief description about the content.
- Footer - Copyrights

# Website name

Navigation bar - links to pages, maybe log in system

Title of book

rating

The image of the book

Title/name

Author

Description of the book( year published, author, genre)

Copyrights

#### 4. Author page

Layout/colour and information-

- Header/ navigation bar - same to the homepage
- Section - using grid layout to list all the authors with an image of them on one side(left), the image will be bordered to round the corners. On the other side there will be a short biography for each author.
- Footer- Copyrights

## Website name

Navigation bar - links to pages, maybe log in system

All authors

Image of author 1

Name of Author 1

Name of author 1

Biography for the author( birth year, nationality)

Continue for the rest of the authors

Copyrights

#### 5. Genre page

Layout/colour and information-

- Header/ navigation bar - same to the homepage
- Section - grid layout to list out all the genres with a description below
- Footer - Copyrights

# Website name

Navigation bar - links to pages, maybe log in system

All genres

Genre 1  
description of genre 1

Genre 2  
description of genre 2

Genre 3  
description of genre 3

Continue for the rest of the genres

Copyrights

Fonts - Most fonts used on all website pages will be Merriweather and Roboto.

Colours - Main background color will be white/light grey for the main sections

## Flask routes of website pages

1. Homepage

@app.route('/')

2. Books page

@app.route('/all\_books')

3. Book details page

@app.route('/all\_books/<int:id>')

4. Author page

@app.route('/all\_authors')

5. Genre page

@app.route('/all\_genres')

## Function signatures for each page

1. Homepage

def home():

2. Books page  
def all\_books():

3. Book details page  
def book\_by\_id(id):

4. Author page  
def all\_authors():

5. Genre page  
def all\_genres():

## Database queries for routes

1. Homepage query

Query: SELECT id, name, photo, rating  
FROM books  
ORDER BY rating DESC  
LIMIT 10;

Expected sample results:

id	name	photo	rating
8	Lord of Rings	lordofrings.jpg	9.8
6	The Great Gatsby	thegreatgatsby.jpg	9.7
5	Brave New World	bravenewworld.jpg	9.3
2	1984	1984.jpg	9.2
4	To kill a Mockingbird	tokillamockingbird.jpg	9.1
1	The Hobbit	thehobbit.jpg	9.0
3	Animal farm	animalfarm.jpg	8.9
10	Moby-Dick	mobydick.jpg	8.9
7	The catcher in the rye	thecatcherintherye.jpg	8.7
9	1984 - A Sequel	1984asequel.jpg	8.4

## 2. Books page query

Query: SELECT books.id, books.name, books.photo, books.year\_published, books.rating, genre.name  
FROM books  
JOIN genre ON books.genre\_id = genre.id  
ORDER BY genre.name, books.name;

Expected sample results:

id	name	photo	year_published	rating	genre.name
10	Moby-Dick	mobydick.jpg	1851	8.9	Adventure
2	1984	1984.jpg	1949	9.2	Dystopian
9	1984 - A Sequel	1984asequel.jpg	2020	8.4	Dystopian
3	Animal farm	animalfarm.jpg	1945	8.9	Dystopian
5	Brave New World	bravenewworld.jpg	1932	9.3	Dystopian
8	Lord of Rings	lordofrings.jpg	1954	9.8	Fantasy
1	The Hobbit	thehobbit.jpg	1937	9.0	Fantasy
7	The catcher in the rye	thecatcherintherye.jpg	1951	8.7	Fiction
6	The Great Gatsby	thegreatgatsby.jpg	1925	9.7	Fiction
4	To kill a Mockingbird	tokillamockingbird.jpg	1960	9.1	Fiction

## 3. Books detail page query

Query: SELECT books.id, books.name, books.photo, books.year\_published, books.rating, books.description, genre.name, author.name  
FROM books  
JOIN genre ON books.genre\_id = genre.id

```
JOIN author ON books.author_id = author.id
WHERE books.id = :id;
```

Expected sample results( for 1 specific book ):

id	name	photo	year_published	rating	description	genre.name	author.name
1	The Hobbit	thehobbit.jpg	1937	9.0	(a paragraph about the Hobbit )	Fantasy	J.R.R. Tolkien

#### 4. Author page query

```
Query: SELECT id, name, birth_year, nationality, photo, biography
FROM author
ORDER BY name;
```

Expected sample results:

id	name	birth_year	nationality	photo	biography
2	Aldous Huxley	1894	British	huxley.jpg	( a paragraph )
4	F. Scott Fitzgerald	1896	American	fitzgerald.jpg	( a paragraph )
5	George Orwell	1903	British	orwell.jpg	( a paragraph )
7	Harper Lee	1926	American	lee.jpg	( a paragraph )
1	Herman Melville	1819	American	melville.jpg	( a paragraph )
6	J.D. Salinger	1919	American	salinger.jpg	( a paragraph )

3	J.R.R. Tolkien	1892	British	tolkien.jpg	( a paragraph )
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## 5. Genre page query

Query: SELECT id, name, description  
 FROM genre  
 ORDER BY name;

Expected sample results:

id	name	description
2	Dystopian	( a paragraph )
3	Fantasy	( a paragraph )
1	Fiction	( a paragraph )

( more data will be included, this is just for example. )

## Justification/ Feedback

### Justification

- This website mainly uses grid format because it is effective and suitable for the topic. The clean and tiny design will help to improve users' experience.
- The color scheme is dark green, deep blue, white and light grey because it creates an atmosphere of calm for a book-related website.
- Navigation/search bars to help users to find their interested information faster.

### Feedbacks

- For the books detail page it currently only shows the detail of one book, maybe add a section about similar books/ other books you might like.
- Maybe add/try a couple more colours to the website
- Add drop boxes to the links in navigation bar
- For the authors page maybe add a list of books written by the author.

# Documentation

Project link on Github:

[https://github.com/bhs-24505/Books\\_project](https://github.com/bhs-24505/Books_project)

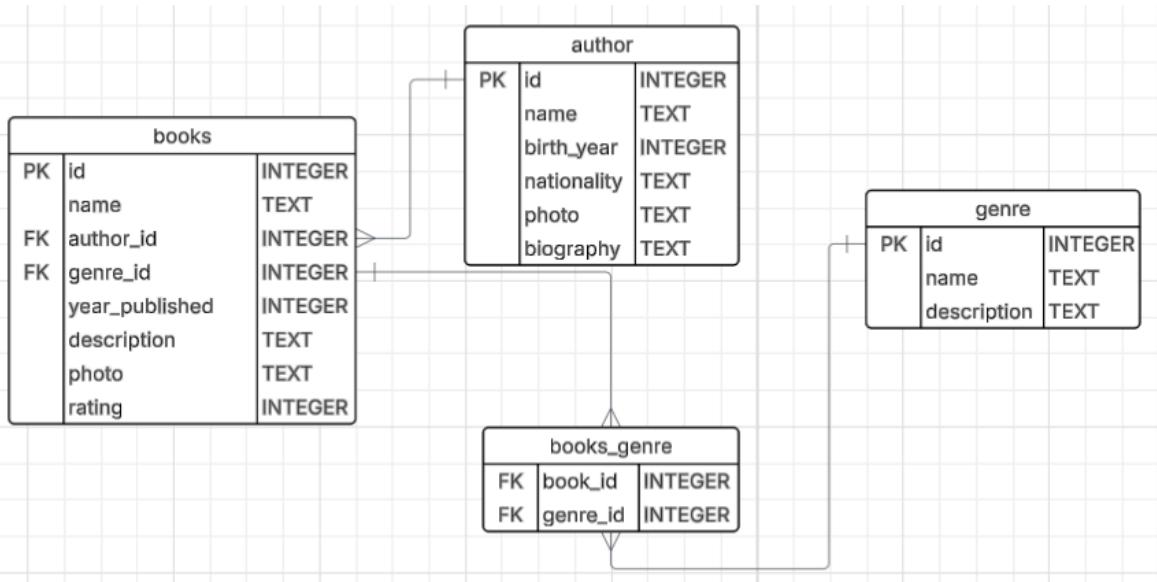
## Sprint #1

Goals:

- Setup pages as planed
- Build database and routes
- Basic css

Initial Database/ER diagram

Entity Relationship Diagram



WebPage Design- Wireframe and/or Palette

Same as in planning, may be slight differences since it is not finished

## Sprint #1 Testing

Include tests for everything in your application including all links, input forms, correctness of data and correctness of queries. Add more columns as required.

Query Testing Table																																																																																																																																																																												
What are you testing	How are you testing it	Expected Result	Result	Pass /Fail																																																																																																																																																																								
<pre>SELECT id, name, photo, rating FROM books ORDER BY rating DESC LIMIT 10;</pre>	Put query in sql editor	Fetch the top 10 rated books from books table, sort from highest to lowest rating	<table border="1"> <thead> <tr> <th>id</th> <th>name</th> <th>photo</th> <th>rating</th> </tr> </thead> <tbody> <tr><td>1</td><td>Harry Potter and the Deathly Hallows</td><td>hollows.jpg</td><td>4.6</td></tr> <tr><td>2</td><td>Harry Potter and the Prisoner of Azkaban</td><td>azkaban.jpg</td><td>4.6</td></tr> <tr><td>3</td><td>Harry Potter and the Goblet of Fire</td><td>goblet.jpg</td><td>4.6</td></tr> <tr><td>4</td><td>Harry Potter and the Sorcerer's Stone</td><td>stone.jpg</td><td>4.5</td></tr> <tr><td>5</td><td>Harry Potter and the Order of the Phoenix</td><td>phoenix.jpg</td><td>4.5</td></tr> <tr><td>6</td><td>The Hunger Games</td><td>games.jpg</td><td>4.4</td></tr> <tr><td>7</td><td>Catching Fire</td><td>fire.jpg</td><td>4.4</td></tr> <tr><td>8</td><td>Harry Potter and the Chamber of Secrets</td><td>secrets.jpg</td><td>4.4</td></tr> <tr><td>9</td><td>To Kill a Mockingbird</td><td>bird.jpg</td><td>4.3</td></tr> <tr><td>10</td><td>Pride and Prejudice</td><td>prejudice.jpg</td><td>4.3</td></tr> </tbody> </table>	id	name	photo	rating	1	Harry Potter and the Deathly Hallows	hollows.jpg	4.6	2	Harry Potter and the Prisoner of Azkaban	azkaban.jpg	4.6	3	Harry Potter and the Goblet of Fire	goblet.jpg	4.6	4	Harry Potter and the Sorcerer's Stone	stone.jpg	4.5	5	Harry Potter and the Order of the Phoenix	phoenix.jpg	4.5	6	The Hunger Games	games.jpg	4.4	7	Catching Fire	fire.jpg	4.4	8	Harry Potter and the Chamber of Secrets	secrets.jpg	4.4	9	To Kill a Mockingbird	bird.jpg	4.3	10	Pride and Prejudice	prejudice.jpg	4.3	pass																																																																																																																												
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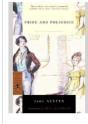
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Program Testing Table:routes/functions																
What are you testing	How are you testing it	Expected Result	Result	Pass /Fail												
<pre>@app.route('/') def home():</pre>	Test link () Or click on home in nav bar	Show the home page	<p>A name of my website</p> <p>Home Books Authors Genres</p> <p>Top 10 Best books</p> <table border="1"> <tbody> <tr> <td> Harry Potter and the Prisoner of Azkaban Rating: 4.6</td> <td> Harry Potter and the Goblet of Fire Rating: 4.6</td> <td> Harry Potter and the Sorcerer's Stone Rating: 4.5</td> <td> Harry Potter and the Order of the Phoenix Rating: 4.5</td> <td> The Hunger Games Rating: 4.4</td> <td> Catching Fire Rating: 4.4</td> </tr> <tr> <td> Harry Potter and the Chamber of Secrets Rating: 4.4</td> <td> To Kill a Mockingbird Rating: 4.3</td> <td> Pride and Prejudice Rating: 4.3</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Harry Potter and the Prisoner of Azkaban Rating: 4.6	Harry Potter and the Goblet of Fire Rating: 4.6	Harry Potter and the Sorcerer's Stone Rating: 4.5	Harry Potter and the Order of the Phoenix Rating: 4.5	The Hunger Games Rating: 4.4	Catching Fire Rating: 4.4	Harry Potter and the Chamber of Secrets Rating: 4.4	To Kill a Mockingbird Rating: 4.3	Pride and Prejudice Rating: 4.3				pass
Harry Potter and the Prisoner of Azkaban Rating: 4.6	Harry Potter and the Goblet of Fire Rating: 4.6	Harry Potter and the Sorcerer's Stone Rating: 4.5	Harry Potter and the Order of the Phoenix Rating: 4.5	The Hunger Games Rating: 4.4	Catching Fire Rating: 4.4											
Harry Potter and the Chamber of Secrets Rating: 4.4	To Kill a Mockingbird Rating: 4.3	Pride and Prejudice Rating: 4.3														

```
@app.route('/books')
def books():
```

Test link  
(/books)  
Or click  
on  
books in  
nav bar

Show the  
books  
page

		A name of my website		
		Home	Books	Authors
		Genres		
		<b>All books</b>		
		Classics		
				
		Pride and Prejudice Year Published: 1813 Rating: 4.3	The Little Prince Year Published: 1943 Rating: 4.3	
				Dystopia
				
		Catching Fire Year Published: 2009 Rating: 4.4	Mockingjay Year Published: 2010 Rating: 4.1	The Hunger Games Year Published: 2008 Rating: 4.4
				Fantasy
				
		Harry Potter and the Chamber of Secrets Year Published: 1998 Rating: 4.4	Harry Potter and the Deathly Hallows Year Published: 2007 Rating: 4.6	Harry Potter and the Goblet of Fire Year Published: 2000 Rating: 4.6
				
		Harry Potter and the Order of the Phoenix Year Published: 2003 Rating: 4.5	Harry Potter and the Prisoner of Azkaban Year Published: 1999 Rating: 4.6	Harry Potter and the Sorcerer's Stone Year Published: 1997 Rating: 4.5
				The Hobbit Year Published: 1937 Rating: 4.3
				Historical
				
		Memoirs of a Geisha Year Published: 1997 Rating: 4.2	To Kill a Mockingbird Year Published: 1960 Rating: 4.3	
				Horror
				
		Horror Movie Year Published: 2024 Rating: 3.3	Summer of Night Year Published: 1991 Rating: 4.1	The Amityville Horror Year Published: 1977 Rating: 3.8
				Mystery

pass

			<p><b>Romance</b></p> <p><b>Science Fiction</b></p> <p><b>Thriller</b></p> <p>(c)2025</p>	
<pre>@app.route('/books/&lt;int:id&gt;') def book_by_id(id):</pre>	<p>Testing id = 1 (/books/1) (boundary testing a valid input) Or click on the book card</p>	<p>Show book(Harry Potter and the Sorcerer's Stone)</p>	<p>Rating: 4.5</p> <p>Description: Harry Potter has no idea how famous he is. That's because he's being raised by his miserable aunt and uncle who work at Hogwarts. He's not even sure what his parents were. But everything changes when Harry is summoned to attend an unusual school for wizards, and he begins to discover some clues about his illustrious birthright. From the surprising way he is greeted by a lovable giant, to the unique curriculum and colorful faculty at his unusual school, Harry finds himself drawn deep inside a mystical world he never knew existed and closer to his own noble destiny.</p> <p>Author J.K. Rowling Genre Fantasy Year Published: 1997</p> <p>(c)2025</p>	pass

<pre><code>@app.route('/books/&lt;int:id&gt;') def book_by_id(id):</code></pre>	<p>Testing id = 27 (/books/ 27) (bounda ry testing a valid input) Or click on the book card</p>	<p>Show book(Du ne)</p>		<p>pass</p>
<pre><code>@app.route('/authors') def authors():</code></pre>	<p>Test link(/aut hors) Or click on authors in nav bar</p>	<p>Show the authors page</p>		<p>pass</p>

**Dan Brown****Dan Brown**

Born:1964

Nationality:USA

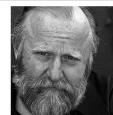
**Bio:** Dan Brown is the author of numerous best-selling novels, including "The Da Vinci Code," which became one of the best-selling books of all time. His books have sparked intense debate among readers and scholars. Brown's novels are published in 56 languages around the world with over 200 million copies in print. In 2005, Brown was named one of the 100 Most Influential People in the World by TIME Magazine, whose editors credited him with "keeping the publishing industry and readers' interest in Leonardo da Vinci's early manuscript," spurring him to Paris and Rome, a spiritual quest across the art of Cardinal in Rome, eight books denying the claims of the novel and seven guides to read along with it, a flood of historical thrillers, and a major motion picture franchise." The son of a mathematics teacher and a church choir director, Brown has always been interested in science and religion, and he found a connection with the paradoxical interplay between science and religion. These themes eventually formed the backdrop for his books. He is a graduate of Amherst College and Phillips Exeter Academy, where he later returned to teach English before focusing his attention full time to writing. He lives in New England with his yellow lab, Winston.

**Dan Simmons****Dan Simmons**

Born:1948

Nationality:USA

**Bio:** Dan Simmons is an American science fiction and horror writer. He is the author of the Hyperion Cantos and the Ilium/Olympus cycles, among other works that span the science fiction, horror, fantasy genres, intertwined within a single novel. Simmons' genre-intermingling Song of Kali (1985) won the World Fantasy Award. He also writes mysteries and thrillers, some of which feature the commanding character Joe Kortz.

**Frank Herbert****Frank Herbert**

Born:1920

Nationality:USA

**Bio:** Franklin Patrick Herbert Jr. was an American science fiction author best known for the 1965 novel Dune and its five sequels. Though he became famous for his novels, he also wrote short stories and worked as a newspaper journalist, photographer, book reviewer, ecological consultant, and lecturer. The Dune series, set in a desert planet, and its many planets, millennia explores complex themes, such as the long-term survival of the human species, humanism, planetary science and ecology; and the intersection of religion, politics, economics and power in a future where humanity has long since developed interstellar travel and settled many thousands of worlds. Dune is the best-selling science fiction novel of all time, and the entire series is considered to be among the classics of the genre.

**George Orwell****George Orwell**

Born:1903

Nationality:British India

**Bio:** Eric Arthur Blair, was an English novelist, poet, essayist, journalist and critic who wrote under the pen name of George Orwell. His work is characterized by lucid prose, social criticism, opposition to totalitarianism (both authoritarian communism and fascism), and support of democratic socialism. Orwell is best known for his allegorical novella Animal Farm (1945) and the dystopian novel Nineteen Eighty-Four (1949), although his books also encompass literary criticism, poetry, and political journalism. His non-fiction includes Down and Out in Paris and London (1933), documenting his experience of working-class life in the industrial north of England, and Homage to Catalonia (1938), an account of his experiences soldiering for the Republican faction of the Spanish Civil War (1936–1939), are as critically respected as his essays on politics, literature, language and culture. The adjective "Orwellian"—describing totalitarian and authoritarian social practices—is part of the English language, like many of his neologisms, such as "Big Brother," "Thought Police," "Room 101," "Newspeak," "memory hole," "doublethink," and "thoughtcrime". In 2008, The Times named Orwell the second-greatest British writer since 1945.

**Gillian Flynn****Gillian Flynn**

Born:1971

Nationality:USA

**Bio:** Biography: Gillian Flynn is an American author and television critic for Entertainment Weekly. She has so far written three novels, Sharp Objects, for which she won the 2007 Ian Fleming Steel Dagger for the best thriller, Dark Places, and her best-selling third novel Gone Girl. Her book has received several prizes, including from authors such as Stephen King. The dark plot revolves around a serial killer, Gus Sett Watchman, was an earlier draft of Mockingbird, set at a later date, that was published in July 2015 as a sequel. The plot and characters of To Kill a Mockingbird are loosely based on Lee's observations of her family and neighbors in Monroeville, Alabama, as well as a child's memory of the town. The book is set in the 1930s, depicting the racial segregation of the era, the irrationality of adult attitudes towards race and class in the Deep South of the 1930s, as depicted through the eyes of two children. Lee received numerous accolades and honorary degrees, including the Presidential Medal of Freedom in 2007, which was awarded for her contribution to literature.

**Harper Lee****Harper Lee**

Born:1926

Nationality:USA

**Bio:** Biography: Nelle Harper Lee was an American novelist whose 1960 novel To Kill a Mockingbird won the 1961 Pulitzer Prize and became one of the most popular and beloved books in the English-speaking world. She died in 2015. Lee's research for the book in Cold Blood (1965). Her second and final novel, Go Set a Watchman, was an earlier draft of Mockingbird, set at a later date, that was published in July 2015 as a sequel. The plot and characters of To Kill a Mockingbird are loosely based on Lee's observations of her family and neighbors in Monroeville, Alabama, as well as a child's memory of the town. The book is set in the 1930s, depicting the racial segregation of the era, the irrationality of adult attitudes towards race and class in the Deep South of the 1930s, as depicted through the eyes of two children. Lee received numerous accolades and honorary degrees, including the Presidential Medal of Freedom in 2007, which was awarded for her contribution to literature.

**J.K. Rowling****J.K. Rowling**

Born:1965

Nationality:UK

**Bio:** Biography: Rowling was born to Peter James Rowling & Julia Evans, a schoolteacher, and Anne Rowling (née Volant), on 31 July 1965 in Yate, Gloucestershire, England, 10 miles (16 km) northeast of Bristol. Her mother Anne was half-French and half-Scottish. Her parents first met on a train, departing from King's Cross Station bound for Arbroath in 1963. They married on 14 March 1965. Her mother's maternal grandfather, Dugald Campbell, was born in Lambsay on the Isle of Arran. Her mother's paternal grandfather, Louis Volant, was awarded the Croix de Guerre for exceptional bravery in defending the village of Courcelles-les-Contes during the First World War.

**J.R.R. Tolkien****J.R.R. Tolkien**

Born:1892

Nationality:South Africa

**Bio:** Biography: Tolkien was born in Bloemfontein, South Africa, in 1892 to English parents. He came to England aged three and was brought up in and around Birmingham. He graduated from the University of Oxford in 1915 and saw active service in France during the First World War before being invalided home. After the war he became an academic, first teaching Old Norse and Middle English. Alongside his primary work, he never lost his love of language and began to create what he called a mythology for England: it was this "legendarium" that he would work on throughout his life. But his literary work did not start and end with Middle-earth, he also wrote poetry, children's stories and fairy tales for adults. He died in 1973 and is buried in Oxford where he spent most of his adult life.

**Jane Austen****Jane Austen**

Born:1775

Nationality:England

**Bio:** Biography: Jane Austen was an English novelist known primarily for her six novels, which implicitly interpret, critique, and comment upon the English landed gentry at the end of the 18th century. Austen's plots often explore the dependence of women on marriage for the pursuit of favourable social positions and on the resulting conflicts of interest between family members. Her works, all written by 1813, belong to the transition period between the neoclassical style of the late 18th century and the more sentimental style of the early 19th century. Her novels, though they remain popularly read, are not representative of the literary style of the second half of the 18th century and are part of the transition to 19th-century literary realism. Her deft use of social commentary, realism, and biting irony have earned her acclaim among critics and scholars. *The Pride and Prejudice* (1813) and *Sense and Sensibility* (1811), *Mansfield Park* (1814), and *Emma* (1816), were a commercial success but brought her little fame in her lifetime. She wrote two other novels—*Northanger Abbey* and *Persuasion*, both published posthumously in 1817—and began another, eventually titled *Sanditon*, but died before its completion. She also left behind three volumes of juvenile writings in manuscript, the short epistolary novel *Lady Susan*, and the unfinished novel *The Watsons*.

**Jay Anson****Jay Anson**

Born:1921

Nationality:USA

**Bio:** Biography: Jay Anson (November 4, 1921 – March 12, 1980) was an American author whose most famous work was *The Amityville Horror*. After the runaway success of that novel, he wrote 666, which also became a best-seller. He was a screenwriter for *Psycho* and *The Birds*. In New York from 1937 to 1957, he later worked in advertising and publicity. With more than 500 documentary scripts for television to his credit, he was associated with Professional Films, Inc. He died in 1980. His work, *The Amityville Horror*, was sold as "a true story," and it was based on the reported experiences of George Lutz and Kathleen Lutz at 112 Ocean Avenue in December 1975. The Lutzes had sold the rights to the book to Anson, who had added to and adapted some of the Lutz's original claims. A film was later made of the book, which exemplified these add-ons.

**John Green****John Green**

Born:1977

Nationality:US

**Bio:** Biography: John Green's first novel, *Looking for Alaska*, won the 2006 Michael L. Printz Award presented by the American Library Association. *The Fault in Our Stars*, his second novel, was a 2009 Michael L. Printz Award Honor Book and a finalist for the Los Angeles Times Book Prize. His next novel, *Paper Towns*, is a New York Times bestseller and won the Edgar Allan Poe Award for Best YA Mystery. In January 2012, his most recent novel, *The Fault in Our Stars*, was met with wide critical acclaim, unsurpassed in Green's career. The print and e-book editions of the book also topped the New York Times Children's Paperback Bestseller list for several weeks. Green has also coauthored a book with David Levithan called *Will Grayson, Will Grayson*, published in 2010. The film rights for all his books, with the exception of *Will Grayson Will Grayson*, have been optioned to major Hollywood studios.

**John Grisham****John Grisham**

Born:1955

Nationality:USA

**Bio:** Biography: John Grisham is the author of more than fifty consecutive #1 bestsellers, which have been translated into nearly fifty languages. His recent books include *Fracture*, *Cumino*, *Giants* and *The Exchange*. After *The Firm*, Grisham is a two-time winner of the Harper Lee Prize for Legal Fiction and was honored with the Library of Congress Creative Achievement Award for Fiction. When he's not writing, Grisham serves on the board of directors of the Innocence Project and of Cottontree, a non-profit organization dedicated to helping those who have been wrongfully convicted. Much of his fiction explores deep-seated problems in our criminal justice system. John lives on a farm in central Virginia.

**Paul Tremblay****Paul Tremblay**

Born:1971

Nationality:USA

**Bio:** Biography: Paul Tremblay has won the Bram Stoker, British Fantasy, the Sheridan Le Fanu, and Massachusetts Book awards and is the author of the New York Times bestselling Horror Movie, *The Beast You Are*; *The Pallbearer's Club*; *Survivor Story*; *Growing Thinner*; *Departures at Devil's Rock*; *A Hell of a Life*; *Disappearing Earth*; *The Book of Mrs. Malaprop*; and *The Girl With All the Gifts*. His novel *The Cabin at the End of the World* was adapted as the Universal Pictures film *Knock at the Cabin*. His short fiction and essays have appeared in the New York Times, Los Angeles Times, Entertainment Weekly online, and numerous year's-best anthologies. He has a master's degree in mathematics and lives outside Boston with his family. He is represented by Stephen Barbara, InkWell Management.

**S.J. Watson****S.J. Watson**

Born:1971

Nationality:UK

**Bio:** Biography: S J Watson was born in the UK, lives in London and worked in the NHS for a number of years. In 2011 Watson's debut novel, *Before I Go To Sleep*, was released to critical acclaim. It has now sold over 1 million copies worldwide and won numerous awards. The movie of *Before I Go To Sleep*, starring Nicole Kidman, Colin Firth and Mark Strong, was released in 2014. *Second Life*, Watson's second book, is out now, and has already been a top ten bestseller. S J Watson's new novel, *FINAL CUT*, is out in August 2020.

**Stieg Larsson****Stieg Larsson**

Born:1954

Nationality:Sweden

**Bio:** Biography: Stieg Larsson (born as Karl Stig-Erland Larsson) was a Swedish journalist and writer who passed away in 2004. As a journalist and editor of the magazine *Expo*, Larsson was active in documenting and exposing Swedish extreme right and racist organisations. When he died at the age of 50, Larsson had an unpublished draft manuscript intended for him. The first three books of *The Girl Who Kicked the Hornet's Nest* (the *Millennium* series) have since been printed as the *Millennium* series. These books are all bestsellers in Sweden and in several other countries, including the United States and Canada. Witnessed a rape when he was 15, and was helpless to stop it. This event haunted him for the rest of his life. The girl being raped was named Lisbeth, which he later used as the name of the heroine on his *Millennium* trilogy. Sexual violence against women is also a recurring theme in his work.

**Suzanne Collins****Suzanne Collins**

Born:1962

Nationality:USA

**Bio:** Biography: Since 1991, Suzanne Collins has been busy writing for children's television. She has worked on the staffs of *Magical Mystery Tour*, *Aladdin*, *Aladdin and the King of Thieves*, and *Clueless*. *Explode It!*, *Mystery Files of Shelly Wiss*. For preschool viewers, she also wrote multiple stories for the Emmy-nominated *Little Bear* and *Oswald*. She also co-wrote the critically acclaimed *Rankin/Bass Christmas special, Santa, Baby!* Most recently she was the Head Writer for Scholastic Entertainment's *Clifford's Puppy Days*.

<pre>@app.route('/genres') def genres():</pre>	<p>Test Link(/genres) Or click on genres in nav bar</p>	<p>Show genres page</p>	pass
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## Data integrity Testing Table

Purpose:

Check end to end data correctness (book cards linked to their detail pages)

Trial 1(Book: Pride and prejudice):

<p><b>Pride and Prejudice</b></p> <p>Year Published: 1813</p>	
---	--

## Pride and Prejudice

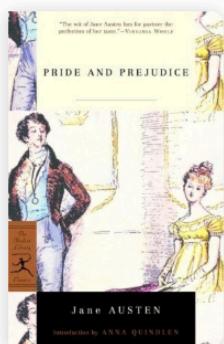
Author: Jane Austen  
Genre: Classics  
Year Published: 1813

(c)2025

Hover over the book card in the books page(image on the left), the url in the bottom left corner is /books/12, when I click the card(link), it matches with the url of its book detail page(image on the right).

12   Pride and Prejudice	1813   Since its immediate success in 1813, Pride and Prejudice has remained one of the most popular novels in the ...	prejudice.jpg	4.3	6	9
6   Jane Austen	1775   England	austen.jpg	Jane Austen was an English novelist known primarily for her six novels, which implicitly interpret, critique, and ...		
9   Classics	A classic stands the test of time. The work is usually considered to be a representation of the period in which it ...				

I went through my books table in the database and found the line of id 12, the book is exactly Pride and Prejudice and all of its data is correct, including FKs of author and genre.



## Pride and Prejudice



Jane Austen, Anna Quindlen (Introduction)

★★★★★ 4.29 4,679,830 ratings · 139,782 reviews

Since its immediate success in 1813, *Pride and Prejudice* has remained one of the most popular novels in the English language. Jane Austen called this brilliant work "her own darling child" and its vivacious heroine, Elizabeth Bennet, "as delightful a creature as ever appeared in print." The romantic clash between the opinionated Elizabeth and her proud beau, Mr. Darcy, is a splendid performance of civilized sparring. And Jane Austen's radiant wit sparkles as her characters dance a delicate quadrille of flirtation and intrigue, making this book the most superb comedy of manners of Regency England.

Alternate cover edition of ISBN 9780679783268

Genres [Classics](#) [Romance](#) [Fiction](#) [Historical Fiction](#) [Historical](#) [Literature](#) [Audiobook](#) [...more](#)

279 pages, Paperback

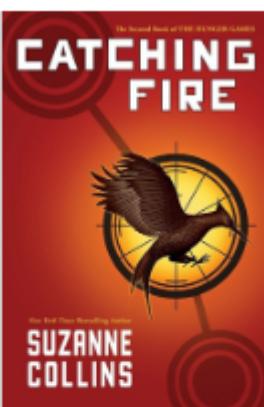
First published January 1, 1813

Want to Read

Kindle Unlimited \$0.00

I also checked the source information, which all matches up with the data in my database, rating is rounded to 1 decimal place(4.0 as 4), a genre valid to the book is chosen from the source(classics).

Trial 2(Book:Catching fire):



## Catching Fire

A screenshot of a web browser showing a website titled "A name of my website". The URL in the address bar is 127.0.0.1:5000/books/3. The page has a dark green header and a light gray footer. The main content area shows a book card for "Catching Fire" by Suzanne Collins. The book cover is visible on the left, and the right side contains the book's title, author, rating, description, and a snippet of the text.

**Catching Fire**

**Catching Fire**

Rating: 4.4

Description: Against all odds, Katniss Everdeen has won the Hunger Games. She and fellow District 12 tribute Peeta Mellark are miraculously still alive. Katniss should be relieved, happy even. After all, she has returned to her family and her longtime friend, Gale. Yet nothing is the way Katniss wishes it to be. Gale holds her at an icy distance. Peeta has turned his back on her completely. And there are whispers of a rebellion against the Capitol—a rebellion that Katniss and Peeta may have helped create. Much to her shock, Katniss has fuelled an unrest that she's afraid she cannot stop. And what scares her even more is that she's not entirely convinced she can stop it. As time draws near for Katniss and Peeta to visit the districts, the Capitol's cruel Victory Tour, the stakes are higher than ever. If they can't prove, without a shadow of a doubt, that they are lost in their love for each other, the consequences will be horrifying. In Catching Fire, the second novel of the Hunger Games trilogy, Suzanne Collins continues the story of Katniss Everdeen, testing her more than ever before... and surprising readers at every turn.

(c)2025

Hover over the book card in the books page(image on the left), the url in the bottom left corner is /books/3, when I click the card(link), it matches with the url of its book detail page(image on the right).

3   Catching Fire	2009   Against all odds, Katniss Everdeen has won the Hunger Games. She and fellow District 12 tribute Peeta Mellark ...   fire.jpg	4.4	2	8
2   Suzanne Collins	1962   USA   collins.jpg	Since 1991, Suzanne Collins has been busy writing for children's television. She has worked on the staffs of ...		
8   Dystopia	Dystopia is a form of literature that explores social and political structures. It is a creation of a nightmare world ...			

I went through my books table in the database and found the line of id 3, the book is exactly Catching Fire and all of its data is correct, including FKs of author and genre.

The Hunger Games #2

# Catching Fire

Suzanne Collins

★★★★★ 4.35 4,053,889 ratings · 148,715 reviews

Sparks are igniting.  
Flames are spreading.  
And the Capitol wants revenge.

Against all odds, Katniss Everdeen has won the Hunger Games. She and fellow District 12

Show more ▾

Genres: [Young Adult](#) [Dystopia](#) [Fiction](#) [Fantasy](#) [Science Fiction](#) [Romance](#) [Adventure](#) [Audiobook](#) [Teen](#)

[Post Apocalyptic](#) [...show all](#)

391 pages, Hardcover

First published September 1, 2009

I also checked the source information, which all matches up with the data in my database, rating is rounded to 1 decimal place(4.0 as 4), a genre valid to the book is chosen from the source(Dystopia).

### **Relevant implications(Database)**

<b>Implication</b>	<b>Explanation</b>
Legal	Legal implications are rules and laws of how data can be stored and managed in databases. These include infringement, consent, data protection laws, etc. For example, data protection laws apply to personal information in databases by restricting how it can be shared or accessed, while infringement laws prevent any leaks of private data. These laws ensure any text, photo and personal information is stored properly, legally and securely in databases.
Intellectual Property	Intellectual property implications are protections to property rights of content creators and prevents any unauthorized use of their work. This includes copyrights and licensing laws. Databases receive IP protection on the structure, arrangement and selection of data, though usually not the raw data itself. Copyrights can protect these factors of the database, while licenses provide a legal way for others to get permission to use the data. Intellectual implications ensure originality of the database, and prevent any unauthorized use of content.
Social	Social implications are the positive and negative effects that databases can cause on people/groups and society throughout the management of datasets. Positive effects include better decision making, efficiency and recognition of social problems. Negative effects include amplifying existing inequalities, privacy loss, data breaches and political conflicts. For example, a database that shares personal information can cause loss of privacy and widespread anxiety in society. Overall, social implications is a factor that deeply relates to databases.

### **Relevant implications(Website)**

<b>Implication</b>	<b>Explanation</b>
Usability	Usability implications for websites are how easy and efficient users can navigate, interact with and complete tasks with. A measure of usability is normally determined on whether users can find information quickly, use features and functions effectively and their experience. For example, a website with a working search bar and clear navigation bar can make it easier for users to find the information they want and complete their task more efficiently. Poor usability can lead to frustration and confusion and ultimately abandon the website.
Aesthetics	Aesthetics implications for websites are the color palettes, layout, typography(font), imagery and icons. Good aesthetic applied can improve the overall functionality of the website. For example, clean page setup with no non-related info, consistent font and color, clear buttons and visual effects can improve user's experience when using the website, helping them to navigate and complete their tasks more efficiently. Poor aesthetics can significantly affect user's experience by causing distractions and hard to see, ultimately leading to untrust and abandonment from the users.

## Sprint #1 Review

So far I have reached what I have planned to do. I have created a basic outline of my website with basic css. There is a navigation bar for users to move between pages/sections easily and I have made html for home, book, book detail, author, genre pages. The all books page has book cards that are categorised under different genres and linked to separate book detail pages. For Database, I have created tables of books, author, genre and books\_genre, with foreign keys to connect and handle the data.

The next goal for me will be to layout authors and genres pages, which means creating an author detail and a genre detail page. I will need to improve my css as it is too basic right now. For functions I will make a search bar for the users to help them find the information they want. Books\_genre table would need to be utilized for a many to many relationship and error pages will be needed as well to debug my program/website.

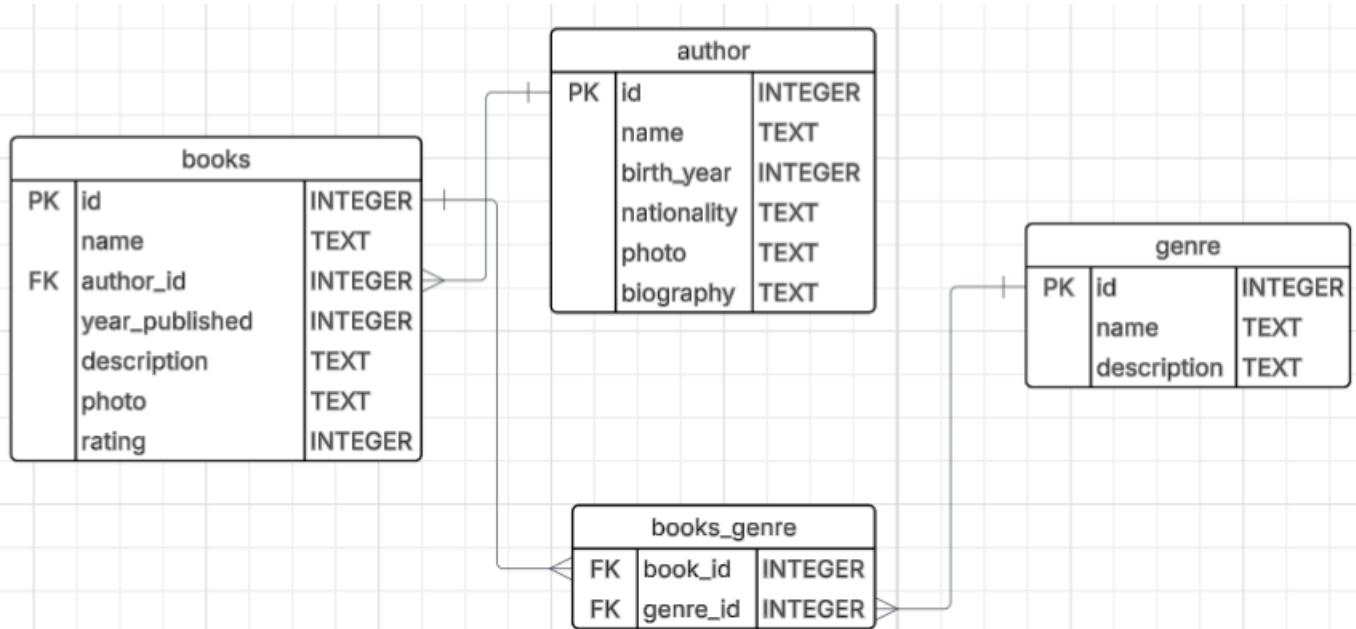
## Sprint #2

### Goals:

- Layout authors and genres page( split them into two html templates )
- Improving css
- Create a search bar
- Create errors pages/routes
- A many to Many relationship displayed and used

### Database/ER diagram Improvements

#### Entity Relationship Diagram



The improvement I made to my database is deleting the column of genre\_id in the books table. In order to display a many to many relationship, I used the books\_genre table to collect/combine book ids and genre ids together in a table so I can then use SQL query(GROUP\_CONCAT) to combine rows of with the same book id together to fetch out and use in html templates. This means that the genre\_id column in the books table is now redundant and has no purpose, so I removed it.

## WebPage Design- Wireframe and/or Palette

Improved Wireframe(homepage as an approximate example):

The screenshot shows a web browser window with the URL 127.0.0.1:5000. The page title is "My Book Library" with the subtitle "Explore and discover your favorite books". The navigation bar includes links for Home, Books, Authors, Genres, a search bar, and a "Search" button. The main content area features a section titled "Top 10 Best Books" displaying seven book cards. The cards are arranged in two rows: the first row contains five Harry Potter books (Order of the Phoenix, Prisoner of Azkaban, Goblet of Fire, Chamber of Secrets, and Deathly Hallows), and the second row contains three other books (The Hunger Games, Catching Fire, To Kill a Mockingbird, and Pride and Prejudice). Each card includes the book cover, title, author, and rating. The footer contains a copyright notice: "© 2025 My Book Library. All rights reserved. All sources from Goodreads".

Book	Author	Rating
Harry Potter and the Order of the Phoenix	J.K. Rowling	4.5
Harry Potter and the Prisoner of Azkaban	J.K. Rowling	4.6
Harry Potter and the Goblet of Fire	J.K. Rowling	4.6
Harry Potter and the Chamber of Secrets	J.K. Rowling	4.4
Harry Potter and the Deathly Hallows	J.K. Rowling	4.6
The Hunger Games	Suzanne Collins	4.4
Catching Fire	Suzanne Collins	4.4
To Kill a Mockingbird	Harper Lee	4.3
Pride and Prejudice	Jane Austen	4.3

Improved palette/font color:

Changed colour palette to mostly different types of green, font colors to mostly dark green/white/grey.

Hex colors(in css, if not missing any):

#184525, #C5FAD3, #138b45, #FFF4, #C0E6C8, #333, #0b3a1e, #7fb285, #15944a

Other colors(in css, if not missing any): white, red

## Sprint #2 Testing

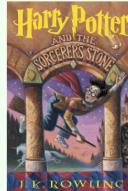
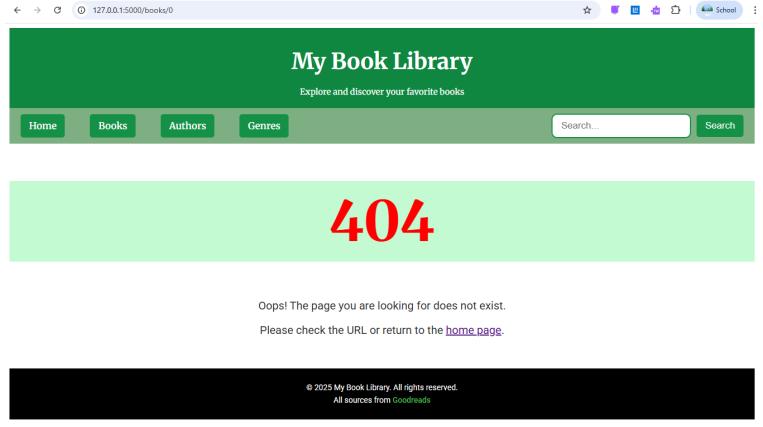
Include tests for everything in your application including all links, input forms, correctness of data and correctness of queries. Add more columns as required.

Query Testing Table																																																																																																																																																																												
What are you testing	How are you testing it	Expected Result	Result	Pass /Fail																																																																																																																																																																								
<pre>SELECT books.id, books.name, books.photo, books.year_published,        books.rating, GROUP_CONCAT(genre.name, ', ') AS genres FROM books JOIN books_genre ON books.id = books_genre.book_id JOIN genre ON books_genre.genre_id = genre.id GROUP BY books.id ORDER BY books.name;</pre>	Put query in SQL editor	<p>Fetch all books with id, name, photo, year published, rating and genre names. If it has multiple genres it should be combined to one row for the same book id, a comma between different genres. Results are sorted alphabetically by book names.</p>	<table border="1"> <thead> <tr> <th>id</th> <th>name</th> <th>photo</th> <th>year_published</th> <th>rating</th> <th>genres</th> </tr> </thead> <tbody> <tr><td>1</td><td>11: 1984</td><td>1984.jpg</td><td>1949</td><td>4.2</td><td>Science Fiction, Classics</td></tr> <tr><td>2</td><td>21: A Time to Kill</td><td>kill.jpg</td><td>1989</td><td>4.1</td><td>Thriller, Mystery</td></tr> <tr><td>3</td><td>18: And Then There Were None</td><td>none.jpg</td><td>1939</td><td>4.3</td><td>Mystery, Classics, Thriller</td></tr> <tr><td>4</td><td>19: Angels &amp; Demons</td><td>demons.jpg</td><td>2000</td><td>4</td><td>Mystery, Thriller</td></tr> <tr><td>5</td><td>22: Before I Go to Sleep</td><td>sleep.jpg</td><td>2011</td><td>3.9</td><td>Thriller, Mystery</td></tr> <tr><td>6</td><td>3: Catching Fire</td><td>fire.jpg</td><td>2009</td><td>4.4</td><td>Dystopia, Fantasy, Science Fiction, Romance</td></tr> <tr><td>7</td><td>27: Dune</td><td>dune.jpg</td><td>1965</td><td>4.3</td><td>Science Fiction, Fantasy, Classics</td></tr> <tr><td>8</td><td>9: Harry Potter and the Chamber of Secrets</td><td>secrets.jpg</td><td>1998</td><td>4.4</td><td>Fantasy, Classics</td></tr> <tr><td>9</td><td>7: Harry Potter and the Deathly Hallows</td><td>hallows.jpg</td><td>2007</td><td>4.6</td><td>Fantasy, Classics</td></tr> <tr><td>10</td><td>13: Harry Potter and the Goblet of Fire</td><td>goblet.jpg</td><td>2000</td><td>4.6</td><td>Fantasy, Classics</td></tr> <tr><td>11</td><td>6: Harry Potter and the Order of the Phoenix</td><td>phoenix.jpg</td><td>2003</td><td>4.5</td><td>Fantasy, Classics</td></tr> <tr><td>12</td><td>8: Harry Potter and the Prisoner of Azkaban</td><td>azkaban.jpg</td><td>1999</td><td>4.6</td><td>Fantasy, Classics</td></tr> <tr><td>13</td><td>1: Harry Potter and the Sorcerer's Stone</td><td>stone.jpg</td><td>1997</td><td>4.5</td><td>Fantasy, Classics</td></tr> <tr><td>14</td><td>26: Horror Movie</td><td>movie.jpg</td><td>2024</td><td>3.3</td><td>Horror, Mystery, Thriller</td></tr> <tr><td>15</td><td>15: Memoirs of a Geisha</td><td>geisha.jpg</td><td>1997</td><td>4.2</td><td>Historical, Romance, Classics</td></tr> <tr><td>16</td><td>4: Mockingjay</td><td>jay.jpg</td><td>2010</td><td>4.1</td><td>Dystopia, Fantasy, Science Fiction</td></tr> <tr><td>17</td><td>12: Pride and Prejudice</td><td>prejudice.jpg</td><td>1813</td><td>4.3</td><td>Classics, Historical, Romance</td></tr> <tr><td>18</td><td>23: Red, White &amp; 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<pre>SELECT books.id, books.name, books.photo, books.year_published,        books.rating, books.description, author.name, author.id,        GROUP_CONCAT(genre.name    ':'    genre.id, ', ') AS genres FROM books JOIN books_genre ON books.id = books_genre.book_id JOIN genre ON books_genre.genre_id = genre.id JOIN author ON books.author_id = author.id WHERE books.id = ? GROUP_BY books.id;</pre>	Put query in SQL editor, set id to different values	<p>Fetch one book with all of its information/data with author and genre id/name. If it has multiple genres it should be combined to one row for the same book id, name and id is separated by colons and a comma between different genres</p>	<p>When id = 1,</p> <table border="1"> <thead> <tr> <th>id</th> <th>name</th> <th>photo</th> <th>year_published</th> <th>rating</th> <th>description</th> <th>author_id</th> <th>genre_id</th> </tr> </thead> <tbody> <tr><td>1</td><td>Harry Potter and the Sorcerer's Stone</td><td>stone.jpg</td><td>1997</td><td>4.5</td><td>Harry Potter has no idea how famous he is. That's because he's being raised by his miserable aunt and uncle...</td><td>14</td><td>1. Fantasy</td></tr> </tbody> </table> <p>When id = 27,</p> <table border="1"> <thead> <tr> <th>id</th> <th>name</th> <th>photo</th> <th>year_published</th> <th>rating</th> <th>description</th> <th>author_id</th> <th>genre_id</th> </tr> </thead> <tbody> <tr><td>27</td><td>Dune</td><td>dune.jpg</td><td>1965</td><td>4.3</td><td>Set on the desert planet Arrakis, Dune is the story of the boy Paul Atreides, heir to a noble family tasked with...</td><td>Frank Herbert</td><td>2. Science Fiction, Fantasy, Classics</td></tr> </tbody> </table>	id	name	photo	year_published	rating	description	author_id	genre_id	1	Harry Potter and the Sorcerer's Stone	stone.jpg	1997	4.5	Harry Potter has no idea how famous he is. That's because he's being raised by his miserable aunt and uncle...	14	1. Fantasy	id	name	photo	year_published	rating	description	author_id	genre_id	27	Dune	dune.jpg	1965	4.3	Set on the desert planet Arrakis, Dune is the story of the boy Paul Atreides, heir to a noble family tasked with...	Frank Herbert	2. Science Fiction, Fantasy, Classics	pass																																																																																																																																								
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<pre>SELECT id, name, birth_year, nationality, photo, biography FROM author WHERE id = ?;</pre>	Put query in SQL editor, set id to different id values	Fetch one author with all information/data	
<pre>SELECT id, name FROM genre ORDER BY name</pre>	Put query in SQL editor	Fetch all genres with id and name, sorted by name alphabetically	
<pre>SELECT id, name, description FROM genre WHERE id = ?</pre>	Put query in SQL editor, set id to different id values	Fetch one genre with all information/data	
<pre>SELECT books.id, books.name, books.photo, books.year_published,        books.rating, GROUP_CONCAT(genre.name, ', ') AS genres   FROM books   JOIN books_genre ON books.id = books_genre.book_id   JOIN genre ON books_genre.genre_id = genre.id  WHERE books.id IN (     SELECT book_id FROM books_genre WHERE genre_id = ? )  GROUP BY books.id  ORDER BY books.name;</pre>	Put query in SQL editor, set id to different id values	Fetch all books with their ID, name, photo, year published, rating, and genre names for a specific genre ID. If a book has multiple genres, they are combined into one row, separated by commas. Results	

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<pre>SELECT books.id, books.name, books.photo, books.year_published,        books.rating, GROUP_CONCAT(genre.name, ', ') AS genres   FROM books  JOIN genre ON books.id = books_genre.book_id  WHERE books.name LIKE ? OR CAST(books.year_published AS TEXT) LIKE ?  GROUP BY books.id  ORDER BY books.name;</pre>	Put query in SQL editor, substitute ? with %(input)%	Fetch all books with their ID, name, photo, year published, rating, and genre names that match/alike/include the search by book name or year published. If a book has multiple genres, they are combined into one row, separated by commas. Results are sorted alphabetically by book names.	<p>When ? = %harry%,</p> <table border="1"> <thead> <tr> <th>id</th><th>name</th><th>photo</th><th>year_published</th><th>rating</th><th>genres</th></tr> </thead> <tbody> <tr><td>1</td><td>9 Harry Potter and the Chamber of Secrets</td><td>secrets.jpg</td><td>1998</td><td>4.4</td><td>Fantasy, Classics</td></tr> <tr><td>2</td><td>7 Harry Potter and the Deathly Hallows</td><td>hollows.jpg</td><td>2007</td><td>4.6</td><td>Fantasy, Classics</td></tr> <tr><td>3</td><td>13 Harry Potter and the Goblet of Fire</td><td>goblet.jpg</td><td>2000</td><td>4.6</td><td>Fantasy, Classics</td></tr> <tr><td>4</td><td>6 Harry Potter and the Order of the Phoenix</td><td>phoenix.jpg</td><td>2003</td><td>4.5</td><td>Fantasy, Classics</td></tr> <tr><td>5</td><td>8 Harry Potter and the Prisoner of Azkaban</td><td>azkaban.jpg</td><td>1999</td><td>4.6</td><td>Fantasy, Classics</td></tr> <tr><td>6</td><td>1 Harry Potter and the Sorcerer's Stone</td><td>stone.jpg</td><td>1997</td><td>4.5</td><td>Fantasy, Classics</td></tr> </tbody> </table> <p>When ? = %bird%,</p> <table border="1"> <thead> <tr> <th>id</th><th>name</th><th>photo</th><th>year_published</th><th>rating</th><th>genres</th></tr> </thead> <tbody> <tr><td>1</td><td>5 To Kill a Mockingbird</td><td>bird.jpg</td><td>1960</td><td>4.3</td><td>Historical, Classics</td></tr> </tbody> </table>	id	name	photo	year_published	rating	genres	1	9 Harry Potter and the Chamber of Secrets	secrets.jpg	1998	4.4	Fantasy, Classics	2	7 Harry Potter and the Deathly Hallows	hollows.jpg	2007	4.6	Fantasy, Classics	3	13 Harry Potter and the Goblet of Fire	goblet.jpg	2000	4.6	Fantasy, Classics	4	6 Harry Potter and the Order of the Phoenix	phoenix.jpg	2003	4.5	Fantasy, Classics	5	8 Harry Potter and the Prisoner of Azkaban	azkaban.jpg	1999	4.6	Fantasy, Classics	6	1 Harry Potter and the Sorcerer's Stone	stone.jpg	1997	4.5	Fantasy, Classics	id	name	photo	year_published	rating	genres	1	5 To Kill a Mockingbird	bird.jpg	1960	4.3	Historical, Classics	pass																																										
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<pre>SELECT id, name, description   FROM genre  WHERE genre.name LIKE ? OR genre.description LIKE ?  ORDER BY name;</pre>	Put query in SQL editor, substitute ? with %(input)%	Fetch all genres with all information that match/alike/include the search by genre name or description. Results are sorted alphabetically by genre names.	<p>When ? = %horror%,</p> <table border="1"> <thead> <tr> <th>id</th><th>name</th><th>description</th></tr> </thead> <tbody> <tr><td>1</td><td>6 Fantasy</td><td>Fantasy is a genre that uses magic and other supernatural forms as a primary element of plot, theme, and/or ...</td></tr> <tr><td>2</td><td>5 Horror</td><td>Horror fiction is fiction in any medium intended to scare, unsettle, or horrify the audience. Historically, the cau...</td></tr> <tr><td>3</td><td>2 Science Fiction</td><td>Science fiction (abbreviated SF or sci-fi with varying punctuation and capitalization) is a broad genre of fiction ...</td></tr> </tbody> </table> <p>(horror is included in fantasy and science fiction's descriptions)</p> <p>When ? = %mystery%,</p> <table border="1"> <thead> <tr> <th>id</th><th>name</th><th>description</th></tr> </thead> <tbody> <tr><td>1</td><td>1 Mystery</td><td>The mystery genre is a genre of fiction that follows a crime (like a murder or a disappearance) from the momen...</td></tr> <tr><td>2</td><td>4 Thriller</td><td>Thrillers are characterized by fast pacing, frequent action, and resourceful heroes who must thwart the plans of...</td></tr> </tbody> </table> <p>(mystery is included in thriller's description)</p>	id	name	description	1	6 Fantasy	Fantasy is a genre that uses magic and other supernatural forms as a primary element of plot, theme, and/or ...	2	5 Horror	Horror fiction is fiction in any medium intended to scare, unsettle, or horrify the audience. Historically, the cau...	3	2 Science Fiction	Science fiction (abbreviated SF or sci-fi with varying punctuation and capitalization) is a broad genre of fiction ...	id	name	description	1	1 Mystery	The mystery genre is a genre of fiction that follows a crime (like a murder or a disappearance) from the momen...	2	4 Thriller	Thrillers are characterized by fast pacing, frequent action, and resourceful heroes who must thwart the plans of...	pass																																																																											
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<b>Program Testing</b> <b>Table:routes/functions</b>				
<b>What are you testing</b>	<b>How are you testing it</b>	<b>Expected Result</b>	<b>Result</b>	<b>Pass /Fail</b>
<pre>@app.route('/books') def books():</pre>	Test link (/books) Or click on books in nav bar	Show the books page		pass
<pre>@app.route('/books/&lt;int:id&gt;') def book_by_id(id):</pre>	Testing id = 1 (/books/1) (boundary)	Show book(Harry Potter and the Sorcerer's Stone)		pass

	testing a valid input) Or click on the book card		 <p><b>Harry Potter and the Sorcerer's Stone</b></p> <p>Rating: 4.5</p> <p>Description: Harry Potter has no idea how famous he is. That's because he's being raised by his miserable aunt and uncle who are terrified Harry will learn that he's really a wizard, just as his parents were. But everything changes when Harry is summoned to attend an infamous school for wizards, and he begins to discover some clues about his illustrious birthright. From the surprising way he is greeted by a lovable giant, to the unique curriculum and colorful faculty at his unusual school, Harry finds himself drawn deep inside a mystical world he never knew existed and closer to his own noble destiny.</p> <p>Author: J.K. Rowling</p> <p>Genres: Fantasy, Classics</p> <p>Year Published: 1997</p> <p>© 2025 My Book Library. All rights reserved. All sources from Goodreads</p>	
<pre>@app.route('/books/&lt;int:id&gt;') def book_by_id(id):</pre>	Testing id = 0/books/0 (boundary testing an invalid input)	Show 404 error page	 <p><b>404</b></p> <p>Oops! The page you are looking for does not exist. Please check the URL or return to the <a href="#">home page</a>.</p> <p>© 2025 My Book Library. All rights reserved. All sources from Goodreads</p>	pass
<pre>@app.route('/books/&lt;int:id&gt;') def book_by_id(id):</pre>	Testing id = 27 (/books/27) (boundary testing a valid input) Or click on the book card	Show book(Dune)	 <p><b>Dune</b></p> <p>Rating: 4.3</p> <p>Description: Set on the desert planet Arrakis, Dune is the story of the boy Paul Atreides, heir to a noble family tasked with ruling an inhospitable world where the only thing of value is the "spice" melange, a drug capable of extending life and enhancing consciousness. Coveted across the known universe, melange is a prize worth killing for...</p> <p>Author: Frank Herbert</p> <p>Genres: Science Fiction, Fantasy, Classics</p> <p>Year Published: 1965</p> <p>© 2025 My Book Library. All rights reserved. All sources from Goodreads</p>	pass

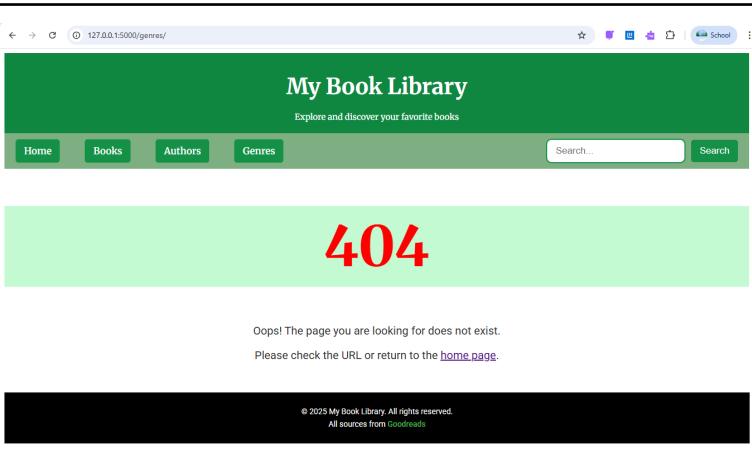
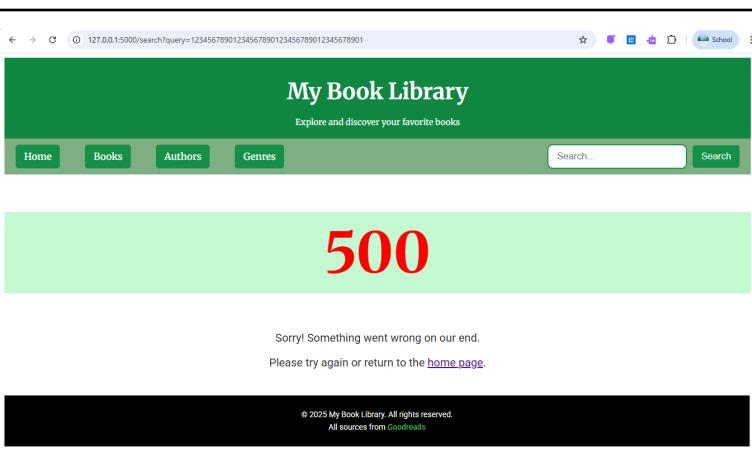
<pre>@app.route('/books/&lt;int:id&gt;') def book_by_id(id):</pre>	<p>Testing id = 28(/boo ks/28) (bounda ry testing an invalid input)</p>	<p>Show 404 page</p>	<p>The screenshot shows a web browser window with the URL '127.0.0.1:5000/books/28'. The title bar says 'My Book Library'. Below it is a navigation bar with 'Home', 'Books', 'Authors', and 'Genres' buttons. To the right is a search bar with placeholder 'Search...' and a 'Search' button. The main content area has a large green background with the number '404' in white. Below it, the text reads: 'Oops! The page you are looking for does not exist.' and 'Please check the URL or return to the <a href="#">home page</a>'. At the bottom, there's a black footer bar with the text '© 2025 My Book Library. All rights reserved.' and 'All sources from Goodreads'.</p>
<pre>@app.route('/authors') def authors():</pre>	<p>Test link (/author s) Or click on authors in nav bar</p>	<p>Show authors page</p>	<p>The screenshot shows a web browser window with the URL '127.0.0.1:5000/authors'. The title bar says 'My Book Library'. Below it is a navigation bar with 'Home', 'Books', 'Authors', and 'Genres' buttons. To the right is a search bar with placeholder 'Search...' and a 'Search' button. The main content area has a green header 'All Authors'. Below it is a grid of 15 author profiles, each with a photo, name, birth year, and nationality. The authors listed are: Agatha Christie, Antoine de Saint-Exupéry, Arthur Golden, Casey McQuiston, Dan Brown, Dan Simmons, Frank Herbert, George Orwell, Gillian Flynn, Harper Lee, J.K. Rowling, J.R.R. Tolkien, Jane Austen, Jay Anson, John Green, John Grisham, Paul Tremblay, S.J. Watson, Stieg Larsson, and Suzanne Collins.</p>

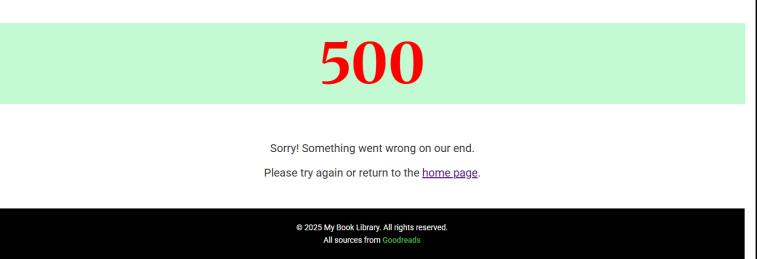
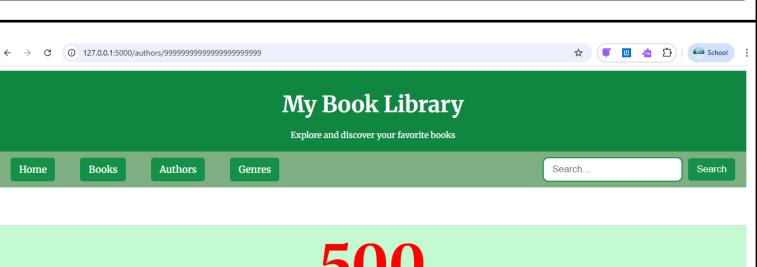
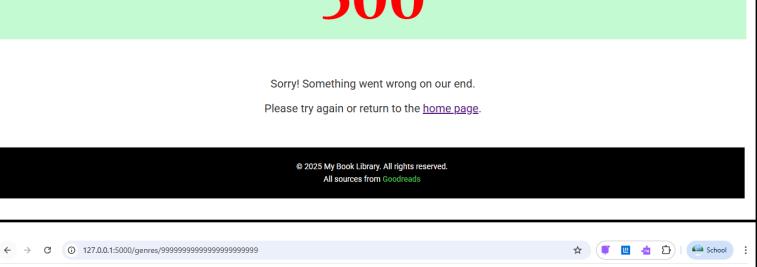
<pre>@app.route('/authors/&lt;int:id&gt;') def author_by_id(id):</pre>	<p>Testing id = 1 (/authors/1) (boundary testing a valid input) Or click on the author card</p>	<p>Show author(J. K. Rowling)</p>	pass
<pre>@app.route('/authors/&lt;int:id&gt;') def author_by_id(id):</pre>	<p>Testing id = 0 (/authors/0) (boundary testing an invalid input)</p>	<p>Show 404 page</p>	pass
<pre>@app.route('/authors/&lt;int:id&gt;') def author_by_id(id):</pre>	<p>Testing id = 20 (/authors/20) (boundary testing a valid input) Or click on the author card</p>	<p>Show author(Frank Herbert)</p>	pass

<pre>@app.route('/authors/&lt;int:id&gt;') def author_by_id(id):</pre>	<p>Testing id = 21 (/authors/21) (boundary testing an invalid input)</p>	<p>Show 404 page</p>		pass
<pre>@app.route('/genres') def genres():</pre>	<p>Test Link(/genres) Or click on genres in nav bar</p>	<p>Show genres page</p>		pass
<pre>@app.route('/genres/&lt;int:id&gt;') def genre_by_id(id):</pre>	<p>Testing id = 1 (/genres/1) (boundary testing a valid input) Or click on the genre card</p>	<p>Show genre(my mystery)</p>		pass

<pre>@app.route('/genres/&lt;int:id&gt;') def genre_by_id(id):</pre>	<p>Testing id = 0 (/genres /0) (bounda ry testing an invalid input)</p>	<p>Show 404 page</p>	<p>pass</p>																														
<pre>@app.route('/genres/&lt;int:id&gt;') def genre_by_id(id):</pre>	<p>Testing id = 9 (/genres /9) (bounda ry testing a valid input) Or click on the genre card</p>	<p>Show genre(classics)</p> <table border="1"> <thead> <tr> <th colspan="10">Books in Classics</th> </tr> </thead> <tbody> <tr> <td></td> </tr> <tr> <td>1984 Year Published: 1949 Genres: Science Fiction, Classics Rating: 4.2</td> <td>And Then There Were None Year Published: 1939 Genres: Mystery, Classics, Thriller Rating: 4.3</td> <td>Dune Year Published: 1965 Genres: Science Fiction, Fantasy, Classics Rating: 4.3</td> <td>Harry Potter and the Chamber of Secrets Year Published: 1998 Genres: Fantasy, Classics Rating: 4.4</td> <td>Harry Potter and the Deathly Hallows Year Published: 2007 Genres: Fantasy, Classics Rating: 4.6</td> <td>Harry Potter and the Goblet of Fire Year Published: 2000 Genres: Fantasy, Classics Rating: 4.6</td> <td>Harry Potter and the Order of the Phoenix Year Published: 2003 Genres: Fantasy, Classics Rating: 4.5</td> <td>The Hobbit Year Published: 1937 Genres: Fantasy, Classics Rating: 4.3</td> <td>The Little Prince Year Published: 1943 Genres: Classics, Fantasy Rating: 4.3</td> <td>To Kill a Mockingbird Year Published: 1960 Genres: Historical, Classics Rating: 4.3</td> </tr> </tbody> </table> <p>© 2025 My Book Library. All rights reserved. All sources from Goodreads</p>	Books in Classics																				1984 Year Published: 1949 Genres: Science Fiction, Classics Rating: 4.2	And Then There Were None Year Published: 1939 Genres: Mystery, Classics, Thriller Rating: 4.3	Dune Year Published: 1965 Genres: Science Fiction, Fantasy, Classics Rating: 4.3	Harry Potter and the Chamber of Secrets Year Published: 1998 Genres: Fantasy, Classics Rating: 4.4	Harry Potter and the Deathly Hallows Year Published: 2007 Genres: Fantasy, Classics Rating: 4.6	Harry Potter and the Goblet of Fire Year Published: 2000 Genres: Fantasy, Classics Rating: 4.6	Harry Potter and the Order of the Phoenix Year Published: 2003 Genres: Fantasy, Classics Rating: 4.5	The Hobbit Year Published: 1937 Genres: Fantasy, Classics Rating: 4.3	The Little Prince Year Published: 1943 Genres: Classics, Fantasy Rating: 4.3	To Kill a Mockingbird Year Published: 1960 Genres: Historical, Classics Rating: 4.3	<p>pass</p>
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<pre>@app.route('/genres/&lt;int:id&gt;') def genre_by_id(id):</pre>	<p>Testing id = 10 (/genres /10) (bounda ry testing an invalid input)</p>	<p>Show 404 page</p>		pass
<pre>@app.errorhandler(404) def page_not_found(e):</pre>	<p>Test link(/wer gthjbrhv tegrh)</p>	<p>Show 404 page</p>		pass
<pre>@app.errorhandler(404) def page_not_found(e):</pre>	<p>Test link//@ #\$%^&amp;* ()(*^&amp;^%)</p>	<p>Show 404 page</p>		pass
<pre>@app.errorhandler(404) def page_not_found(e):</pre>	<p>Test link(/bo oks/)</p>	<p>Show 404 page</p>		pass

<pre>@app.errorhandler(404) def page_not_found(e):</pre>	Test link(/authors/) Show 404 page	 <p>The screenshot shows a web browser window with the URL '127.0.0.1:5000/genres/'. The layout is identical to the authors page, with a green header, navigation bar, search bar, and a large red '404' in a light green box. The error message and footer are also the same.</p>	
<pre>@app.errorhandler(404) def page_not_found(e):</pre>	Test link(/genres/) Show 404 page	 <p>The screenshot shows a web browser window with the URL '127.0.0.1:5000/search?query=12345678901234567890123456789012345678901'. The layout is identical to the others, with a green header, navigation bar, search bar, and a large red '500' in a light green box. The error message and footer are also the same.</p>	pass
<pre>@app.errorhandler(500) def internal_server_error(e):</pre>	Test input 41 characte rs into search bar(max =40), link(/sea rch?quer y=12345 6789012 3456789 0123456 7890123 4567890 1)	 <p>The screenshot shows a web browser window with the URL '127.0.0.1:5000/search?query=12345678901234567890123456789012345678901'. The layout is identical to the others, with a green header, navigation bar, search bar, and a large red '500' in a light green box. The error message 'Sorry! Something went wrong on our end.' and the footer are visible.</p>	pass

@app.errorhandler(Exception) def handle_exception(e):	Test link(/books/99999999999999999999999999999999)	Show 500 page	 <p>The screenshot shows a green header bar with the title "My Book Library" and the subtext "Explore and discover your favorite books". Below the header is a navigation bar with buttons for "Home", "Books", "Authors", and "Genres". A search bar with placeholder text "Search..." and a "Search" button are also present. The main content area features a large red "500" centered on a light green background. Below the error message, there is a small footer section containing the text "© 2025 My Book Library. All rights reserved." and "All sources from Goodreads".</p>	pass
@app.errorhandler(Exception) def handle_exception(e):	Test link(/authors/99999999999999999999999999999999)	Show 500 page	 <p>The screenshot shows a green header bar with the title "My Book Library" and the subtext "Explore and discover your favorite books". Below the header is a navigation bar with buttons for "Home", "Books", "Authors", and "Genres". A search bar with placeholder text "Search..." and a "Search" button are also present. The main content area features a large red "500" centered on a light green background. Below the error message, there is a small footer section containing the text "© 2025 My Book Library. All rights reserved." and "All sources from Goodreads".</p>	pass
@app.errorhandler(Exception) def handle_exception(e):	Test link(/genres/99999999999999999999999999999999)	Show 500 page	 <p>The screenshot shows a green header bar with the title "My Book Library" and the subtext "Explore and discover your favorite books". Below the header is a navigation bar with buttons for "Home", "Books", "Authors", and "Genres". A search bar with placeholder text "Search..." and a "Search" button are also present. The main content area features a large red "500" centered on a light green background. Below the error message, there is a small footer section containing the text "© 2025 My Book Library. All rights reserved." and "All sources from Goodreads".</p>	pass
@app.route('/search') def search():	Test query = harry, link(/sea rch?quer y=harry)	Show all books, authors, genres valid/alik e/include "harry"	 <p>The screenshot shows a green header bar with the title "My Book Library" and the subtext "Explore and discover your favorite books". Below the header is a navigation bar with buttons for "Home", "Books", "Authors", and "Genres". A search bar with placeholder text "Search..." and a "Search" button are also present. The main content area displays the heading "Search Results for 'harry'" and a sub-section titled "Books".</p>	pass

			<p>Harry Potter and the Chamber of Secrets Genre: Fantasy, Classics Year Published: 1998 Rating: 4.4</p> <p>Harry Potter and the Deathly Hallows Genre: Fantasy, Classics Year Published: 2007 Rating: 4.6</p> <p>Harry Potter and the Goblet of Fire Genre: Fantasy, Classics Year Published: 2000 Rating: 4.6</p> <p>Harry Potter and the Order of the Phoenix Genre: Fantasy, Classics Year Published: 2003 Rating: 4.5</p> <p>Harry Potter and the Prisoner of Azkaban Genre: Fantasy, Classics Year Published: 1999 Rating: 4.6</p> <p>Harry Potter and the Sorcerer's Stone Genre: Fantasy, Classics Year Published: 1997 Rating: 4.5</p>	
			<p style="text-align: center;"><b>Authors</b></p> <p>No authors found for "harry".</p> <p style="text-align: center;"><b>Genres</b></p> <p>No genres found for "harry".</p> <p style="text-align: right;">© 2025 My Book Library. All rights reserved. All sources from Goodreads</p>	
<pre>@app.route('/search') def search():</pre>	Test query = rowling, authors, genres valid/include "rowling"	Show all books, authors, genres valid/include "rowling"	<p>J.K. Rowling Birth Year: 1965 Nationality: UK</p>	pass
<pre>@app.route('/search') def search():</pre>	Test query = horror, authors, genres valid/include "horror"	Show all books, authors, genres valid/include "horror"	<p>Books</p>	pass

			<p>(fantasy and science fiction also fetched out because they have "horror" included in their descriptions)</p>	
<pre>@app.route('/search') def search():</pre>	Testing input of 0 characters(empty) (boundary testing an invalid input)	Restricted and not allowed, a warning box popping up		pass
<pre>@app.route('/search') def search():</pre>	Testing input of 1 character (/search ?query=z) (boundary testing a valid input)	Show all books, authors, genres valid/alike/include "z"		pass



	invalid input)			
--	-------------------	--	--	--

## Data integrity Testing Table

Purpose:

Check end to end data correctness (book cards from homepage linked to their detail pages)

Trial 1: (Book: Harry Potter and the Deathly Hallows)



[127.0.0.1:5000/books/7](http://127.0.0.1:5000/books/7)

My Book Library  
Explore and discover your favorite books  
Home Books Authors Genres Search... Search

**Harry Potter and the Deathly Hallows**

**Harry Potter and the Deathly Hallows**  
Rating: 4.6

Description: Harry has been burdened with a dark, dangerous and seemingly impossible task: that of locating and destroying Voldemort's remaining Horcruxes. Never has Harry felt so alone, or faced a future so full of shadows. But Harry must somehow find within himself the strength to complete the task he has been given. He must leave the warmth, safety and companionship of The Burrow and follow without fear or hesitation the inevitable path laid out for him... In this final, seventh installment of the Harry Potter series, J.K. Rowling unveils in spectacular fashion the answers to the many questions that have been so eagerly awaited.

Author: J.K. Rowling  
Genres: Fantasy, Classics  
Year Published: 2007

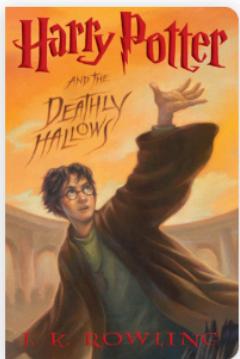
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All sources from Goodreads

Hover over the book card in the home page(image on the left), the url in the bottom left corner is /books/7, when I click the card(link), it matches with the url of its book detail page(image on the right).

7	7	Harry Potter and the Deathly Hallows	2007	Harry has been burdened with a dark, dangerous and seemingly impossible task: that of locating and destroyin...	hollows.jpg	4.6	1
1	1	J.K. Rowling	1965	UK	Rowling was born to Peter James Rowling, a Rolls-Royce aircraft engineer, and Anne Rowling (née Volant), on 3...		
7	7	6	36	7	9		
6	6	Fantasy	Fantasy is a genre that uses magic and other supernatural forms as a primary element of plot, theme, and/or ...				
9	9	Classics	A classic stands the test of time. The work is usually considered to be a representation of the period in which it ...				

Row 1: books table, Row 2: author table, Row 3: books\_genre table, Row 4/5: genre table

I went through my books table in the database and found the line of id 7, the book is exactly Harry Potter and the Deathly Hallows and all of its data is correct, including FKs of author and genre.



Harry Potter #7

# Harry Potter and the Deathly Hallows

J.K. Rowling

★★★★★ 4.62 4,037,766 ratings · 96,758 reviews

Harry has been burdened with a dark, dangerous and seemingly impossible task: that of locating and destroying Voldemort's remaining Horcruxes. Never has Harry felt so alone, or faced a future so full of shadows. But Harry must somehow find within himself the strength to complete the task he has been given. He must leave the warmth, safety and companionship of The Burrow and follow without fear or hesitation the inexorable path laid out for him...

Show more ▾

Genres [Fantasy](#) [Young Adult](#) [Fiction](#) [Harry Potter](#) [Magic](#) [Audiobook](#) [Childrens](#) [Adventure](#) [Middle Grade](#)

Classics [...show all](#)

759 pages, Hardcover

First published July 21, 2007

Want to Read

Shop this series



I also checked the source information, which all matches up with the data in my database, rating is rounded to 1 decimal place(4.0 as 4), several genres valid to the book are chosen from the source(Fantasy, classics).

Trial 2: (Book: Harry Potter and the Chamber of Secrets)

[Harry Potter and the Chamber of Secrets](#)  
Rating: 4.4

127.0.0.1:5000/books/9

My Book Library  
Explore and discover your favorite books

Home Books Authors Genres Search... Search

## Harry Potter and the Chamber of Secrets

**Harry Potter and the Chamber of Secrets**

Rating: 4.4

Description: Ever since Harry Potter had come home for the summer, the Dursleys had been so mean and hideous that all Harry wanted was to get back to the Hogwarts School for Witchcraft and Wizardry. But just as he's packing his bags, Harry receives a warning from a strange impish creature who says that if Harry returns to Hogwarts, disaster will strike.

Author: J.K. Rowling  
Genres: Fantasy, Classics  
Year Published: 1998

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All sources from Goodreads

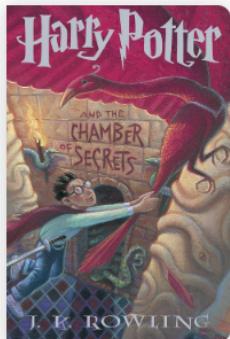
Hover over the book card in the home page(image on the left), the url in the bottom left corner is /books/9, when I click the card(link), it matches with the url of its book detail page(image on the right).

9	9   Harry Potter and the Chamber of Secrets	1998	Ever since Harry Potter had come home for the summer, the Dursleys had been so mean and hideous that all ...	secrets.jpg	4.4	1
1	1   J.K. Rowling	1965   UK	rowling.jpg	Rowling was born to Peter James Rowling, a Rolls-Royce aircraft engineer, and Anne Rowling (née Volant), on 3...		

9	9	6	38	9	9
6	6	Fantasy	Fantasy is a genre that uses magic and other supernatural forms as a primary element of plot, theme, and/or ...		
9	9	Classics	A classic stands the test of time. The work is usually considered to be a representation of the period in which it ...		

Row 1: books table, Row 2: author table, Row 3: books\_genre table, Row 4/5: genre table

I went through my books table in the database and found the line of id 9, the book is exactly Harry Potter and the Chamber of Secrets and all of its data is correct, including FKs of author and genre.



Harry Potter #2

## Harry Potter and the Chamber of Secrets

J.K. Rowling, Mary GrandPré (Illustrator)

★★★★★ 4.43 4,387,670 ratings · 93,414 reviews

Ever since Harry Potter had come home for the summer, the Dursleys had been so mean and hideous that all Harry wanted was to get back to the Hogwarts School for Witchcraft and Wizardry. But just as he's packing his bags, Harry receives a warning from a strange impish creature who says that if Harry returns to Hogwarts, disaster will strike.

Show more ▾

Genres [Fantasy](#) [Fiction](#) [Young Adult](#) [Harry Potter](#) [Magic](#) [Childrens](#) [Audiobook](#) [Middle Grade](#) [Adventure](#)

Classics [...show all](#)

352 pages, Hardcover

First published August 5, 2002

Want to Read

Shop this series



Rate this book

I also checked the source information, which all matches up with the data in my database, rating is rounded to 1 decimal place(4.0 as 4), several genres valid to the book are chosen from the source(Fantasy, classics).

Purpose:

Check end to end data correctness (book cards from books page linked to their detail pages)

Trial 1: (Book: 1984)

**1984**

Year Published: 1949

Genres: Science Fiction, Classics

Rating: 4.2

[127.0.0.1:5000/books/11](http://127.0.0.1:5000/books/11)

My Book Library

Explore and discover your favorite books

Home Books Authors Genres Search Search

1984

**1984**

Rating: 4.2

Description: The year 1984 has come and gone, but George Orwell's prophetic, nightmarish vision in 1949 of the world we were becoming is timelier than ever. 1984 is still the great modern classic of "negative utopia"—a startlingly original and haunting novel that creates an imaginary world that is completely convincing, from the first sentence to the last four words. No one can deny the novel's hold on the imaginations of whole generations, or the power of its admonitions—a power that seems to grow, not lessen, with the passage of time.

Author: George Orwell

Genres: Science Fiction, Classics

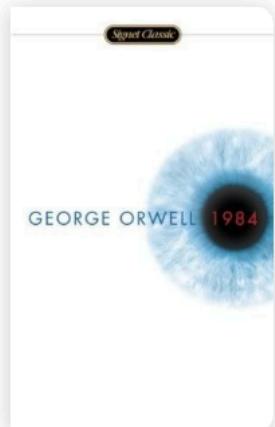
Year Published: 1949

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All sources from [Goodreads](#)

Hover over the book card in the books page(image on the left), the url in the bottom left corner is /books/11, when I click the card(link), it matches with the url of its book detail page(image on the right).

11	11   1984	1949   The year 1984 has come and gone, but George Orwell's prophetic, nightmarish vision in 1949 of the world we ...	1984.jpg	4.2	5
5	5   George Orwell	1903   British India   orwell.jpg	Eric Arthur Blair was an English novelist, poet, essayist, journalist and critic who wrote under the pen name of ...		
11	11	2   39	11	9	
2	2   Science Fiction	Science fiction (abbreviated SF or sci-fi with varying punctuation and capitalization) is a broad genre of fiction ...			
9	9   Classics	A classic stands the test of time. The work is usually considered to be a representation of the period in which it ...			

Row 1: books table, Row 2: author table, Row 3: books\_genre table, Row 4/5: genre table  
I went through my books table in the database and found the line of id 11, the book is exactly 1984 and all of its data is correct, including FKs of author and genre.



# 1984

George Orwell

★★★★★ 4.20 5,292,967 ratings · 146,949 reviews

The year 1984 has come and gone, but George Orwell's prophetic, nightmarish vision in 1949 of the world we were becoming is timelier than ever. 1984 is still the great modern classic of "negative utopia"—a startlingly original and haunting novel that creates an imaginary world that is completely convincing, from the first sentence to the last four words. No one can deny the novel's hold on the imaginations of whole generations, or the power of its admonitions—a power that seems to grow, not lessen, with the passage of time.

Genres [Classics](#) [Fiction](#) [Science Fiction](#) [Dystopia](#) [Literature](#) [Politics](#) [Novels](#) [...more](#)

328 pages, Mass Market Paperback

First published June 8, 1949

[Want to Read](#) ▾

I also checked the source information, which all matches up with the data in my database, rating is rounded to 1 decimal place(4.0 as 4), several genres valid to the book are chosen from the source(science fiction, classics).

Trial 2: (Book: The Fault in Our Stars)

The Fault in Our Stars

Year Published: 2012

Genres: Romance

Rating: 4.1

My Book Library

Explore and discover your favorite books

Home Books Authors Genres Search...

The Fault in Our Stars

**The Fault in Our Stars**

Rating: 4.1

Description: Despite the tumor-shrinking medical miracle that has bought her a few years, Hazel has never been anything but terminal, her final chapter inscribed upon diagnosis. But when a gorgeous plot twist named Augustus Waters suddenly appears at Cancer Kid Support Group, Hazel's story is about to be completely rewritten. Insightful, bold, irreverent, and raw, The Fault in Our Stars is award-winning author John Green's most ambitious and heartbreakingly brilliant exploring the funny, thrilling, and tragic business of being alive and in love.

Author: John Green

Genres: Romance

Year Published: 2012

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All sources from Goodreads

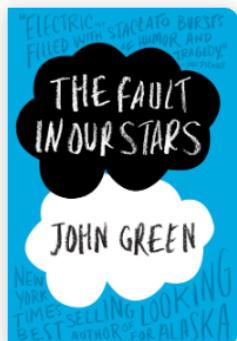
127.0.0.1:5000/books/10

Hover over the book card in the books page(image on the left), the url in the bottom left corner is /books/10, when I click the card(link), it matches with the url of its book detail page(image on the right).

10	10   The Fault in Our Stars	2012   Despite the tumor-shrinking medical miracle that has bought her a few years, Hazel has never been anything b...	stars.jpg	4.1	4
4	4   John Green	1977   US	green.jpg	John Green's first novel, Looking for Alaska, won the 2006 Michael L. Printz Award presented by the American ...	
10	10	7			
7	7   Romance	According to the Romance Writers of America, "Two basic elements comprise every romance novel: a central ...			

Row 1: books table, Row 2: author table, Row 3: books\_genre table, Row 4: genre table

I went through my books table in the database and found the line of id 10, the book is exactly The Fault in Our Stars and all of its data is correct, including FKs of author and genre.



# The Fault in Our Stars

John Green

4.12 5,619,821 ratings · 186,367 reviews

**Goodreads Choice Award** [Winner for Readers' Favorite Young Adult Fiction \(2012\)](#)

Despite the tumor-shrinking medical miracle that has bought her a few years, Hazel has never been anything but terminal, her final chapter inscribed upon diagnosis. But when a gorgeous plot twist named Augustus Waters suddenly appears at Cancer Kid Support Group, Hazel's story is about to be completely rewritten.

Show more ▾

Genres [Young Adult](#) [Romance](#) [Fiction](#) [Contemporary](#) [Realistic Fiction](#) [Book Club](#) [Coming Of Age](#) [...more](#)

313 pages, Hardcover

First published January 10, 2012

I also checked the source information, which all matches up with the data in my database, rating is rounded to 1 decimal place(4.0 as 4), a genre valid to the book is chosen from the source(romance).

## Purpose:

Check end to end data correctness (author cards from authors page linked to their detail pages)

Trial 1: (Author: Agatha Christie)

Agatha Christie

Born: 1890

Nationality: UK

127.0.0.1:5000/authors/11

My Book Library

Explore and discover your favorite books

Home Books Authors Genres

Search... Search

Agatha Christie

Agatha Christie

Birth year: 1890

Nationality: UK

Biography: Dame Agatha Mary Clarissa Christie, Lady Mallowan, DBE (née Miller) was an English writer known for her 66 detective novels and 14 short story collections, particularly those revolving around fictional detectives Hercule Poirot and Miss Marple. She also wrote the world's longest-running play, the murder mystery *The Mousetrap*, which has been performed in the West End of London since 1952. A writer during the 'Golden Age of Detective Fiction', Christie has been called the 'Queen of Crime'. She also wrote six novels under the pseudonym Mary Westmacott. In 1971, she was made a Dame (DBE) by Queen Elizabeth II for her contributions to literature. Guinness World Records lists Christie as the best-selling author of all time, her novels having sold more than two billion copies. This best-selling author of all time wrote 66 crime novels and story collections, fourteen plays, and six novels under a pseudonym in romance. Her books sold more than a billion copies in the English language and a billion in translation. According to Index Translationum, people translated her works into 103 languages at least, the most for an individual author. Of the most enduring figures in crime literature, she created Hercule Poirot and Miss Jane Marple. She authored *The Mousetrap*, the longest-running play in the history of modern theater.

Hover over the author card in the authors page(image on the left), the url in the bottom left corner is /authors/11, when I click the card(link), it matches with the url of its author detail page(image on the right).

11 | 11 | Agatha Christie | 1890 | UK | christie.jpg | Dame Agatha Mary Clarissa Christie, Lady Mallowan, DBE (née Miller) was an English writer known for her 66 ...

I went through my author table in the database and found the line of id 11, the author is exactly Agatha Christie and all of its data is correct.



[more photos \(9\)](#)

## Agatha Christie

Born	in Torquay, Devon, England, The United Kingdom
September 15, 1890	
Died	January 12, 1976
Website	<a href="https://www.agathachristie.com/en">https://www.agathachristie.com/en</a>
Genre	Mystery, Crime, Thriller
Influences	Edgar Allan Poe, Anna Katherine Green, Sir Arthur Conan Doyle, G.K. Ch ...more

[edit data](#)

Agatha Christie also wrote romance novels under the pseudonym **Mary Westmacott**, and was occasionally published under the name **Agatha Christie Mallowan**.

Dame Agatha Mary Clarissa Christie, Lady Mallowan, DBE (née Miller) was an English writer known for her 66 detective novels and 14 short story collections, particularly those revolving around fictional detectives Hercule Poirot and Miss Marple. She also wrote the world's longest-running play, the murder mystery *The Mousetrap*, which has been performed in the West End of London since 1952. A writer during the "Golden Age of Detective Fiction", Christie has been called the "Queen of Crime". She also wrote six novels under the pseudonym Mary Westmacott. In 1971, she was made a Dame (DBE) by Queen Elizabeth II for her contributions to literature. Guinness World Records lists Christie as the best-selling fiction writer of all time, her novels having sold more than two billion copies.

This best-selling author of all time wrote 66 crime novels and story collections, fourteen plays, and six novels under a pseudonym in romance. Her books sold more than a billion copies in the English language and a billion in translation. According to Index Translationum, people translated her works into 103 languages at least, the most for an individual author. Of the most enduring figures in crime literature, she created Hercule Poirot and Miss Jane Marple. She authored *The Mousetrap*, the longest-running play in the history of modern theater.

I also checked the source information, which all matches up with the data in my database, an extract was taken from the source for biography.

Trial 2: (Author: George Orwell)

**George Orwell**

Born: 1903

Nationality: British  
India

[127.0.0.1:5000/authors/5](http://127.0.0.1:5000/authors/5)

← → ⌂ 127.0.0.1:5000/authors/5

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**George Orwell**

**George Orwell**

Birth year: 1903

Nationality: British India

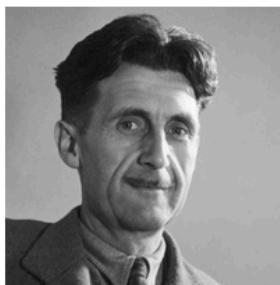
Biography: Eric Arthur Blair was an English novelist, poet, essayist, journalist and critic who wrote under the pen name of George Orwell. His work is characterised by lucid prose, social criticism, opposition to all totalitarianism (both authoritarian communism and fascism), and support of democratic socialism. Orwell is best known for his allegorical novella *Animal Farm* (1945) and the dystopian novel *Nineteen Eighty-Four* (1949), although his works also encompass literary criticism, poetry, fiction and polemical journalism. His non-fiction works, including *The Road to Wigan Pier* (1937), document his experience of working-class life in the industrial north of England, and *Homage to Catalonia* (1938), an account of his experiences soldiering for the Republican faction of the Spanish Civil War (1936–1939), are as critically respected as his essays on politics, literature, language and culture. Orwell's work remains influential in popular culture and in political culture, and the adjective "Orwellian"—describing totalitarian and authoritarian social practices—is part of the English language, like many of his neologisms, such as "Big Brother", "Thought Police", "Room 101", "Newspeak", "memory hole", "doublethink", and "thoughtcrime". In 2008, The Times named Orwell the second-greatest British writer since 1945.

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All sources from [Goodreads](#)

Hover over the author card in the authors page(image on the left), the url in the bottom left corner is /authors/5, when I click the card(link), it matches with the url of its author detail page(image on the right).

5 | George Orwell | 1903 | British India | orwell.jpg | Eric Arthur Blair was an English novelist, poet, essayist, journalist and critic who wrote under the pen name of ...

I went through my author table in the database and found the line of id 5, the author is exactly George Orwell and all of its data is correct.



## George Orwell

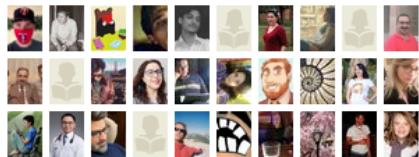
Born	in Motihari, Bengal Presidency, British India June 25, 1903
Died	January 21, 1950
Website	<a href="http://www.george-orwell.org/">http://www.george-orwell.org/</a>
Genre	Fiction, Politics, Journalism
Influences	Charles Dickens, Jonathan Swift, Charles Reade, Yevgeny Zamyatin, Gust ... <a href="#">more</a>

[edit data](#)

Eric Arthur Blair was an English novelist, poet, essayist, journalist and critic who wrote under the pen name of George Orwell. His work is characterised by lucid prose, social criticism, opposition to all totalitarianism (both authoritarian communism and fascism), and support of democratic socialism.

Orwell is best known for his allegorical novella *Animal Farm* (1945) and the dystopian novel *Nineteen Eighty-Four* (1949), although his works also encompass literary criticism, poetry, fiction and polemical journalism. His non-fiction works, including *The Road to Wigan Pier* (1937), documenting his experience of working-class life in the industrial north of England, and *Homage to Catalonia* (1938), an account of his experiences soldiering for the Republican faction of the Spanish Civil War (1936–1939), are as critically respected as his essays on politics, literature, language and culture. Orwell's work remains influential in popular culture and in political culture, and the adjective "Orwellian"—describing totalitarian and authoritarian social practices—is part of the English language, like many of his neologisms, such as "Big Brother", "Thought Police", "Room 101", "Newspeak", "memory hole", "doublethink", and "thoughtcrime". In 2008, *The Times* named Orwell the second-greatest British writer since 1945. ([less](#))

### GEORGE ORWELL'S FOLLOWERS (49,590)



### VIDEOS

[Add New](#)



I also checked the source information, which all matches up with the data in my database, an extract was taken from the source for biography.

### Purpose:

Check end to end data correctness (genre cards from genres page linked to their detail pages)

Trial 1: (Genre: Classics)

## Classics

## Science Fiction

127.0.0.1:5000/genres/9

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### Classics

Description: A classic stands the test of time. The work is usually considered to be a representation of the period in which it was written, and the work merits lasting recognition. In other words, if the book was published in the recent past, the work is not a classic. A classic has a certain universal appeal. Great works of literature touch us to our very core beings—partly because they integrate themes that are understood by readers from a wide range of backgrounds and levels of experience. Themes of love, hate, death, life, and faith touch upon some of our most basic emotional responses.

#### Books in Classics

Book Cover	Title	Author	Year Published	Genres	Rating
	1984	George Orwell	1949	Science Fiction, Classics	4.2
	And Then There Were None	Dickens	1939	Mystery, Classics, Thriller	4.3
	Dune	Frank Herbert	1965	Science Fiction, Fantasy, Classics	4.3
	Harry Potter and the Chamber of Secrets	J.K. Rowling	1998	Fantasy, Classics	4.4
	Harry Potter and the Deathly Hallows	J.K. Rowling	2007	Fantasy, Classics	4.6
	Harry Potter and the Goblet of Fire	J.K. Rowling	2000	Fantasy, Classics	4.6
	Harry Potter and the Order of the Phoenix	J.K. Rowling	2003	Fantasy, Classics	4.5
	The Hobbit	J.R.R. Tolkien	1937	Horror	4.3
	The Little Prince	Antoine de Saint-Exupéry	1943	Fantasy, Classics, Fantasy	4.3
	To Kill a Mockingbird	Harper Lee	1960	Historical, Classics	4.3
	Memoirs of a Geisha	Arthur Golden	1997	Fantasy, Classics	4.2
	Pride and Prejudice	Jane Austen	1813	Historical, Romance, Classics	4.3
	The Amityville Horror	Peter Straub	1977	Horror, Thriller, Classics	3.8

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All sources from Goodreads

Hover over the genre card in the genres page(image on the left), the url in the bottom left corner is /genres/9, when I click the card(link), it matches with the url of its genre detail page(image on the right).

9 | Classics

A classic stands the test of time. The work is usually considered to be a representation of the period in which it ...

	<b>id</b>	<b>name</b>	<b>photo</b>	<b>year published</b>	<b>rating</b>	<b>genres</b>
1	11	1984	1984.jpg	1949	4.2	Science Fiction, Classics
2	18	And Then There Were None	none.jpg	1939	4.3	Mystery, Classics, Thriller
3	27	Dune	dune.jpg	1965	4.3	Science Fiction, Fantasy, Classics
4	9	Harry Potter and the Chamber of Secrets	secrets.jpg	1998	4.4	Fantasy, Classics
5	7	Harry Potter and the Deathly Hallows	hollows.jpg	2007	4.6	Fantasy, Classics
6	13	Harry Potter and the Goblet of Fire	goblet.jpg	2000	4.6	Fantasy, Classics
7	6	Harry Potter and the Order of the Phoenix	phoenix.jpg	2003	4.5	Fantasy, Classics
8	8	Harry Potter and the Prisoner of Azkaban	azkaban.jpg	1999	4.6	Fantasy, Classics
9	1	Harry Potter and the Sorcerer's Stone	stone.jpg	1997	4.5	Fantasy, Classics
10	15	Memoirs of a Geisha	geisha.jpg	1997	4.2	Historical, Romance, Classics
11	12	Pride and Prejudice	prejudice.jpg	1813	4.3	Classics, Historical, Romance
12	25	The Amityville Horror	horror.jpg	1977	3.8	Horror, Thriller, Classics
13	14	The Hobbit	hobbit.jpg	1937	4.3	Fantasy, Classics
14	16	The Little Prince	prince.jpg	1943	4.3	Classics, Fantasy
15	5	To Kill a Mockingbird	bird.jpg	1960	4.3	Historical, Classics

image 1: genre table, image 2: every book that has a genre of classics

I went through my genre table in the database and found the line of id 9, the genre is exactly classics and all of its data is correct. The books presented in the detail page are also correct.

## Classics

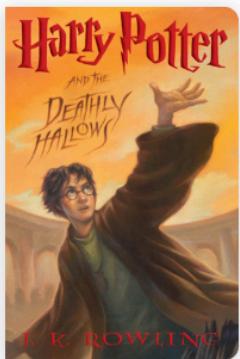
A classic stands the test of time. The work is usually considered to be a representation of the period in which it was written; and the work merits lasting recognition. In other words, if the book was published in the recent past, the work is not a classic.

A classic has a certain universal appeal. Great works of literature touch us to our very core beings-- partly because they integrate themes that are understood by readers from a wide range of backgrounds and levels of experience. Themes of love, hate, death, life, and faith touch upon some of our most basic emotional responses.

Although the term is often associated with the Western canon, it can be applied to works of literature from all traditions, such as the Chinese classics or the Indian Vedas.

**Disambiguation:** The study of ancient ("classical") civilisations and languages, see [Classical studies](#).  
[\(less\)](#)

(Pick two books as examples to prove data correctness)



Harry Potter #7

## Harry Potter and the Deathly Hallows

J.K. Rowling

★★★★★ 4.62 4,037,766 ratings · 96,758 reviews

Harry has been burdened with a dark, dangerous and seemingly impossible task: that of locating and destroying Voldemort's remaining Horcruxes. Never has Harry felt so alone, or faced a future so full of shadows. But Harry must somehow find within himself the strength to complete the task he has been given. He must leave the warmth, safety and companionship of The Burrow and follow without fear or hesitation the inexorable path laid out for him...

Show more ▾

Genres [Fantasy](#) [Young Adult](#) [Fiction](#) [Harry Potter](#) [Magic](#) [Audiobook](#) [Childrens](#) [Adventure](#) [Middle Grade](#)

Classics [...show all](#)

759 pages, Hardcover

First published July 21, 2007

## 1984

George Orwell

★★★★★ 4.20 5,292,967 ratings · 146,949 reviews

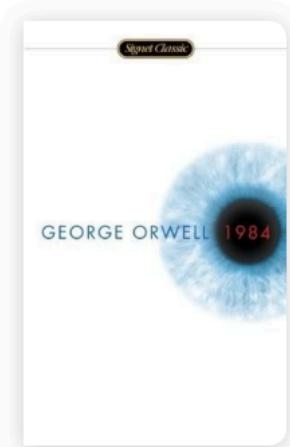
The year 1984 has come and gone, but George Orwell's prophetic, nightmarish vision in 1949 of the world we were becoming is timelier than ever. 1984 is still the great modern classic of "negative utopia"—a startlingly original and haunting novel that creates an imaginary world that is completely convincing, from the first sentence to the last four words. No one can deny the novel's hold on the imaginations of whole generations, or the power of its admonitions—a power that seems to grow, not lessen, with the passage of time.

Genres [Classics](#) [Fiction](#) [Science Fiction](#) [Dystopia](#) [Literature](#) [Politics](#) [Novels](#) [...more](#)

328 pages, Mass Market Paperback

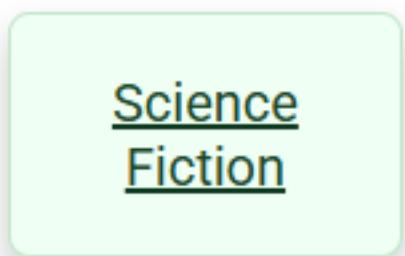
First published June 8, 1949

Want to Read



I also checked the source information, which all matches up with the data in my database, an extract was taken from the source for description.

Trial 2: (Genre: Science Fiction)



127.0.0.1:5000/genres/2

The screenshot shows a web browser window with the URL 127.0.0.1:5000/genres/2. The page has a green header bar with the title "My Book Library" and a sub-header "Explore and discover your favorite books". Below the header are navigation buttons for "Home", "Books", "Authors", and "Genres", along with a search bar. The main content area is titled "Science Fiction" and contains a detailed description of the genre. Below the description is a section titled "Books in Science Fiction" featuring five book cards: "1984" by George Orwell, "Catching Fire" by Suzanne Collins, "Dune" by Frank Herbert, "Mockingjay" by Suzanne Collins, and "The Hunger Games" by Suzanne Collins. Each card includes a small thumbnail image, the book's name, the author's name, the year published, genres, rating, and a short description.

Hover over the genre card in the genres page(image on the left), the url in the bottom left corner is /genres/2, when I click the card(link), it matches with the url of its genre detail page(image on the right).

	2	Science Fiction	Science fiction (abbreviated SF or sci-fi with varying punctuation and capitalization) is a broad genre of fiction ...		
id	name	photo	year published	rating	genres
1	11	1984	1984.jpg	4.2	Science Fiction, Classics
2	3	Catching Fire	fire.jpg	4.4	Dystopia, Fantasy, Science Fiction, Romance
3	27	Dune	dune.jpg	4.3	Science Fiction, Fantasy, Classics
4	4	Mockingjay	jay.jpg	4.1	Dystopia, Fantasy, Science Fiction
5	2	The Hunger Games	games.jpg	4.4	Dystopia, Fantasy, Romance, Science Fiction

image 1: genre table, image 2: every book that has a genre of science fiction

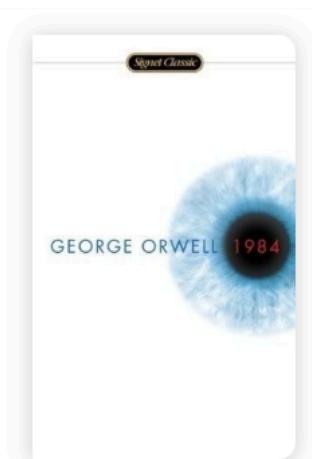
I went through my genre table in the database and found the line of id 2, the genre is exactly science fiction and all of its data is correct. The books presented in the detail page are also correct.

# Science Fiction

Science fiction (abbreviated SF or sci-fi with varying punctuation and capitalization) is a broad genre of [fiction](#) that often involves speculations based on current or future science or technology. Science fiction is found in books, art, television, films, games, theatre, and other media. In organizational or marketing contexts, science fiction can be synonymous with the broader definition of [speculative fiction](#), encompassing creative works incorporating imaginative elements not found in contemporary reality; this includes [fantasy](#), [horror](#) and related genres.

Although the two genres are often conflated as [science fiction/fantasy](#), science fiction differs from fantasy in that, within the context of the story, its imaginary elements are largely possible within scientifically established or scientifically postulated laws of nature (though some elements in a story might still be pure imaginative speculation). Exploring the consequences of such differences is the traditional purpose of science fiction, making it a "literature of ideas". Science fantasy is largely based on writing entertainingly and rationally about alternate possibilities in settings that are contrary to known reality. ([less](#))

(Pick two books as examples to prove data correctness)



## 1984

George Orwell

4.20 5,292,967 ratings · 146,949 reviews

The year 1984 has come and gone, but George Orwell's prophetic, nightmarish vision in 1949 of the world we were becoming is timelier than ever. 1984 is still the great modern classic of "negative utopia"—a startlingly original and haunting novel that creates an imaginary world that is completely convincing, from the first sentence to the last four words. No one can deny the novel's hold on the imaginations of whole generations, or the power of its admonitions—a power that seems to grow, not lessen, with the passage of time.

Genres [Classics](#) [Fiction](#) [Science Fiction](#) [Dystopia](#) [Literature](#) [Politics](#) [Novels](#) [...more](#)

328 pages, Mass Market Paperback

First published June 8, 1949

Want to Read

The Hunger Games #2

## Catching Fire

Suzanne Collins

4.35 4,053,889 ratings · 148,715 reviews

Sparks are igniting.  
Flames are spreading.  
And the Capitol wants revenge.

Against all odds, Katniss Everdeen has won the Hunger Games. She and fellow District 12

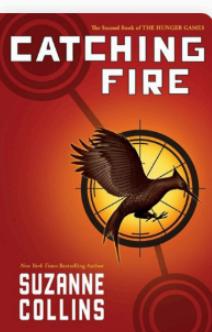
Show more ▾

Genres [Young Adult](#) [Dystopia](#) [Fiction](#) [Fantasy](#) [Science Fiction](#) [Romance](#) [Adventure](#) [Audiobook](#) [Teen](#)

[Post Apocalyptic](#) [...show all](#)

391 pages, Hardcover

First published September 1, 2009



Want to Read

Shop this series ↗



I also checked the source information, which all matches up with the data in my database, an extract was taken from the source for description.

#### Purpose:

Check end to end data correctness (book detail pages linked to author detail pages)

Trial 1: (Book: Before I Go to Sleep)



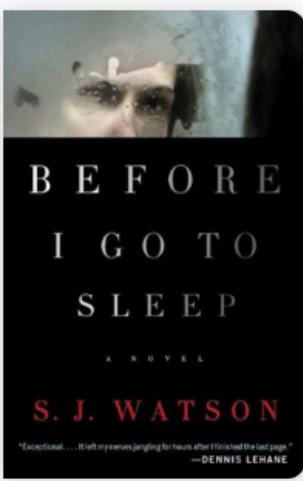
The screenshot shows an author detail page for 'S.J. Watson'. The header reads 'My Book Library' with a sub-header 'Explore and discover your favorite books'. Below the header are buttons for 'Home', 'Books', 'Authors', and 'Genres', along with a search bar. The main content area shows a profile picture of S.J. Watson and his name 'S.J. Watson'. Below the name is a biography: 'Biography: S.J. Watson was born in the UK, lives in London and worked in the NHS for a number of years...'. It also mentions that the book 'Before I Go to Sleep' was released in 2011 and has won numerous awards. At the bottom of the page is a footer with the text '© 2025 My Book Library. All rights reserved.' and 'All sources from Goodreads'.

Hover over the author link in the books detail page(image on the left), the url in the bottom left corner is /authors/15, when I click the link, it matches with the url of its author detail page(image on the right).

22	22	Before I Go to Sleep	2011	Memories define us....	sleep.jpg	3.9	15
15	15	S.J. Watson	1971	UK	watson.jpg	S J Watson was born in the UK, lives in London and worked in the NHS for a number of years....	

Row 1: books table, Row 2: author table

I went through my books table in the database and found the line of id 22, which has a FK of author id of 15. Then I went through my authors table and found the line of id 15, the author is exactly S.J. Watson and all its data is correct.



# Before I Go to Sleep

S.J. Watson

3.90 363,969 ratings · 26,274 reviews

**Goodreads Choice Award** **Nominee for Readers' Favorite Mystery & Thriller (2011)**  
Memories define us.

So what if you lost yours every time you went to sleep?

Your name, your identity, your past, even the people you love - all forgotten overnight.

Show more ▾



0 ratings | 0 reviews | avg rating: 0.0

[more photos \(1\)](#)

Goodreads Author

Born	The United Kingdom
Website	<a href="http://www.sjwatson-books.com">http://www.sjwatson-books.com</a>
Twitter	<a href="https://twitter.com/sj_watson">@sj_watson</a>
Genre	Mystery & Thrillers, Literature & Fiction
Member Since	November 2010

[edit data](#)

S J Watson was born in the UK, lives in London and worked in the NHS for a number of years.

In 2011 Watson's debut novel, *Before I Go To Sleep*, was released to critical acclaim. It has now been published in over 40 languages, and has become an international bestseller, winning numerous awards.

The movie of *Before I Go To Sleep*, starring Nicole Kidman, Colin Firth and Mark Strong, was released in 2014. *Second Life*, Watson's second book, is out now, and has already been a top ten bestseller.

S J Watson's new novel, *FINAL CUT*, is out in August 2020. [\(less\)](#)

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## Best Books To Download

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(Birth year data comes from google search)

## S. J. Watson

English writer

[Overview](#)

[Books](#)



Born

1971 (age 54 years), Stourbridge, United Kingdom

Movies ➔

Before I Go to... 2014

[sjwatson-books.com](http://sjwatson-books.com)

S J Watson - Official Website - Books, Events and More

JOIN THE COMMUNITY ... S J WATSON's first novel, *Before I Go To Sleep*, became a phenomenal international success and h...

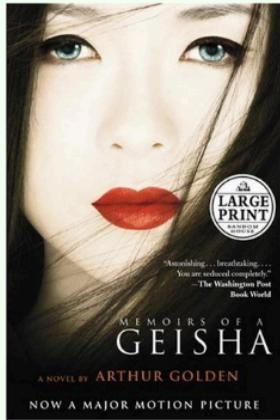
S J WATSON Facebook

Memory isn't a video recorder. It's a compost heap.

3 weeks ago

I also checked the source information, which all matches up with the data in my database, an extract was taken from the source for biography.

Trial 2: (Book: Memoirs of a Geisha)



**Memoirs of a Geisha**

Author: Arthur Golden

Genres: Historical, Romance, Classics

Year Published: 1997

127.0.0.1:5000/authors/8

127.0.0.1:5000/authors/8

## My Book Library

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Home Books Authors Genres Search... Search

### Arthur Golden



**Arthur Golden**

Biography: Arthur Sulzberger Golden is an American writer. He is the author of the bestselling novel *Memoirs of a Geisha* (1997).

Arthur Golden  
Birth year: 1956  
Nationality: USA

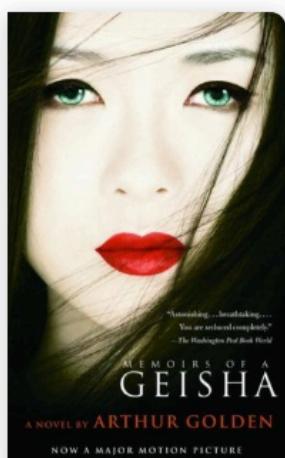
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All sources from Goodreads

Hover over the author link in the books detail page(image on the left), the url in the bottom left corner is /authors/8, when I click the link, it matches with the url of its author detail page(image on the right).

15	15   Memoirs of a Geisha	1997   A literary sensation and runaway bestseller, this brilliant novel presents with seamless authenticity and exquisit...	geisha.jpg	4.2	8
8	8   Arthur Golden	1956   USA	golden.jpg	Arthur Sulzberger Golden is an American writer. He is the author of the bestselling novel <i>Memoirs of a Geisha</i> ...	

Row 1: books table, Row 2: author table

I went through my books table in the database and found the line of id 15, which has a FK of author id of 8. Then I went through my authors table and found the line of id 8, the author is exactly Arthur Golden and all its data is correct.



# Memoirs of a Geisha

Arthur Golden

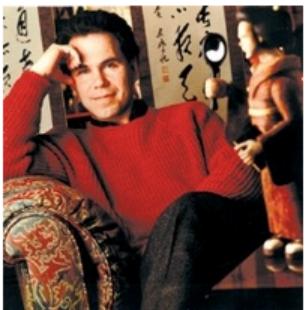
 4.16 2,090,856 ratings · 38,756 reviews

A literary sensation and runaway bestseller, this brilliant novel presents with seamless authenticity and exquisite lyricism the true confessions of one of Japan's most celebrated geisha.

In "Memoirs of a Geisha," we enter a world where appearances are paramount; where a girl's

Show more ▾

Genres [Fiction](#) [Historical Fiction](#) [Romance](#) [Classics](#) [Historical](#) [Japan](#) [Book Club](#) [...more](#)



## Arthur Golden

Born	in Chattanooga, Tennessee, The United States
	December 06, 1956
Genre	Literature & Fiction, Historical Fiction

[edit data](#)

Arthur Sulzberger Golden is an American writer. He is the author of the bestselling novel *Memoirs of a Geisha* (1997).

### ARTHUR GOLDEN'S BOOKS

[Combine Editions](#)

Average rating: 4.16 · 2,100,843 ratings · 38,834 reviews · 12 distinct works • [Similar authors](#)

I also checked the source information, which all matches up with the data in my database, an extract was taken from the source for biography.

### Purpose:

Check end to end data correctness (book detail pages linked to genre detail pages)

Trial 1: (Book: The Little Prince)

Part 1: (Genre: Classics)



### The Little Prince

Author: Antoine de Saint-Exupéry

Genres: [Classics](#), Fantasy

Year Published: 1943

[127.0.0.1:5000/genres/9](http://127.0.0.1:5000/genres/9)

My Book Library

Explore and discover your favorite books

Home Books Authors Genres Search... Search

**Classics**

Description: A classic stands the test of time. The work is usually considered to be a representation of the period in which it was written; and the work merits lasting recognition. In other words, if the book was published in the recent past, the work is not a classic. A classic has a certain universal appeal. Great works of literature touch us to our very core beings—partly because they integrate themes that are understood by readers from a wide range of backgrounds and levels of experience. Themes of love, hate, death, life, and faith touch upon some of our most basic emotional responses.

**Books in Classics**

1984 Year Published: 1984 Genres: Science Fiction, Classics Rating: 4.2	And Then There Were None Year Published: 1939 Genres: Mystery, Thriller Rating: 4.3	Dune Year Published: 1965 Genres: Science Fiction, Fantasy, Classics Rating: 4.3	Harry Potter and the Chamber of Secrets Year Published: 1998 Genres: Fantasy, Classics Rating: 4.4	Harry Potter and the Deathly Hallows Year Published: 2007 Genres: Fantasy, Classics Rating: 4.6	Harry Potter and the Order of the Phoenix Year Published: 2003 Genres: Fantasy, Classics Rating: 4.5
Harry Potter and the Prisoner of Azkaban Year Published: 1999 Genres: Fantasy, Classics Rating: 4.6	Harry Potter and the Sorcerer's Stone Year Published: 1997 Genres: Fantasy, Classics Rating: 4.5	Memoirs of a Geisha Year Published: 1997 Genres: Historical, Romance, Classics Rating: 4.2	Pride and Prejudice Year Published: 1813 Genres: Classics, Historical, Romance Rating: 4.3	The Hobbit Year Published: 1937 Genres: Fantasy, Classics Rating: 4.3	The Little Prince Year Published: 1943 Genres: Classics, Fantasy Rating: 4.3
To Kill a Mockingbird Year Published: 1960 Genres: Historical, Classics Rating: 4.3					

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All sources from Goodreads

Hover over the genre(classics) link in the books detail page(image on the left), the url in the bottom left corner is

/genres/9, when I click the link, it matches with the url of its genre detail page(image on the right).

16	16   The Little Prince	1943   A pilot stranded in the desert awakes one morning to see, standing before him, the most extraordinary little ...	prince.jpg	4.3	9
16	16	9			
9	9   Classics	A classic stands the test of time. The work is usually considered to be a representation of the period in which it ...			

Row 1: books table, Row 2: books\_genre table, Row 3: genre table

I went through my books table in the database and found the line of id 16. Then I went through my books\_genre table and found the line of id 9, the genre is exactly classics and all its data is correct. The books presented in the detail page are also correct.

(For checking whether if books presented are correct or not in classics, see testing(genre pages to genre detail pages) above)



## The Little Prince

Antoine de Saint-Exupéry, Richard Howard (Translator)

★★★★★ 4.33 2,403,244 ratings · 81,907 reviews

A pilot stranded in the desert awakes one morning to see, standing before him, the most extraordinary little fellow. "Please," asks the stranger, "draw me a sheep." And the pilot realizes that when life's events are too difficult to understand, there is no choice but to succumb to their mysteries. He pulls out pencil and paper... And thus begins this wise and enchanting fable that, in teaching the secret of what is really important in life, has changed forever the

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Genres [Genres](#) [Classics](#) [Fiction](#) [Fantasy](#) [Childrens](#) [France](#) [Philosophy](#) [Young Adult](#) [...more](#)

Want to Read

## Classics

A classic stands the test of time. The work is usually considered to be a representation of the period in which it was written; and the work merits lasting recognition. In other words, if the book was published in the recent past, the work is not a classic.

A classic has a certain universal appeal. Great works of literature touch us to our very core beings-- partly because they integrate themes that are understood by readers from a wide range of backgrounds and levels of experience. Themes of love, hate, death, life, and faith touch upon some of our most basic emotional responses.

Although the term is often associated with the Western canon, it can be applied to works of literature from all traditions, such as the Chinese classics or the Indian Vedas.

**Disambiguation:** The study of ancient ("classical") civilisations and languages, see [Classical studies](#).  
[\(less\)](#)

I also checked the source information, which all matches up with the data in my database, an extract was taken from the source for description.

## Part 2: (Genre: Fantasy)



**Fantasy**

Description: Fantasy is a genre that uses magic and other supernatural forms as a primary element of plot, theme, and/or setting. Fantasy is generally distinguished from science fiction and horror by the expectation that it steers clear of technological and macabre themes, respectively, though there is a great deal of overlap between the three (collectively known as speculative fiction or science fiction/fantasy). In its broadest sense, fantasy comprises works by many writers, artists, filmmakers, and musicians, from ancient myths and legends to many recent works embraced by a wide audience today, including young adults, most of whom are represented by the works below.

**Books in Fantasy**

Catching Fire Year Published: 2009 Genres: Dystopia, Fantasy, Science Fiction, Romance Rating: 4.4	Dune Year Published: 1965 Genres: Science Fiction, Fantasy, Classics Rating: 4.3	Harry Potter and the Chamber of Secrets Year Published: 1998 Genres: Fantasy, Classics Rating: 4.4	Harry Potter and the Deathly Hallows Year Published: 2007 Genres: Fantasy, Classics Rating: 4.6	Harry Potter and the Goblet of Fire Year Published: 2000 Genres: Fantasy, Classics Rating: 4.6	Harry Potter and the Order of the Phoenix Year Published: 2003 Genres: Fantasy, Classics Rating: 4.5	Harry Potter and the Prisoner of Azkaban Year Published: 1999 Genres: Fantasy, Classics Rating: 4.6
Harry Potter and the Sorcerer's Stone Year Published: 1997 Genres: Fantasy, Classics Rating: 4.5	Mockingjay Year Published: 2010 Genres: Dystopia, Fantasy, Science Fiction Rating: 4.1	Summer of Night Year Published: 1991 Genres: Horror, Mystery, Thriller, Fantasy Rating: 4.1	The Hobbit Year Published: 1937 Genres: Fantasy, Classics Rating: 4.3	The Hunger Games Year Published: 2008 Genres: Dystopia, Fantasy, Romance, Science Fiction Rating: 4.4	The Little Prince Year Published: 1943 Genres: Classics, Fantasy Rating: 4.3	

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All sources from Goodreads

Hover over the genre(fantasy) link in the books detail page(image on the left), the url in the bottom left corner is /genres/6, when I click the link, it matches with the url of its genre detail page(image on the right).

46	16	6
6	6	Fantasy is a genre that uses magic and other supernatural forms as a primary element of plot, theme, and/or ...
1	id	name
3	Catching Fire	photo fire.jpg
2	27	Dune
3	9	Harry Potter and the Chamber of Secrets
4	7	Harry Potter and the Deathly Hallows
5	13	Harry Potter and the Goblet of Fire
6	6	Harry Potter and the Order of the Phoenix
7	8	Harry Potter and the Prisoner of Azkaban
8	1	Harry Potter and the Sorcerer's Stone
9	4	Mockingjay
10	24	Summer of Night
11	14	The Hobbit
12	2	The Hunger Games
13	16	The Little Prince
		photo prince.jpg
		year published
		2009
		2009
		1998
		2007
		2000
		2003
		1999
		1997
		2010
		1991
		1937
		2008
		1943
		rating
		4.4
		4.3
		4.4
		4.6
		4.6
		4.5
		4.6
		4.5
		4.1
		4.1
		4.3
		4.4
		4.3
		genres
		Dystopia, Fantasy, Science Fiction, Romance
		Science Fiction, Fantasy, Classics
		Fantasy, Classics
		Fantasy, Classics
		Fantasy, Classics
		Fantasy, Classics
		Fantasy, Classics
		Dystopia, Fantasy, Science Fiction
		Horror, Mystery, Thriller, Fantasy
		Fantasy, Classics
		Dystopia, Fantasy, Romance, Science Fiction
		Classics, Fantasy

image 1: books\_genre table, image 2: genre table, image 3: every book that has a genre of fantasy  
I went through my books\_genre table and found the line of id 6, the genre is exactly fantasy and all its data is correct.

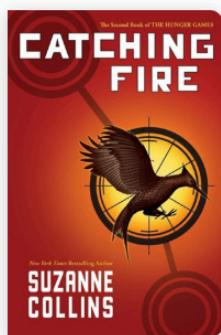
The books presented in the detail page are also correct.

## Fantasy

Fantasy is a genre that uses magic and other supernatural forms as a primary element of plot, theme, and/or setting. Fantasy is generally distinguished from [science fiction](#) and [horror](#) by the expectation that it steers clear of technological and macabre themes, respectively, though there is a great deal of overlap between the three (collectively known as [speculative fiction](#) or [science fiction/fantasy](#))

In its broadest sense, fantasy comprises works by many writers, artists, filmmakers, and musicians, from ancient myths and legends to many recent works embraced by a wide audience today, including young adults, most of whom are represented by the works below. ([less](#))

(Pick two books as examples to prove data correctness, one is The Little prince(above))



*The Hunger Games #2*

### Catching Fire

Suzanne Collins

★★★★★ 4.35 4,053,889 ratings · 148,715 reviews

Sparks are igniting.  
Flames are spreading.  
And the Capitol wants revenge.

Against all odds, Katniss Everdeen has won the Hunger Games. She and fellow District 12

Show more ▾

Genres [Young Adult](#) [Dystopia](#) [Fiction](#) [Fantasy](#) [Science Fiction](#) [Romance](#) [Adventure](#) [Audiobook](#) [Teen](#)

[Post Apocalyptic](#) [...show all](#)

391 pages, Hardcover

First published September 1, 2009

Want to Read

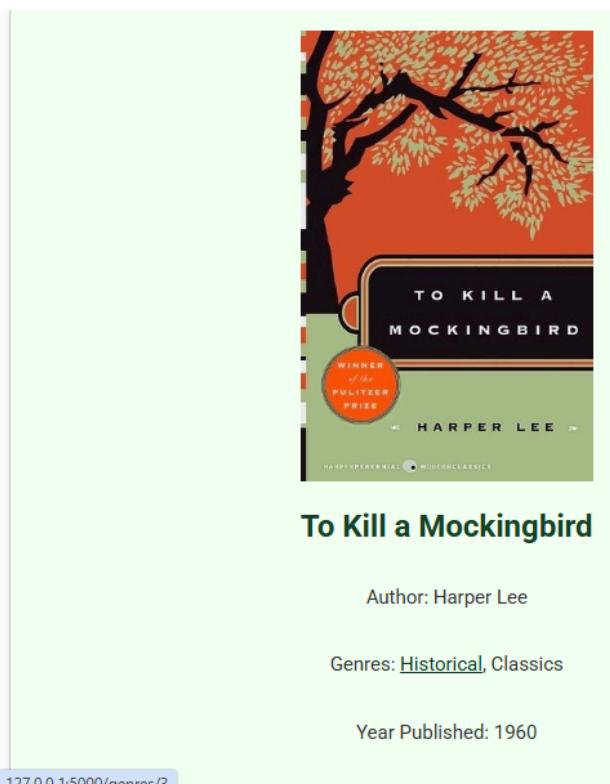
Shop this series ↗



I also checked the source information, which all matches up with the data in my database, an extract was taken from the source for description.

Trial 2: (To Kill a Mockingbird)

Part 1: (Genre: Historical)



127.0.0.1:5000/genres/3

## My Book Library

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### Historical

Description: Historical fiction presents a story set in the past, often during a significant time period. In historical fiction, the time period is an important part of the setting and often of the story itself. Historical fiction may include fictional characters, well-known historical figures or a mixture of the two. Authors of historical fiction usually pay close attention to the details of their stories (settings, clothing, dialogue, etc.) to ensure that they fit the time periods in which the narratives take place. In some historical fiction, famous events appear from points of view not recorded in history, showing historical figures dealing with actual events while depicting them in a way that is not recorded in history. Other times, the historical event or time period complements a story's narrative, forming a framework and background for the characters' lives. Sometimes, historical fiction can be for the most part true, but the names of people and places have been in some way altered.

#### Books in Historical

<a href="#">Memoirs of a Geisha</a>	<a href="#">Pride and Prejudice</a>	<a href="#">To Kill a Mockingbird</a>
Year Published: 1997 Genres: Historical, Romance, Classics Rating: 4.2	Year Published: 1813 Genres: Classics, Historical, Romance Rating: 4.3	Year Published: 1960 Genres: Historical, Classics Rating: 4.3

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All sources from [Goodreads](#)

Hover over the genre(historical) link in the books detail page(image on the left), the url in the bottom left corner is /genres/3, when I click the link, it matches with the url of its genre detail page(image on the right).

5	5	To Kill a Mockingbird	1960	"Shoot all the bluejays you want, if you can hit 'em, but remember it's a sin to kill a mockingbird..."	bird.jpg	4.3	3
5	5	3					
3	3	Historical	Historical fiction presents a story set in the past, often during a significant time period. In historical fiction, the ...				

id	name	photo	year published	rating	genres
1	15 Memoirs of a Geisha	geisha.jpg	1997	4.2	Historical, Romance, Classics
2	12 Pride and Prejudice	prejudice.jpg	1813	4.3	Classics, Historical, Romance
3	5 To Kill a Mockingbird	bird.jpg	1960	4.3	Historical, Classics

Image 1: books table, image 2: books\_genre table, image 3: genre table, image 4: every book that has a genre of historical

I went through my books table in the database and found the line of id 5. Then I went through my books\_genre table and found the line of id 3, the genre is exactly historical and all its data is correct. The books presented in the detail page are also correct.

# Historical

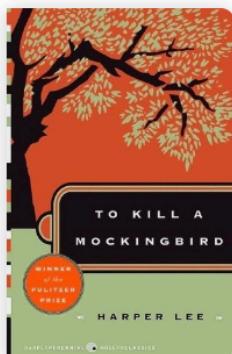
Historical fiction presents a story set in the past, often during a significant time period. In historical fiction, the time period is an important part of the setting and often of the story itself.

Historical fiction may include fictional characters, well-known historical figures or a mixture of the two. Authors of historical fiction usually pay close attention to the details of their stories (settings, clothing, dialogue, etc.) to ensure that they fit the time periods in which the narratives take place.

In some historical fiction, famous events appear from points of view not recorded in history, showing historical figures dealing with actual events while depicting them in a way that is not recorded in history. Other times, the historical event or time period complements a story's narrative, forming a framework and background for the characters' lives. Sometimes, historical fiction can be for the most part true, but the names of people and places have been in some way altered.

As this is fiction, artistic license is permitted in regard to presentation and subject matter, so long as it does not deviate in significant ways from established history. If events should deviate significantly, the story may then fall into the genre of [alternate history](#), which is known for speculating on what could have happened if a significant historical event had gone differently. On a similar note, events occurring in historical fiction must adhere to the laws of physics. Stories that extend into the magical or fantastic are often considered [historical romance](#). [\(less\)](#)

(Pick two books as examples to prove data correctness)



To Kill a Mockingbird #1  
**To Kill a Mockingbird**

Harper Lee

★★★★★ 4.26 6,742,084 ratings · 129,578 reviews

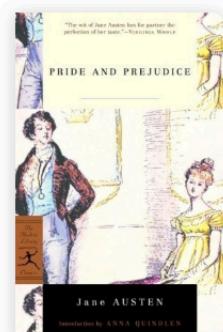
"Shoot all the bluejays you want, if you can hit 'em, but remember it's a sin to kill a mockingbird."

A lawyer's advice to his children as he defends the real mockingbird of Harper Lee's classic novel - a black man charged with the rape of a white girl. Through the young eyes of Scout

Show more ▾

Want to Read

Genres Classics Fiction Historical Fiction School Literature Young Adult Historical ...more



**Pride and Prejudice**

Jane Austen, Anna Quindlen (Introduction)

★★★★★ 4.29 4,679,830 ratings · 139,782 reviews

Since its immediate success in 1813, *Pride and Prejudice* has remained one of the most popular novels in the English language. Jane Austen called this brilliant work "her own darling child" and its vivacious heroine, Elizabeth Bennet, "as delightful a creature as ever appeared in print." The romantic clash between the opinionated Elizabeth and her proud beau, Mr. Darcy, is a splendid performance of civilized sparring. And Jane Austen's radiant wit sparkles as her characters dance a delicate quadrille of flirtation and intrigue, making this book the most superb comedy of manners of Regency England.

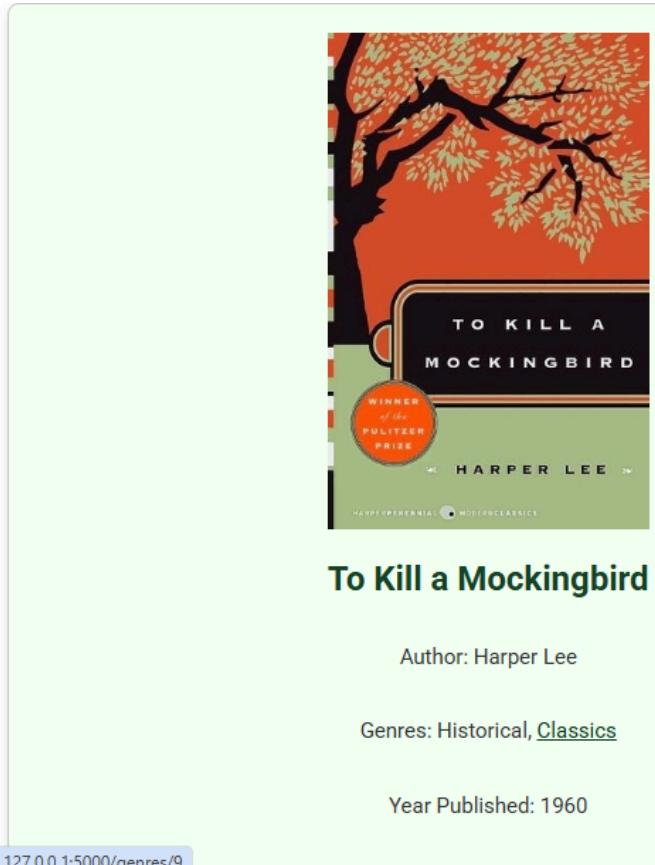
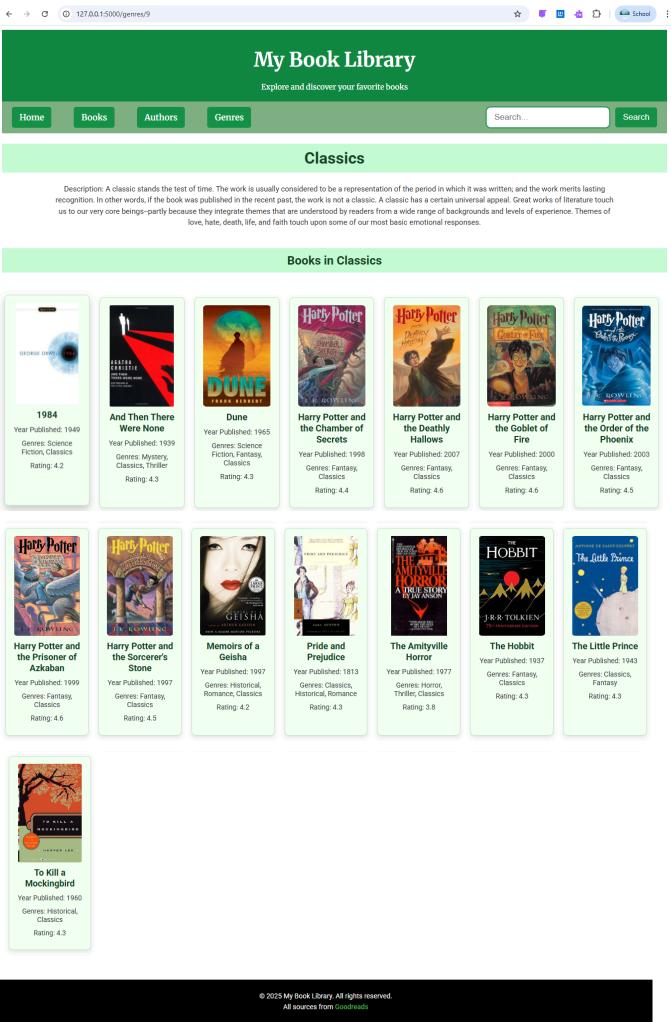
Alternate cover edition of ISBN 9780679783268

Want to Read

Genres Classics Romance Fiction Historical Fiction Historical Literature Audiobook ...more

I also checked the source information, which all matches up with the data in my database, an extract was taken from the source for description.

## Part 2: (Genre: classics)

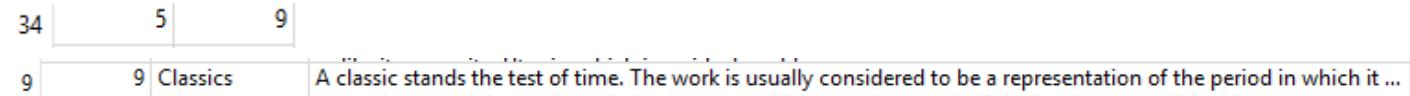



Description: A classic stands the test of time. The work is usually considered to be a representation of the period in which it was written, and the work merits lasting recognition. In other words, if the book was published in the recent past, the work is not a classic. A classic has a certain universal appeal. Great works of literature touch us to our very core beings—partly because they integrate themes that are understood by readers from a wide range of backgrounds and levels of experience. Themes of love, hate, death, life, and faith touch upon some of our most basic emotional responses.

Books in Classics						
<b>1984</b> Year Published: 1949 Genres: Science Fiction, Classics Rating: 4.2	<b>And Then There Were None</b> Year Published: 1939 Genres: Mystery, Classics, Thriller Rating: 4.3	<b>Dune</b> Year Published: 1965 Genres: Science Fiction, Fantasy, Classics Rating: 4.3	<b>Harry Potter and the Chamber of Secrets</b> Year Published: 1998 Genres: Fantasy, Classics Rating: 4.4	<b>Harry Potter and the Deathly Hallows</b> Year Published: 2007 Genres: Fantasy, Classics Rating: 4.6	<b>Harry Potter and the Goblet of Fire</b> Year Published: 2000 Genres: Fantasy, Classics Rating: 4.6	<b>Harry Potter and the Order of the Phoenix</b> Year Published: 2003 Genres: Fantasy, Classics Rating: 4.5
<b>Harry Potter and the Prisoner of Azkaban</b> Year Published: 1999 Genres: Fantasy, Classics Rating: 4.6	<b>Harry Potter and the Sorcerer's Stone</b> Year Published: 1997 Genres: Fantasy, Classics Rating: 4.5	<b>Memoirs of a Geisha</b> Year Published: 1997 Genres: Historical, Classics Rating: 4.2	<b>Pride and Prejudice</b> Year Published: 1813 Genres: Classics, Historical, Romance Rating: 4.3	<b>The Amityville Horror</b> Year Published: 1977 Genres: Horror, Thriller, Classics Rating: 3.8	<b>The Hobbit</b> Year Published: 1937 Genres: Fantasy, Classics Rating: 4.3	<b>The Little Prince</b> Year Published: 1943 Genres: Classics, Fantasy Rating: 4.3
<b>To Kill a Mockingbird</b> Year Published: 1960 Genres: Historical, Classics Rating: 4.3						

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All sources from Goodreads

Hover over the genre(classics) link in the books detail page(image on the left), the url in the bottom left corner is /genres/9, when I click the link, it matches with the url of its genre detail page(image on the right).



Row 1: books\_genre table, Row 2: genre table

I went through my books\_genre table and found the line of id 9, the genre is exactly classics and all its data is correct. The books presented in the detail page are also correct.

(For checking whether if books presented are correct or not in classics, see testing(genre pages to genre detail pages) above)

(See To Kill a Mockingbird Source page above)

# Classics

A classic stands the test of time. The work is usually considered to be a representation of the period in which it was written; and the work merits lasting recognition. In other words, if the book was published in the recent past, the work is not a classic.

A classic has a certain universal appeal. Great works of literature touch us to our very core beings-- partly because they integrate themes that are understood by readers from a wide range of backgrounds and levels of experience. Themes of love, hate, death, life, and faith touch upon some of our most basic emotional responses.

Although the term is often associated with the Western canon, it can be applied to works of literature from all traditions, such as the Chinese classics or the Indian Vedas.

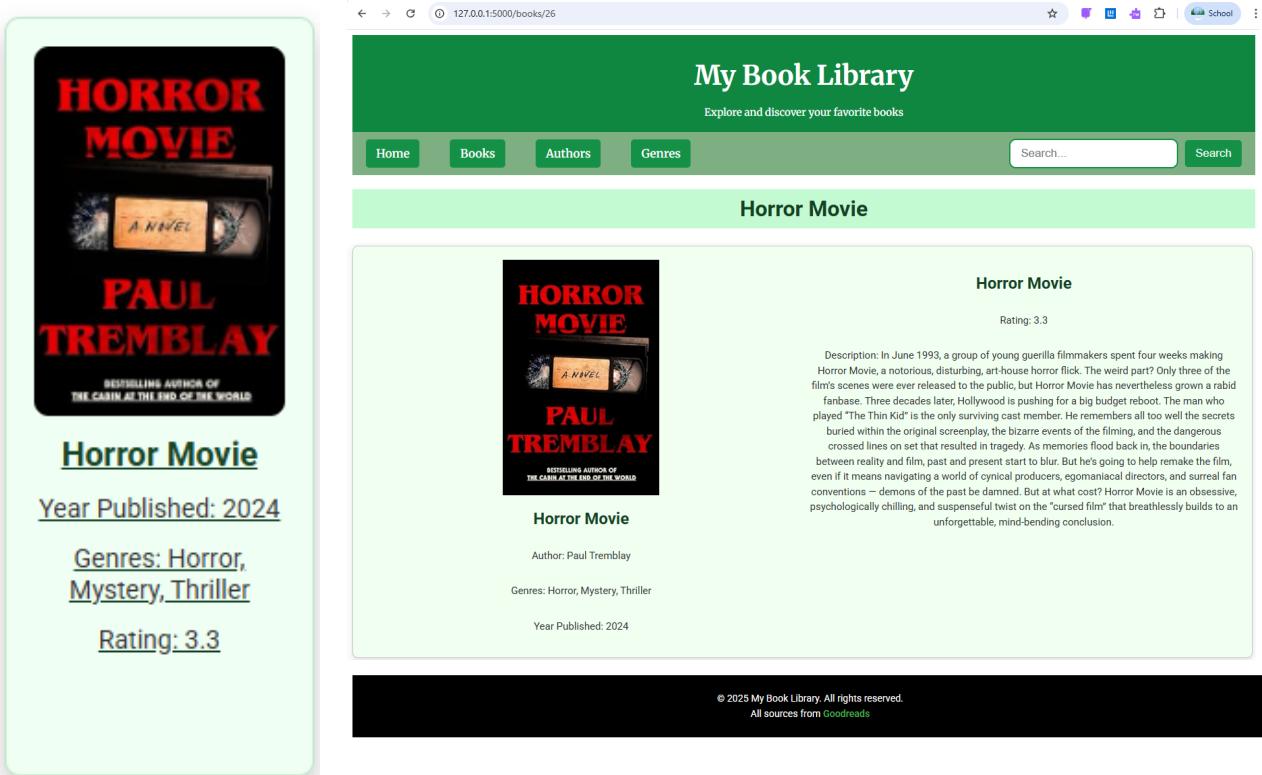
**Disambiguation:** The study of ancient ("classical") civilisations and languages, see [Classical studies](#).  
[\(less\)](#)

I also checked the source information, which all matches up with the data in my database, an extract was taken from the source for description.

Purpose:

Check end to end data correctness (book cards from genre detail pages linked to book detail pages)

Trial 1: (Genre: Horror, Book: Horror Movie)



The screenshot shows a web browser window with two tabs open. The left tab displays a book detail page for 'Horror Movie' by Paul Tremblay. The right tab displays a 'My Book Library' page for the same book. Both pages show the same book cover, title, author, and a brief description.

**Left Tab (Book Detail Page):**

- Cover:** Horror Movie by Paul Tremblay
- Title:** Horror Movie
- Author:** PAUL TREMBLAY
- Text:** RESTSELLING AUTHOR OF THE CABIN AT THE END OF THE WORLD
- Links:**
  - Horror Movie
  - Year Published: 2024
  - Genres: Horror, Mystery, Thriller
  - Rating: 3.3

**Right Tab (My Book Library):**

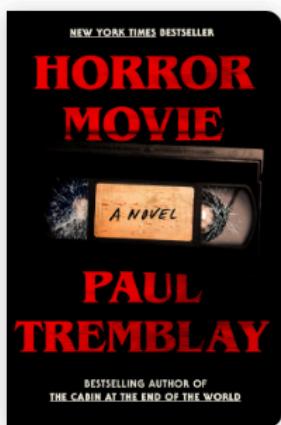
- Header:** My Book Library
- Sub-Header:** Explore and discover your favorite books
- Navigation:** Home, Books, Authors, Genres, Search (with input field and button)
- Section:** Horror Movie
- Book Card:**
  - Cover:** Horror Movie by Paul Tremblay
  - Title:** Horror Movie
  - Rating:** 3.3
  - Description:** In June 1993, a group of young guerilla filmmakers spent four weeks making Horror Movie, a notorious, disturbing, art-house horror flick. The weird part? Only three of the film's scenes were ever released to the public, but Horror Movie has nevertheless grown a rabid fanbase. Three decades later, Hollywood is pushing for a big budget reboot. The man who played "The Thin Kid" is the only surviving cast member. He remembers all too well the secrets buried within the original screenplay, the bizarre events of the filming, and the dangerous crossed lines on set that resulted in tragedy. As memories flood back in, the boundaries between reality and film, past and present start to blur. But he's going to help remake the film, even if it means navigating a world of cynical producers, egomaniacal directors, and surreal fan conventions – demons of the past be damned. But at what cost? Horror Movie is an obsessive, psychologically chilling, and suspenseful twist on the "cursed film" that breathlessly builds to an unforgettable, mind-bending conclusion.

Hover over the book card in the genre detail(horror) page(image on the left), the url in the bottom left corner is /books/26, when I click the card(link), it matches with the url of its book detail page(image on the right).

26	26 Horror Movie	2024	In June 1993, a group of young guerilla filmmakers spent four weeks making Horror Movie, a notorious, ...	movie.jpg	3.3	19
19	19 Paul Tremblay	1971 USA	tremblay.jpg	Paul Tremblay has won the Bram Stoker, British Fantasy, the Sheridan Le Fanu, and Massachusetts Book awards...		
26	26	5	60	26	4	59
1	1 Mystery	The mystery genre is a genre of fiction that follows a crime (like a murder or a disappearance) from the mome...				
4	4 Thriller	Thrillers are characterized by fast pacing, frequent action, and resourceful heroes who must thwart the plans of...				
5	5 Horror	Horror fiction is fiction in any medium intended to scare, unsettle, or horrify the audience. Historically, the cau...				

Row 1: books table, Row 2: author table, Row 3: books\_genre table, Row 4/5/6: genre table

I went through my books table in the database and found the line of id 26, the book is exactly Horror Movie and all of its data is correct, including FKs of author and genre.



## Horror Movie

Paul Tremblay

3.29 40,761 ratings · 7,828 reviews

A chilling twist on the “cursed film” genre from the bestselling author of *The Pallbearers Club* and *The Cabin at the End of the World*.

In June 1993, a group of young guerilla filmmakers spent four weeks making Horror Movie, a notorious, disturbing, art-house horror flick.

Show more ▾

Genres [Horror](#) [Fiction](#) [Audiobook](#) [Thriller](#) [Mystery](#) [Adult](#) [Contemporary](#) [...more](#)

277 pages, Hardcover

First published June 10, 2024

I also checked the source information, which all matches up with the data in my database, rating is rounded to 1 decimal place(4.0 as 4), several genres valid to the book are chosen from the source(mystery, thriller, horror).

Trial 2: (Genre: Thriller, Book: A Time to Kill)

**A Time to Kill**

Year Published: 1989

Genres: Thriller, Mystery

Rating: 4.1

127.0.0.1:5000/books/21

127.0.0.1:5000/books/21

## My Book Library

Explore and discover your favorite books

Home Books Authors Genres Search... Search

### A Time to Kill

**A Time to Kill**

**A Time to Kill**

Rating: 4.1

Description: Before The Firm and The Pelican Brief made him a superstar, John Grisham wrote this riveting story of retribution and justice. In this searing courtroom drama, best-selling author John Grisham probes the savage depths of racial violence, as he delivers a compelling tale of uncertain justice in a small southern town, Clanton, Mississippi. The life of a ten-year-old girl is shattered by two drunken and remorseless young men. The mostly white town reacts with shock and horror at the inhuman crime. That is, until her black father acquires an assault rifle and takes matters into his hands. For ten days, as burning crosses and the crack of sniper fire spread through the streets of Clanton, the nation sits spellbound as young defense attorney Jake Brigance struggles to save his client's life, and then his own.

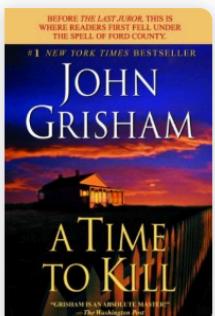
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All sources from Goodreads

Hover over the book card in the genre detail(thriller) page(image on the left), the url in the bottom left corner is /books/21, when I click the card(link), it matches with the url of its book detail page(image on the right).

21	21   A Time to Kill	1989   Before The Firm and The Pelican Brief made him a superstar, John Grisham wrote this riveting story of retributi...	kill.jpg	4.1	14
14	14   John Grisham	1955 USA grisham.jpg	John Grisham is the author of more than fifty consecutive #1 bestsellers, which have been translated into near...		
52	21	1	21	4	
1	1   Mystery	The mystery genre is a genre of fiction that follows a crime (like a murder or a disappearance) from the mome...			
4	4   Thriller	Thrillers are characterized by fast pacing, frequent action, and resourceful heroes who must thwart the plans of...			

Row 1: books table, Row 2: author table, Row 3: books\_genre table, Row 4/5: genre table

I went through my books table in the database and found the line of id 21, the book is exactly A Time to Kill and all of its data is correct, including FKs of author and genre.



## Jake Brigance #1 A Time to Kill

John Grisham

4.12 822,094 ratings · 7,733 reviews

This is an alternate cover edition for ISBN [9780385338608](#)

Before The Firm and The Pelican Brief made him a superstar, John Grisham wrote this riveting story of retribution and justice. In this searing courtroom drama, best-selling author John Grisham probes the savage depths of racial violence, as he delivers a compelling tale of

Show more ▾

Genres [Fiction](#) [Thriller](#) [Mystery](#) [Crime](#) [Suspense](#) [Legal Thriller](#) [Mystery Thriller](#) [...more](#)

738 pages, Mass Market Paperback

First published January 1, 1989

I also checked the source information, which all matches up with the data in my database, rating is rounded to 1 decimal place(4.0 as 4), several genres valid to the book are chosen from the source(mystery, thriller).

Purpose:

Check end to end data correctness (search page to book/author/genre detail pages - if there is any)

Trial 1: (Search input: "dune")

Part 1: Books section - only dune is fetched

```
1 SELECT books.id, books.name, books.photo, books.year_published,
2 books.rating, GROUP_CONCAT(genre.name, ', ') AS genres
3 FROM books
4 JOIN books_genre ON books.id = books_genre.book_id
5 JOIN genre ON books_genre.genre_id = genre.id
6 WHERE books.name LIKE '%dune%' OR CAST(books.year_published AS TEXT) LIKE '%dune%'
7 GROUP BY books.id
8 ORDER BY books.name;
9
```

Grid view   Form view

Total rows loaded: 1

	id	name	photo	year_published	rating	genres
1	27	Dune	dune.jpg	1965	4.3	Science Fiction, Fantasy, Classics



127.0.0.1:5000/books/27

## My Book Library

Explore and discover your favorite books

Home Books Authors Genres Search... Search

### Dune

**Dune**  
Rating: 4.3  
Description: Set on the desert planet Arrakis, Dune is the story of the boy Paul Atreides, heir to a noble family tasked with ruling an inhospitable world where the only thing of value is the "spice" melange, a drug capable of extending life and enhancing consciousness. Coveted across the known universe, melange is a prize worth killing for...

Author: Frank Herbert  
Genres: Science Fiction, Fantasy, Classics  
Year Published: 1965

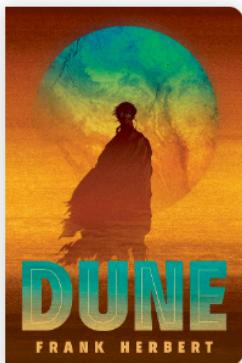
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All sources from Goodreads

Hover over the book card in the search page(image on the left), the url in the bottom left corner is /books/27, when I click the card(link), it matches with the url of its book detail page(image on the right).

27	27   Dune	1965   Set on the desert planet Arrakis, Dune is the story of the boy Paul Atreides, heir to a noble family tasked with ...   dune.jpg	4.3   20
20	20   Frank Herbert	1920 USA   herbert.jpg	Franklin Patrick Herbert Jr. was an American science fiction author best known for the 1965 novel Dune and its ...
27	27   2   61   27   6   62   27   9		
2	2   Science Fiction	Science fiction (abbreviated SF or sci-fi with varying punctuation and capitalization) is a broad genre of fiction ...	
6	6   Fantasy	Fantasy is a genre that uses magic and other supernatural forms as a primary element of plot, theme, and/or ...	
9	9   Classics	A classic stands the test of time. The work is usually considered to be a representation of the period in which it ...	

Row 1: books table, Row 2: author table, Row 3: books\_genre table, Row 4/5/6: genre table

I went through my books table in the database and found the line of id 27, the book is exactly Dune and all of its data is correct, including FKs of author and genre.



Dune #1

# Dune

Frank Herbert

★★★★★ 4.29 1,587,565 ratings · 80,581 reviews

Set on the desert planet Arrakis, Dune is the story of the boy Paul Atreides, heir to a noble family tasked with ruling an inhospitable world where the only thing of value is the "spice" melange, a drug capable of extending life and enhancing consciousness. Coveted across the known universe, melange is a prize worth killing for...

Show more ▾

Want to Read

Genres Science Fiction Fiction Fantasy Classics Audiobook Science Fiction Fantasy Space Opera ...more

I also checked the source information, which all matches up with the data in my database, rating is rounded to 1 decimal place(4.0 as 4), several genres valid to the book are chosen from the source(science fiction, fantasy, classics).

Part 2: Authors section - no authors are fetched

```
1 SELECT id, name, birth_year, nationality, photo, biography
2 FROM author
3 WHERE author.name LIKE '%dune%' OR CAST(author.birth_year AS TEXT) LIKE '%dune%'
4 ORDER BY name;
```

Grid view						
Form view						
<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <span>Total rows loaded: 0</span>						
id	name	birth_year	nationality	photo	biography	

## Authors

No authors found for "dune".

From the authors query in the search route, there is no author's name or birth year that matches with the input. This result is confirmed/matches up with the web page reply.

Part 3: Genres section - no genres are fetched

```
1 SELECT id, name, description
2 FROM genre
3 WHERE genre.name LIKE '%dune%' OR genre.description LIKE '%dune%'
4 ORDER BY name
5
```

## Grid view

## Form view

四

<u>id</u>	<u>name</u>	<u>description</u>
-----------	-------------	--------------------

## Genres

No genres found for "dune".

From the genres query in the search route, there is no genre's name or description that matches with the input. This result is confirmed/matches up with the web page reply.

### Trial 2: (Search input: 'green')

Part 1: Books section - no books are fetched

```
1 SELECT books.id, books.name, books.photo, books.year_published,
2 books.rating, GROUP_CONCAT(genre.name, ', ') AS genres
3 FROM books
4 JOIN books_genre ON books.id = books_genre.book_id
5 JOIN genre ON books_genre.genre_id = genre.id
6 WHERE books.name LIKE '%green%' OR CAST(books.year_published AS TEXT) LIKE '%green%'
7 GROUP BY books.id
8 ORDER BY books.name;
```

## Grid view

## Form view

2

	name	photo	year published	rating	genres
--	------	-------	----------------	--------	--------

## Books

No books found for "green"

From the books query in the search route, there is no book's name or year published that matches with the input. This result is confirmed/matches up with the web page reply.

Part 2: Authors section - Only John Green is fetched

```

1 SELECT id, name, birth_year, nationality, photo, biography
2 FROM author
3 WHERE author.name LIKE '%green%' OR CAST(author.birth_year AS TEXT) LIKE '%green%'
4 ORDER BY name;

```

Grid view Form view

Total rows loaded: 1

	id	name	birth_year	nationality	photo	biography
1	4	John Green	1977	US	green.jpg	John Green's first novel, Looking for Alaska, won the 2006 Michael L. Printz Award presented by the American ...



**John Green**

Birth Year: 1977

Nationality: US

127.0.0.1:5000/authors/4

## My Book Library

Explore and discover your favorite books

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### John Green



**John Green**

Birth year: 1977

Nationality: US

**John Green**

Biography: John Green's first novel, Looking for Alaska, won the 2006 Michael L. Printz Award presented by the American Library Association. His second novel, An Abundance of Katherines, was a 2007 Michael L. Printz Award Honor Book and a finalist for the Los Angeles Times Book Prize. His next novel, Paper Towns, is a New York Times bestseller and won the Edgar Allan Poe Award for Best YA Mystery. In January 2012, his most recent novel, The Fault in Our Stars, was met with wide critical acclaim, unprecedented in Green's career. The praise included rave reviews in Time Magazine and The New York Times, on NPR, and from award-winning author Markus Zusak. The book also topped the New York Times Children's Paperback Bestseller list for several weeks. Green has also coauthored a book with David Levithan called Will Grayson, Will Grayson, published in 2010. The film rights for all his books, with the exception of Will Grayson Will Grayson, have been optioned to major Hollywood Studios.

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All sources from Goodreads

Hover over the author card in the search page(image on the left), the url in the bottom left corner is /authors/4, when I click the card(link), it matches with the url of its author detail page(image on the right).

4 | 4 | John Green | 1977 | US | green.jpg | John Green's first novel, Looking for Alaska, won the 2006 Michael L. Printz Award presented by the American ...

I went through my author table in the database and found the line of id 4, the author is exactly John Green and all of its data is correct.



0 ratings | 0 reviews | avg rating: 0.0

[more photos \(1\)](#)

#7 most followed

JOHN GREEN'S FOLLOWERS (313,443)



VIDEOS

[Add New](#)

(Birth year data comes from google search)

[John Green](#) › Date of birth :

24 August 1977

Image: Cooper Neill



I also checked the source information, which all matches up with the data in my database, an extract was taken from the source for biography.

Part 3: Genres section - No genres are fetched

```

1 SELECT id, name, description
2 FROM genre
3 WHERE genre.name LIKE '%green%' OR genre.description LIKE '%green%'
4 ORDER BY name
5

```

Grid view			Form view		
					1
Total rows loaded: 0					
id   name   description					

### Genres

No genres found for "green".

From the genres query in the search route, there is no genre's name or description that matches with the input. This result is confirmed/matches up with the web page reply.

Trial 3: (Search input: 'thriller')

Part 1: Books section - No books are fetched

```

1 SELECT books.id, books.name, books.photo, books.year_published,
2 books.rating, GROUP_CONCAT(genre.name, ', ') AS genres
3 FROM books
4 JOIN books_genre ON books.id = books_genre.book_id
5 JOIN genre ON books_genre.genre_id = genre.id
6 WHERE books.name LIKE '%thriller%' OR CAST(books.year_published AS TEXT) LIKE '%thriller%'
7 GROUP BY books.id
8 ORDER BY books.name;

```

Grid view			Form view		
					1
Total rows loaded: 0					
id   name   photo   year_publish   rating   genres					

### Books

No books found for "thriller".

From the books query in the search route, there is no book's name or year published that matches with the input. This result is confirmed/matches up with the web page reply.

Part 2: Authors section - no authors are fetched

```

1 SELECT id, name, birth_year, nationality, photo, biography
2 FROM author
3 WHERE author.name LIKE '%thriller%' OR CAST(author.birth_year AS TEXT) LIKE '%thriller%'
4 ORDER BY name;

```

Grid view Form view

1 Total rows loaded: 0

id	name	birth_year	nationality	photo	biography

## Authors

No authors found for "thriller".

From the authors query in the search route, there is no author's name or birth year that matches with the input. This result is confirmed/matches up with the web page reply.

Part 3: Genres section - Only Thriller is fetched

```

1 SELECT id, name, description
2 FROM genre
3 WHERE genre.name LIKE '%thriller%' OR genre.description LIKE '%thriller%'
4 ORDER BY name
5

```

Grid view Form view

1 Total rows loaded: 1

id	name	description
1	4 Thriller	Thrillers are characterized by fast pacing, frequent action, and resourceful heroes who must thwart the plans of...

127.0.0.1:5000/genres/4



The screenshot shows the 'My Book Library' website with the 'Genres' tab selected. The 'Thriller' genre page is displayed, featuring a detailed description of the genre, a list of books categorized under 'Books in Thriller', and a footer with copyright information.

id	name	photo	year_publish	rating	genres
1	21 A Time to Kill	kill.jpg	1989	4.1	Thriller, Mystery
2	18 And Then There Were None	none.jpg	1939	4.3	Mystery, Classics, Thriller
3	19 Angels & Demons	demons.jpg	2000	4	Mystery, Thriller
4	22 Before I Go to Sleep	sleep.jpg	2011	3.9	Thriller, Mystery
5	26 Horror Movie	movie.jpg	2024	3.3	Horror, Mystery, Thriller
6	20 Sharp Objects	objects.jpg	2006	4	Thriller, Mystery
7	24 Summer of Night	night.jpg	1991	4.1	Horror, Mystery, Thriller, Fantasy
8	25 The Amityville Horror	horror.jpg	1977	3.8	Horror, Thriller, Classics
9	17 The Girl With the Dragon Tattoo	tattoo.jpg	2005	4.2	Mystery, Thriller

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All sources from Goodreads

Hover over the genre card in the search page(image on the left), the url in the bottom left corner is /genres/4, when I click the card(link), it matches with the url of its genre detail page(image on the right).

4	4 Thriller	Thrillers are characterized by fast pacing, frequent action, and resourceful heroes who must thwart the plans of...
1	21 A Time to Kill	kill.jpg
2	18 And Then There Were None	none.jpg
3	19 Angels & Demons	demons.jpg
4	22 Before I Go to Sleep	sleep.jpg
5	26 Horror Movie	movie.jpg
6	20 Sharp Objects	objects.jpg
7	24 Summer of Night	night.jpg
8	25 The Amityville Horror	horror.jpg
9	17 The Girl With the Dragon Tattoo	tattoo.jpg

image 1: genre table, image 2: every book that has a genre of thriller

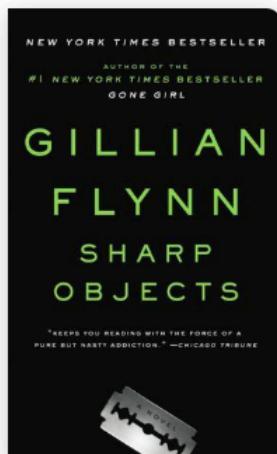
I went through my genre table in the database and found the line of id 4, the genre is exactly thriller and all of its data is correct. The books presented in the detail page are also correct.

# Thriller

Thrillers are characterized by fast pacing, frequent action, and resourceful heroes who must thwart the plans of more-powerful and better-equipped villains. Literary devices such as suspense, red herrings and cliffhangers are used extensively.

Thrillers often overlap with mystery stories, but are distinguished by the structure of their plots. In a thriller, the hero must thwart the plans of an enemy, rather than uncover a crime that has already happened. Thrillers also occur on a much grander scale: the crimes that must be prevented are serial or mass murder, terrorism, assassination, or the overthrow of governments. Jeopardy and violent confrontations are standard plot elements. While a mystery climaxes when the mystery is solved, a thriller climaxes when the hero finally defeats the villain, saving his own life and often the lives of others. ([less](#))

(Pick two books as examples to prove data correctness)



## Sharp Objects

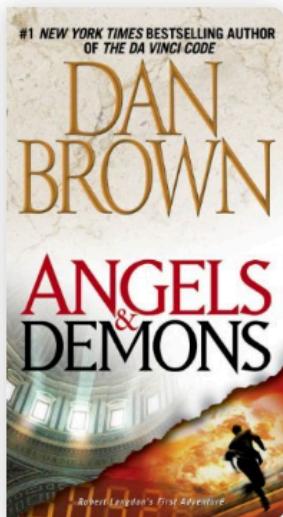
Gillian Flynn

4.01 1,192,489 ratings · 77,884 reviews

Fresh from a brief stay at a psych hospital, reporter Camille Preaker faces a troubling assignment: she must return to her tiny hometown to cover the unsolved murder of a preteen girl and the disappearance of another. For years, Camille has hardly spoken to her neurotic, hypochondriac mother or to the half-sister she barely knows: a beautiful thirteen-year-old with an eerie grip on the town. Now, installed in her old bedroom in her family's Victorian mansion,

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Robert Langdon #1

## Angels & Demons

Dan Brown

3.95 3,358,238 ratings · 36,569 reviews

An ancient secret brotherhood.

A devastating new weapon of destruction.

When world-renowned Harvard symbologist Robert Langdon is summoned to a Swiss research facility to analyze a mysterious symbol – seared into the chest of a murdered

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I also checked the source information, which all matches up with the data in my database, an extract was taken from the source for description.

### Advanced techniques 91892(database) checklist

Linking data in related tables or nodes using queries or keys	Yes, books and genres are many to many in my project linked with books_genre table.
Writing custom queries to filter and/or sort data	Yes, GROUP_CONCAT used in queries, LIKE, ORDER BY, GROUP BY, WHERE books_id IN, etc used in queries
Using logical, mathematical and/or wildcard operators	Yes, wildcard % used for search queries
Customising presentation of the data	Yes, displayed using a website/flask routes
Using custom forms to add user input to the database	No, only search forms, but no not affect database
Setting validation rules for data entry.	Yes, search forms with max length limit of 40 and min length of 1(default)

### Advanced techniques 91893(website) checklist

Creating or customising scripts, code or presets	Yes, flask routes, SQL queries and html templates written to display data on website
Using a combination of steps to manipulate or enhance elements	Yes, JOIN, GROUP_CONCAT, LIKE, ORDER BY, etc used in queries to present data in a certain way
Using a third-party library	Yes, flask and SQLite studio
Using composite effects.	Yes, box-shadow, transition and transform used in css for composite effects on link hovering

### Sprint #2 review

I have laid out authors and genres by splitting them into two html(one with all authors/genres cards, one with detail of specific author/genre). This has made my website cleaner instead of loads of information stacked on one page(which is what I have before). I have improved my css by committing a green-main color palette, adding code like box-shadow, transition to create effects on link hovering. Additionally, I have created a search bar feature for users to access information in a more efficient way. To debug(maybe not fully), I made error pages such as 404(page not found) and 500(internal server error), giving users an idea of what's going on. Lastly, I made a small improvement to my database structure by deleting the genre\_id column in the books table and have successfully displayed and used a many to many relationship(books-genres).

I was planning to do a login/register system for sprint #3 where it allows only users who login in to use the search bar, but eventually I ran out of time and had to give up at the end.