

Manual Test Plan

Setup:

→ To start the following project, it should be noted that the following libraries and tools will need to be used:

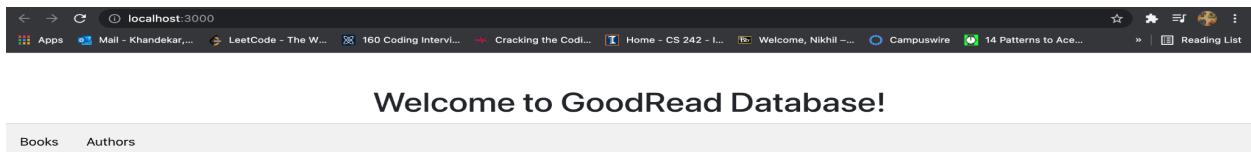
- PyCharm for an IDE
- Python3.9
- Flask
- Node.js
- React
- Google Chrome

→ To run the application, first run the backend server by typing python3.9 -m flask run. Then, the following will appear:

```
C:\Windows\system32>api nikhilkhandekar$ python3.9 -m flask run
* Environment: production
WARNING: This is a development server. Do not use it in a production deployment.
Use a production WSGI server instead.
* Debug mode: off
* Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
```

→ In separate terminal, write ‘npm start’ and the following will appear on Google Chrome:

→ Clicking on the authors tab will let you see the authors and clicking on the books tab will let you see the book



Test #1: A query with a valid syntax and an existing record for the field's value will be shown:

Query:

Query

Please Enter a query for a book

book.rating: > 4.5

Server Result:

Query

Please Enter a query for a book

book.rating: > 4.5

Server Result: Query Successful

Returned Result:

List of Books from GoodReads Database	
Effective Java	
Book ID: 34927404	
ISBN: 134685997	
Book Url: https://www.goodreads.com/book/show/34927404-effective-java	
Author: Joshua Bloch	
Author Url: https://www.goodreads.com/author/show/60805.Joshua_Bloch	
Rating: 4.51	
Rating Count: 7121	
Review Count: 373	
Image Url: https://www.goodreads.com/book/photo/34927404-effective-java	
Similar Books: Effective Java, Java Concurrency in Practice, Clean Code: A Handbook of Agile Software Craftsmanship, Head First Design Patterns, Design Patterns: Elements of Reusable Object-Oriented Software, Designing Data-Intensive Applications, Introduction to Algorithms, Building Microservices: Designing Fine-Grained Systems, The Pragmatic Programmer: From Journeyman to Master, Refactoring: Improving the Design of Existing Code, Java 8 in Action, Domain-Driven Design: Tackling Complexity in the Heart of Software, The Clean Coder: A Code of Conduct for Professional Programmers, Clean Architecture, Thinking in Java, Cracking the Coding Interview: 150 Programming Questions and Solutions, Code Complete, Head First Java, Working Effectively with Legacy Code, Test-Driven Development: By Example, Spring in Action	
<input type="button" value="Update"/>	<input type="button" value="Delete"/>

Test #2: A query with valid syntax for a book but with no results should return no objects and a server result indicating that:

Query:

Welcome to GoodRead Database!

Books Authors

Query

Please Enter a query for a book

book.rating: > 5

Server:

Server Result: No matching results for your query

Submit

Empty list:

Server Result:

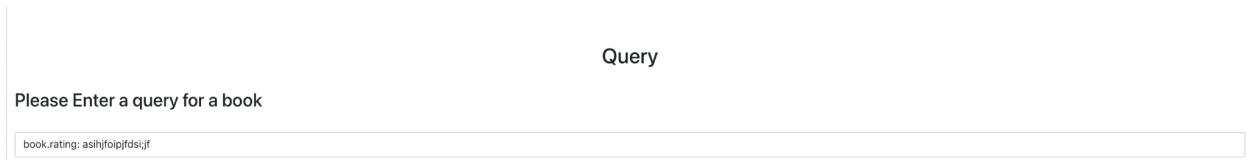
List of Books from GoodReads Database

Test #3: A query with valid syntax for a book but with no results should return no objects and a server result indicating that:

Query:

Query

Please Enter a query for a book



Server Result:

Server Result: Incorrect query syntax



Empty List:

List of Books from GoodReads Database

Test #4: Insertion of a book works with a correct server result and proper insertion of the book into the database:

Insertion information:

Enter Book Information

Title:

SBN:

Author:

Author Url:

Book Url:

Rating:

Rating Count:

Review Count:

Book ID:

Image Url:

Similar Books:

Server Result:

Server Result: Insertion Successful, please reload the page

Result inside database:

Cat in the Hat
Book ID: 2125323
ISBN: 039480001
Book Url: https://www.goodreads.com/book/show/233093.The_Cat_in_the_Hat
Author: None
Author Url: Dr. Seuss
Rating: 4.16
Rating Count: 476538
Review Count: 6238
Image Url: https://www.goodreads.com/book/show/233093.The_Cat_in_the_Hat
Similar Books: None

Test #5: Insertion of a book without a title gives the correct server result and no insertion of the book inside the database:

Insertion information (missing title):

Enter Book Information

Title:

ISBN:

Author:

Author Url:

Book Url:

Rating:

Rating Count:

Review Count:

Book ID:

Image Url:

Similar Books:

Server Result:

Image Url:

Similar Books:

Server Result: Please reload the page and enter a title

Test #6: UPDATE should automatically populate the fields when clicking on the button:

List of Books from GoodReads Database

Refactoring: Improving the Design of Existing Code

Book ID: 44936

ISBN: 201485672

Book URL: <https://www.goodreads.com/book/show/44936.Refactoring>

Author: Martin Fowler Kent Beck Don Roberts Erich Gamma

Author URL: https://www.goodreads.com/author/show/25215.Martin_Fowler https://www.goodreads.com/author/show/25211.Kent_Beck https://www.goodreads.com/author/show/25214.Don_Roberts https://www.goodreads.com/author/show/48622.Erich_Gamma

Rating: 4.25

Rating Count: 7423

Review Count: 309

Image URL: <https://www.goodreads.com/book/photo/44936.Refactoring>

Similar Books: Refactoring: Improving the Design of Existing CodeDesign Patterns: Elements of Reusable Object-Oriented SoftwareClean Code: A Handbook of Agile Software CraftsmanshipTest-Driven Development: By ExampleWorking Effectively with Legacy CodeCode CompleteThe Pragmatic Programmer: From Journeyman to MasterClean ArchitectureDomain-Driven Design: Tackling Complexity in the Heart of SoftwareHead First Design PatternsThe Clean Coder: A Code of Conduct for Professional ProgrammersThe Mythical Man-Month: Essays on Software EngineeringEffective JavaExtreme Programming Explained: Embrace Change (The XP Series)Growing Object-Oriented Software, Guided by TestsDesigning Data-Intensive ApplicationsRelease It!: Design and Deploy Production-Ready Software (Pragmatic Programmers)Building Microservices: Designing Fine-Grained SystemsJava Concurrency in PracticeJavaScript: The Good PartsRefactoring to PatternsIntroduction to AlgorithmsFundamentals of Software Architecture: An Engineering ApproachClean Agile: Back to BasicsThe Passionate ProgrammerPeopleware: Productive Projects and TeamsThe C Programming LanguageThe Art of Unit Testing: With Examples in .NETSoft Skills: The Software Developer's Life ManualA Philosophy of Software DesignGrokking AlgorithmsAn Illustrated Guide for Programmers and Other Curious People

[Update](#)

[Delete](#)

Result:

Enter Book Information

Title: <input type="text" value="Refactoring: Improving the Design of Existing Code"/>
ISBN: <input type="text" value="201485672"/>
Author: <input type="text" value="None"/>
Author URL: <input type="text" value="https://www.goodreads.com/author/show/44936.Refactoring"/>
Book URL: <input type="text" value="https://www.goodreads.com/book/show/44936.Refactoring"/>
Rating: <input type="text" value="4.25"/>
Rating Count: <input type="text" value="7423"/>
Review Count: <input type="text" value="309"/>
Book ID: <input type="text" value="44936"/>
Image URL: <input type="text" value="https://www.goodreads.com/book/photo/44936.Refactoring"/>
Similar Books: <input type="checkbox"/> Refactoring: Improving the Design of Existing Code

Server Result:

List of Books from GoodReads Database

Refactoring: Improving the Design of Existing Code

Book ID: 44936
ISBN: 201485672
Book URL: <https://www.goodreads.com/book/show/44936.Refactoring>
Author: Martin Fowler Kent Beck Don Roberts Erich Gamma
Author URL: https://www.goodreads.com/author/show/25215.Martin_Fowler https://www.goodreads.com/author/show/25211.Kent_Beck https://www.goodreads.com/author/show/25214.Don_Roberts https://www.goodreads.com/author/show/48622.Erich_Gamma
Rating: 4.25
Rating Count: 7423
Review Count: 309
Image URL: <https://www.goodreads.com/book/photo/44936.Refactoring>
Similar Books: Refactoring: Improving the Design of Existing Code

[Update](#) [Delete](#)

Test #7: UPDATE should properly update the data with a proper status result and the new data shown for the book item:

Original Data for book:

Refactoring: Improving the Design of Existing Code
Book ID: 44936
ISBN: 201485672
Book Url: <https://www.goodreads.com/book/show/44936.Refactoring>
Author: Martin Fowler,Kent Beck,Don Roberts,Erich Gamma
Author Url: https://www.goodreads.com/author/show/25215.Martin_Fowlerhttps://www.goodreads.com/author/show/25211.Kent_Beckhttps://www.goodreads.com/author/show/25214.Don_Robertshttps://www.goodreads.com/author/show/48622.Erich_Gamma
Rating: 4.25
Rating Count: 7423
Review Count: 309
Image Url: <https://www.goodreads.com/book/photo/44936.Refactoring>
Similar Books: Refactoring: Improving the Design of Existing CodeDesign Patterns: Elements of Reusable Object-Oriented SoftwareClean Code: A Handbook of Agile Software CraftsmanshipTest-Driven Development: By ExampleWorking Effectively with Legacy CodeCode CompleteThe Pragmatic Programmer: From Journeyman to MasterClean ArchitectureDomain-Driven Design: Tackling Complexity in the Heart of SoftwareHead First Design PatternsThe Clean Coder: A Code of Conduct for Professional ProgrammersThe Mythical Man-Month: Essays on Software EngineeringEffective JavaExtreme Programming Explained: Embrace Change (The XP Series)Growing Object-Oriented Software, Guided by TestsDesigning Data-Intensive ApplicationsRelease It!: Design and Deploy Production-Ready Software (Pragmatic Programmers)Building Microservices: Designing Fine-Grained SystemsJava Concurrency in PracticeJavaScript: The Good PartsRefactoring to PatternsIntroduction to AlgorithmsFundamentals of Software Architecture: An Engineering ApproachClean Agile: Back to BasicsThe Passionate ProgrammerPeopleware: Productive Projects and TeamsThe C Programming LanguageThe Art of Unit Testing: With Examples in .NETSoft Skills: The Software Developer's Life ManualA Philosophy of Software DesignGrokking AlgorithmsAn Illustrated Guide for Programmers and Other Curious People

[Update](#)

[Delete](#)

Updated information (changed rating count to 310 and the rating to 4.5):

Enter Book Information

Title:

ISBN:

Author:

Author Url:

Book Url:

Rating:

Rating Count:

Review Count:

Book ID:

Image Url

Similar Books:

[Submit](#)

Server status:

ISBN:

201485672

Author:

Martin Fowler,Kent Beck,

Author Url:

https://www.goodreads.cc

Book Url:

None

Rating:

4.5

Rating Count:

7423

Review Count:

310

Book ID:

44936

Image Url

https://www.goodreads.cc

Similar Books:

Refactoring: Improving th

Submit

Server Result: Update Successful, please reload the page

Newly updated information:

List of Books from GoodReads Database

Refactoring: Improving the Design of Existing Code

Book Id: 44936

ISBN: 201485672

Book Uri: None

Author: Martin Fowler,Kent Beck,Don Roberts,Erich Gamma

Author Url: https://www.goodreads.com/author/show/25215.Martin_Fowlerhttps://www.goodreads.com/author/show/25211.Kent_Beckhttps://www.goodreads.com/author/show/25214.Don_Robertshttps://www.goodreads.com/author/show/48622.Erich_Gamma

Rating: 4.5

Rating Count: 7423

Review Count: 310

Image Url: https://www.goodreads.com/book/photo/44936.Refactoring

Similar Books: Refactoring: Improving the Design of Existing CodeDesign Patterns: Elements of Reusable Object-Oriented SoftwareClean Code: A Handbook of Agile Software CraftsmanshipTest-Driven Development: By ExampleWorking Effectively with Legacy CodeCode CompleteThe Pragmatic Programmer: From Journeyman to MasterClean ArchitectureDomain-Driven Design: Tackling Complexity in the Heart of SoftwareHead First Design PatternsThe Clean Coder: A Code of Conduct for Professional ProgrammersThe Mythical Man-Month: Essays on Software EngineeringEffective JavaExtreme Programming Explained: Embrace Change (The XP Series)Growing Object-Oriented Software, Guided by TestsDesigning Data-Intensive ApplicationsRelease It!: Design and Deploy Production-Ready Software (Pragmatic Programmers)Building Microservices: Designing Fine-Grained SystemsJava Concurrency in PracticeJavaScript: The Good PartsRefactoring to PatternsIntroduction to AlgorithmsFundamentals of Software Architecture: An Engineering ApproachClean Agile: Back to BasicsThe Passionate ProgrammerPeopleware: Productive Projects and TeamsThe C Programming LanguageThe Art of Unit Testing: With Examples in .NETSoft Skills: The Software Developer's Life ManualA Philosophy of Software DesignGroking Algorithms An Illustrated Guide For Programmers and Other Curious People

Update

Delete

Test #8: Deletion works

A book is selected for deletion:

List of Books from GoodReads Database

Refactoring: Improving the Design of Existing Code

Book ID: 44936
ISBN: 201485672
Book Url: None
Author: Martin Fowler Kent Beck Don Roberts Erich Gamma
Author Url: https://www.goodreads.com/author/show/25215.Martin_Fowler https://www.goodreads.com/author/show/25211.Kent_Beck https://www.goodreads.com/author/show/25214.Don_Roberts https://www.goodreads.com/author/show/48622.Erich_Gamma
Rating: 4.5
Rating Count: 7423
Review Count: 310
Image Url: <https://www.goodreads.com/book/photo/44936.Refactoring>
Similar Books: Refactoring: Improving the Design of Existing CodeDesign Patterns: Elements of Reusable Object-Oriented SoftwareClean Code: A Handbook of Agile Software CraftsmanshipTest-Driven Development: By ExampleWorking Effectively with Legacy CodeCode CompleteThe Pragmatic Programmer: From Journeyman to MasterClean ArchitectureDomain-Driven Design: Tackling Complexity in the Heart of SoftwareHead First Design PatternsThe Clean Coder: A Code of Conduct for Professional ProgrammersThe Mythical Man-Month: Essays on Software EngineeringEffective JavaExtreme Programming Explained: Embrace Change (The XP Series)Growing Object-Oriented Software, Guided by TestsDesigning Data-Intensive ApplicationsRelease It!: Design and Deploy Production-Ready Software (Pragmatic Programmers)Building Microservices: Designing Fine-Grained SystemsJava Concurrency in PracticeJavaScript: The Good PartsRefactoring to PatternsIntroduction to AlgorithmsFundamentals of Software Architecture: An Engineering ApproachClean Agile: Back to BasicsThe Passionate ProgrammerPeopleware: Productive Projects and TeamsThe C Programming LanguageThe Art of Unit Testing: With Examples in .NETSoft Skills: The Software Developer's Life ManualA Philosophy of Software DesignGrokking AlgorithmsAn Illustrated Guide For Programmers and Other Curious People

[Update](#) [Delete](#)

A server result is given:

None

List of Books from GoodReads Database

Refactoring: Improving the Design of Existing Code

Book ID: 44936
ISBN: 201485672
Book Url: None
Author: Martin Fowler Kent Beck Don Roberts Erich Gamma
Author Url: https://www.goodreads.com/author/show/25215.Martin_Fowler https://www.goodreads.com/author/show/25211.Kent_Beck https://www.goodreads.com/author/show/25214.Don_Roberts https://www.goodreads.com/author/show/48622.Erich_Gamma
Rating: 4.5
Rating Count: 7423
Review Count: 310
Image Url: <https://www.goodreads.com/book/photo/44936.Refactoring>
Similar Books: Refactoring: Improving the Design of Existing CodeDesign Patterns: Elements of Reusable Object-Oriented SoftwareClean Code: A Handbook of Agile Software CraftsmanshipTest-Driven Development: By ExampleWorking Effectively with Legacy CodeCode CompleteThe Pragmatic Programmer: From Journeyman to MasterClean ArchitectureDomain-Driven Design: Tackling Complexity in the Heart of SoftwareHead First Design PatternsThe Clean Coder: A Code of Conduct for Professional ProgrammersThe Mythical Man-Month: Essays on Software EngineeringEffective JavaExtreme Programming Explained: Embrace Change (The XP Series)Growing Object-Oriented Software, Guided by TestsDesigning Data-Intensive ApplicationsRelease It!: Design and Deploy Production-Ready Software (Pragmatic Programmers)Building Microservices: Designing Fine-Grained SystemsJava Concurrency in PracticeJavaScript: The Good PartsRefactoring to PatternsIntroduction to AlgorithmsFundamentals of Software Architecture: An Engineering ApproachClean Agile: Back to BasicsThe Passionate ProgrammerPeopleware: Productive Projects and TeamsThe C Programming LanguageThe Art of Unit Testing: With Examples in .NETSoft Skills: The Software Developer's Life ManualA Philosophy of Software DesignGrokking AlgorithmsAn Illustrated Guide For Programmers and Other Curious People

[Update](#) [Delete](#)

Result: The deleted book selected for deletion is no longer the top, making it the deleted book:

Similar Books:

Server Result:

List of Books from GoodReads Database

Head First Design Patterns

Book ID: 58128

ISBN: 9780596007124

Book Url: https://www.goodreads.com/book/show/58128.Head_First_Design_Patterns

Author: Eric FreemanKathy SierraBert BatesElisabeth Robson

Author Url: https://www.goodreads.com/author/show/32731.Eric_Freemanhttps://www.goodreads.com/author/show/32733.Kathy_Sierrahttps://www.goodreads.com/author/show/32732.Bert_Bateshttps://www.goodreads.com/author/show/342.Elisabeth_Robson

Rating: 4.29

Rating Count: 7691

Review Count: 439

Image Url: https://www.goodreads.com/book/photo/58128.Head_First_Design_Patterns

Similar Books: Head First Design PatternsDesign Patterns: Elements of Reusable Object-Oriented SoftwareClean Code: A Handbook of Agile Software CraftsmanshipEffective JavaRefactoring: Improving the Design of Existing CodeCode CompleteThe Pragmatic Programmer: From Journeyman to MasterWorking Effectively with Legacy CodeIntroduction to AlgorithmsClean ArchitectureJava Concurrency in PracticePatterns of Enterprise Application ArchitectureDesigning Data-Intensive ApplicationsThe Clean Coder: A Code of Conduct for Professional ProgrammersTest-Driven Development: By ExampleDomain-Driven Design: Tackling Complexity in the Heart of SoftwareJavaScript: The Good PartsBuilding Microservices: Designing Fine-Grained SystemsGrokking Algorithms An Illustrated Guide For Programmers and Other Curious PeopleCracking the Coding Interview: 150 Programming Questions and SolutionsEffective C++: 55 Specific Ways to Improve Your Programs and DesignsGrowing Object-Oriented Software, Guided by TestsThe Mythical Man-Month: Essays on Software EngineeringSpring in ActionExtreme Programming Explained: Embrace Change (The XP Series)JavaScript: The Definitive GuideDive Into Design PatternsRelease It!: Design and Deploy Production-Ready Software (Pragmatic Programmers)Java 8 in ActionThe C Programming LanguageFundamentals of Software Architecture: An Engineering Approach

Test #9: GET: A query for an author with proper syntax works properly:

Query:

Welcome to GoodRead Database!

Books Authors

Query

Please Enter a query for an Author

author.name: Michael C. Feathers

Server result:

Query

Please Enter a query for an Author

author.name: Michael C. Feathers

Server Result: Query Successful

Submit

Query Result:

List of Authors from GoodReads Database

Michael C. Feathers

Author ID: 25201

Image Url = https://www.goodreads.com/photo/author/25201.Michael_C_Feathers

Author Url: https://www.goodreads.com/author/show/25201.Michael_C_Feathers

Rating Count: 5751

Review Count: 321

Author Books: Coder PropermentWorking Effectively with Legacy CodeBeautiful Code: Leading Programmers Explain How They ThinkThe Art of Unit Testing: Deutsche AusgabeWorking Effectively with Unit TestsBrutal Refactoring: More Working Effectively with Legacy Code

Related Authors: Michael C. FeathersAndy HuntSteve McConnellMichael T. NygardKent BeckMartin FowlerEric FreemanTom DeMarcoRobert C. MartinErich GammaJoshua BlochThomas H. CormenBrian GoetzEric EvansGerard MeszarosPeter SeibelRoy OsheroveFrederick P. Brooks Jr.Sam NewmanJez HumbleSandro MancusoMartin KleppmannAditya Y. BhargavaSteve FreemanJohn Ousterhout

Update Delete

Test #10: GET: A query for an author with proper syntax, but no with no results for the value of the field works:

Query

Please Enter a query for an Author

author.name: Johnathan Lee

Server Result:

Query

Please Enter a query for an Author

author.name: Johnathan Lee

Server Result: No matching results for your query

Search Result:

Welcome to GoodRead Database!

Query

Please Enter a query for an Author

author.name: Johnathan Lee

Server Result: No matching results for your query

Enter Author Information

Name	<input type="text"/>
Genre	<input type="text"/>
Author ID	<input type="text"/>
Age	<input type="text"/>
Rating	<input type="text"/>
Writing Count	<input type="text"/>
Books Count	<input type="text"/>
Image URL	<input type="text"/>
Notes	<input type="text"/>
Author Bio	<input type="text"/>

Server Result:

List of Authors from GoodReads Database

Test #11: GET - A query for an author with improper syntax yields the correct server result and no results inside the search:

Query (improper field):

Query

Please Enter a query for an Author

`author.author_id: > Michael C. Feathers`

Server Result: Incorrect query syntax

Result:

Query

Please Enter a query for an Author

`author.author_id: > Michael C. Feathers`

Server Result: Incorrect query syntax

Welcome to GoodRead Database!

Query

Please Enter a query for an Author

`author.author_id: > Michael C. Feathers`

Server Result: Incorrect query syntax

Enter Author Information

Name:
Author ID:
Genre:
Books Read:
Name:
Writing Style:
Home Town:
Image URL:
Nationality:
Born:
Author Books:

Server Result:

List of Authors from GoodReads Database

Test #12: POST - Can post a valid new author and get the correct server result and see the result in the list of authors:

Enter Author Information

Name

Author Url

Author ID

Rating

Rating Count

Review Count

Image Url

Related Authors

Author Books

Server Result:

Server Result:

Enter Author Information

Name

Author Url

Author ID

Rating

Rating Count

Review Count

Image Url

Related Authors

Author Books

Server Result: Insert Successful, please reload the page

Search Result:

The screenshot shows a web browser window with the URL localhost:3000. The search results for two authors are displayed:

Michael T. Nygard

Author ID: 6089
Review Count: 9691
Rating Count: 9691
Image URL: https://www.goodreads.com/photo/authors/6089/Michael_T._Nygard
Rating Count: 2828
Review Count: 230
Author Books: [JavaScript: The Good Parts](#), [Beautiful Code: Leading Programmers Explain How They Think](#), [How JavaScript Works](#)
Related Authors: Douglas Crockford, Steve Krug, Andy Hunt, Steve McConnell, Kent Beck, Martin Fowler, Eric Freeman, Kathy Sierra, Robert C. Martin, Erich Gamma, Joshua Bloch, Thomas H. Cormen, Brian Stroustrup, David Flanagan, Eric Evans, Jon Duckett, Brian W. Kernighan, John Resig, Guy Liron, Frederick P. Brooks Jr., Sam Newman, Marjin Haverbeke, Gayle Laskmann McDowell, Kyle Simpson, Vaughn Vernon, Martin Kleppmann, David Herman

Dr. Seuss

Author ID: 23476324
Image URL: https://www.goodreads.com/photo/author/61105/Dr._Seuss
Rating Count: 3474882
Review Count: 60597
Author Books: m
Related Authors: The Lorax

At the bottom of each author's section are "Update" and "Delete" buttons.

Test #13: Entering information about an author does not work if the author name is not given and the appropriate server result is given with a cleared search input:

Search Input:

Enter Author Information

Name

Author Url
 <https://www.goodreads.com>

Author ID
 3874

Rating
 4.21

Rating Count
 24362

Review Count
 2341

Image Url
 <https://www.goodreads.com>

Related Authors
 The Lorax

Author Books
 The Lorax

Server Result:

Enter Author Information

Name
 None

Author Url
 None

Author ID
 0

Rating
 0

Rating Count
 0

Review Count
 0

Image Url
 None

Related Authors
 None

Author Books
 None

Server Result: Please enter a valid name and reload the page

Test #14 - PUT - When clicking the button, for an author the results get automatically populated:

The update button gets clicked (can be seen by how the button has a blue border around it):

List of Authors from GoodReads Database

Michael C. Feathers

Author ID: 25201

Image URL: https://www.goodreads.com/photo/author/25201.Michael_C_Feathers

Author URL: https://www.goodreads.com/author/show/25201.Michael_C_Feathers

Rating Count: 5751

Review Count: 321

Author Books: *Coder* *Pro* *Working Effectively with Legacy Code* *Beautiful Code: Leading Programmers Explain How They Think* *The Art of Unit Testing: Deutsche Ausgabe* *Working Effectively with Unit Tests* *Brutal Refactoring: More Working Effectively with Legacy Code*

Related Authors: Michael C. Feathers Andy Hunt Steve McConnell Michael T. Nygard Kent Beck Martin Fowler Eric Freeman Tom DeMarco Robert C. Martin Erich Gamma Joshua Bloch Thomas H. Cormen Brian Goetz Eric Evans Gerard Meszaros Peter Seibel Roy Osherove Frederick P. Brooks Jr. Sam Newman Jez Humble Sandro Mancuso Martin Kleppmann Aditya Y. Bhargava Steve Freeman John Ousterhout

[Update](#) [Delete](#)

The data gets populated:

Enter Author Information

Name:

Author ID:

Author ID:

Rating:

Review Count:

Image URL:

Related Authors: Michael C. Feathers Andy Hunt

Author Books: *Coder* *Pro* *Working Effectively with Legacy Code* *Beautiful Code: Leading Programmers Explain How They Think* *The Art of Unit Testing: Deutsche Ausgabe* *Working Effectively with Unit Tests* *Brutal Refactoring: More Working Effectively with Legacy Code*

[Submit](#)

Server Result: Please enter a valid name and reload the page

List of Authors from GoodReads Database

Michael C. Feathers

Author ID: 25201

Image URL: https://www.goodreads.com/photo/author/25201.Michael_C_Feathers

Author URL: https://www.goodreads.com/author/show/25201.Michael_C_Feathers

Rating Count: 5751

Review Count: 321

Author Books: *Coder* *Pro* *Working Effectively with Legacy Code* *Beautiful Code: Leading Programmers Explain How They Think* *The Art of Unit Testing: Deutsche Ausgabe* *Working Effectively with Unit Tests* *Brutal Refactoring: More Working Effectively with Legacy Code*

Related Authors: Michael C. Feathers Andy Hunt Steve McConnell Michael T. Nygard Kent Beck Martin Fowler Eric Freeman Tom DeMarco Robert C. Martin Erich Gamma Joshua Bloch Thomas H. Cormen Brian Goetz Eric Evans Gerard Meszaros Peter Seibel Roy Osherove Frederick P. Brooks Jr. Sam Newman Jez Humble Sandro Mancuso Martin Kleppmann Aditya Y. Bhargava Steve Freeman John Ousterhout

[Update](#) [Delete](#)

Test #15: Update works by giving a correct server result, clears the search box, and updates the page when re-loading the data:

Updated information in box (the rating and review counts have been altered):

Enter Author Information

Name	Michael Feathers
Author Url	None
Author ID	25201
Rating	4.04
Rating Count	5801
Review Count	333
Image Url	https://www.goodreads.cc
Related Authors	Michael C. Feathers,Andy
Author Books	Michael C. Feathers,Andy

Server result:

Enter Author Information

Name	Michael Feathers
Author Url	None
Author ID	25201
Rating	4.04
Rating Count	5801
Review Count	333
Image Url	https://www.goodreads.cc
Related Authors	Michael C. Feathers,Andy
Author Books	Michael C. Feathers,Andy

Server Result: Update Successful, please reload the page

Result of update upon refreshing the page:

List of Authors from GoodReads Database

Michael Feathers

Author ID: 25201

Image Uri = https://www.goodreads.com/photo/author/25201.Michael_C_Feathers

Author Uri: None

Rating Count: 5801

Review Count: 333

Author Books: Coder ProprementeWorking Effectively with Legacy CodeBeautiful Code: Leading Programmers Explain How They ThinkThe Art of Unit Testing: Deutsche AusgabeWorking Effectively with Unit TestsBrutal Refactoring: More Working Effectively with Legacy Code

Related Authors: Michael C. FeathersAndy HuntSteve McConnellMichael T. NygardKent BeckMartin FowlerEric FreemanTom DeMarcoRobert C. MartinErich GammaJoshua BlochThomas H. CormenBrian GoetzEric EvansGerard MeszarosPeter SeibelRoy OsheroveFrederick P. Brooks Jr.Sam NewmanJez HumbleSandro MancusoMartin KleppmannAditya Y. BhargavaSteve FreemanJohn Ousterhout

[Update](#)

[Delete](#)

Test #16: Deletion works by returning the correct server result and the result should not be able to seen anymore:

Deletion button is clicked which can be seen by the blue border around the button:

List of Authors from GoodReads Database

Michael Feathers
Author ID: 25201
Image Url = https://www.goodreads.com/photo/author/25201.Michael_C_Feathers
Author Url: None
Rating Count: 5801
Review Count: 333
Author Books: Coder ProprementWorking Effectively with Legacy CodeBeautiful Code: Leading Programmers Explain How They ThinkThe Art of Unit Testing: Deutsche AusgabeWorking Effectively with Unit TestsBrutal Refactoring: More Working Effectively with Legacy Code
Related Authors: Michael C. FeathersAndy HuntSteve McConnellMichael T. NygardKent BeckMartin FowlerEric FreemanTom DeMarcoRobert C. MartinErich GammaJoshua BlochThomas H. CormenBrian GoetzEric EvansGerard MeszarosPeter SeibelRoy OsheroveFrederick P. Brooks Jr.Sam NewmanJez HumbleSandro MancusoMartin KleppmannAditya Y. BhargavaSteve FreemanJohn Ousterhout

[Update](#) [Delete](#)

Server result:

Server Result: Deletion successful, please reload the page

List of Authors from GoodReads Database

Michael Feathers
Author ID: 25201
Image Url = https://www.goodreads.com/photo/author/25201.Michael_C_Feathers
Author Url: None
Rating Count: 5801
Review Count: 333
Author Books: Coder ProprementWorking Effectively with Legacy CodeBeautiful Code: Leading Programmers Explain How They ThinkThe Art of Unit Testing: Deutsche AusgabeWorking Effectively with Unit TestsBrutal Refactoring: More Working Effectively with Legacy Code
Related Authors: Michael C. FeathersAndy HuntSteve McConnellMichael T. NygardKent BeckMartin FowlerEric FreemanTom DeMarcoRobert C. MartinErich GammaJoshua BlochThomas H. CormenBrian GoetzEric EvansGerard MeszarosPeter SeibelRoy OsheroveFrederick P. Brooks Jr.Sam NewmanJez HumbleSandro MancusoMartin KleppmannAditya Y. BhargavaSteve FreemanJohn Ousterhout

[Update](#) [Delete](#)

The first author has been removed as shown by the list:

Please Enter a query for an Author

Query

Server Result:

Name:

Author URL:

Author ID:

Rating:

Rating Count:

Score:

Review Count:

Image URL:

National Authors:

Author Books:

Enter Author Information

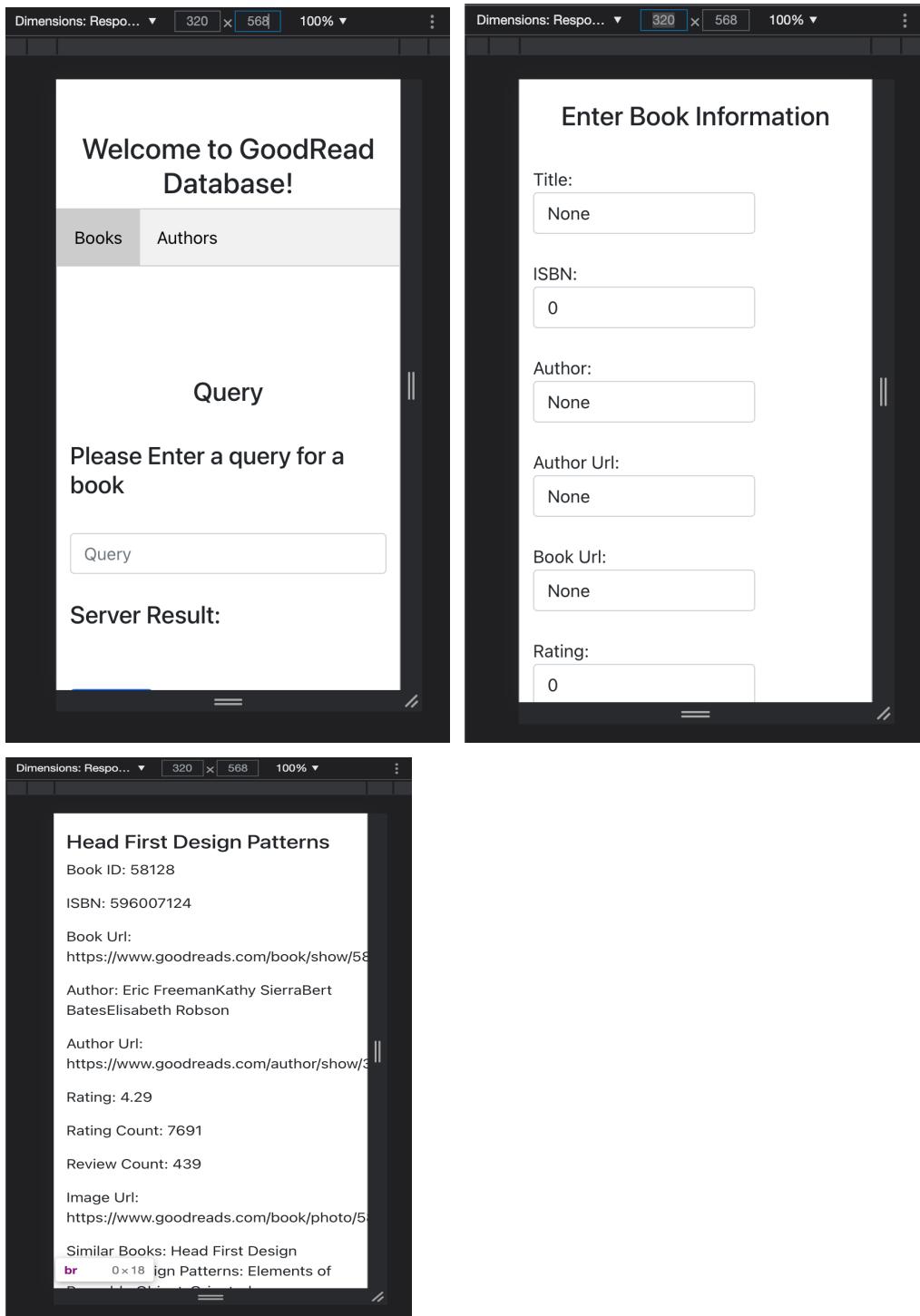
Server Result:

Joshua Block

Author ID: 60605
Author URL: http://www.goodreads.com/author/show/60605.Joshua_Block
Rating Count: 10210
Review Count: 521
Author Books: Effective JavaScript: Concurrency in Practice; Java Persistence API; Trap, Phobia, and Counter Cultural Religion
National Authors: Joshua Block; Joshua McConnell; Michael T. Heimbigner; Stephen Michael C. Feltch; Michael Asanitham; Fowler Eric; Franklin Stanley; Shellye Erk; Michael C. Maritz; G. Gamma; Thomas H. Cormen; Greg Matlin; Genevieve Granahan; M. Hastings; Guy E. F. Martin; Ian; Goodfellow; Daniel J. McDonald; Michael K. Karpman; Michael O'Dwyer; Jameson

List of Authors from GoodReads Database

Test #17: The book's web page will properly be able to fit for a small iPhone (320 x 568) and fill up the entire space without allowing for horizontal flowing:



The entire page is filled and there is no bar to allow for horizontal scrolling unlike vertical scrolling.

Test #18: The author's web page will properly fit for a large iPhone (320 x 568) and fill up the entire space without allowing for horizontal flowing:

The image shows two side-by-side screenshots of a mobile application interface, both set to a resolution of 320 x 568 pixels. The top-left screenshot displays a landing page with a title 'Welcome to GoodRead Database!', a navigation bar with 'Books' and 'Authors' tabs (the 'Authors' tab is selected), and a central input field labeled 'Query' with placeholder text 'Please Enter a query for an Author'. Below the input field is a button labeled 'Query'. The top-right screenshot shows a form for entering author details, including fields for 'Rating Count' (0), 'Review Count' (0), 'Image Url' (None), 'Related Authors' (None), and 'Author Books' (None). A blue 'Submit' button is located below these fields. Both screenshots have a header bar at the top showing 'Dimensions: Respo...', '320 x 568', and '100%'. The bottom screenshot is a detailed view of an author profile for Michael C. Feathers.

List of Authors from GoodReads Database

Michael C. Feathers

Author ID: 25201

Image Url =
<https://www.goodreads.com/photo/author/>

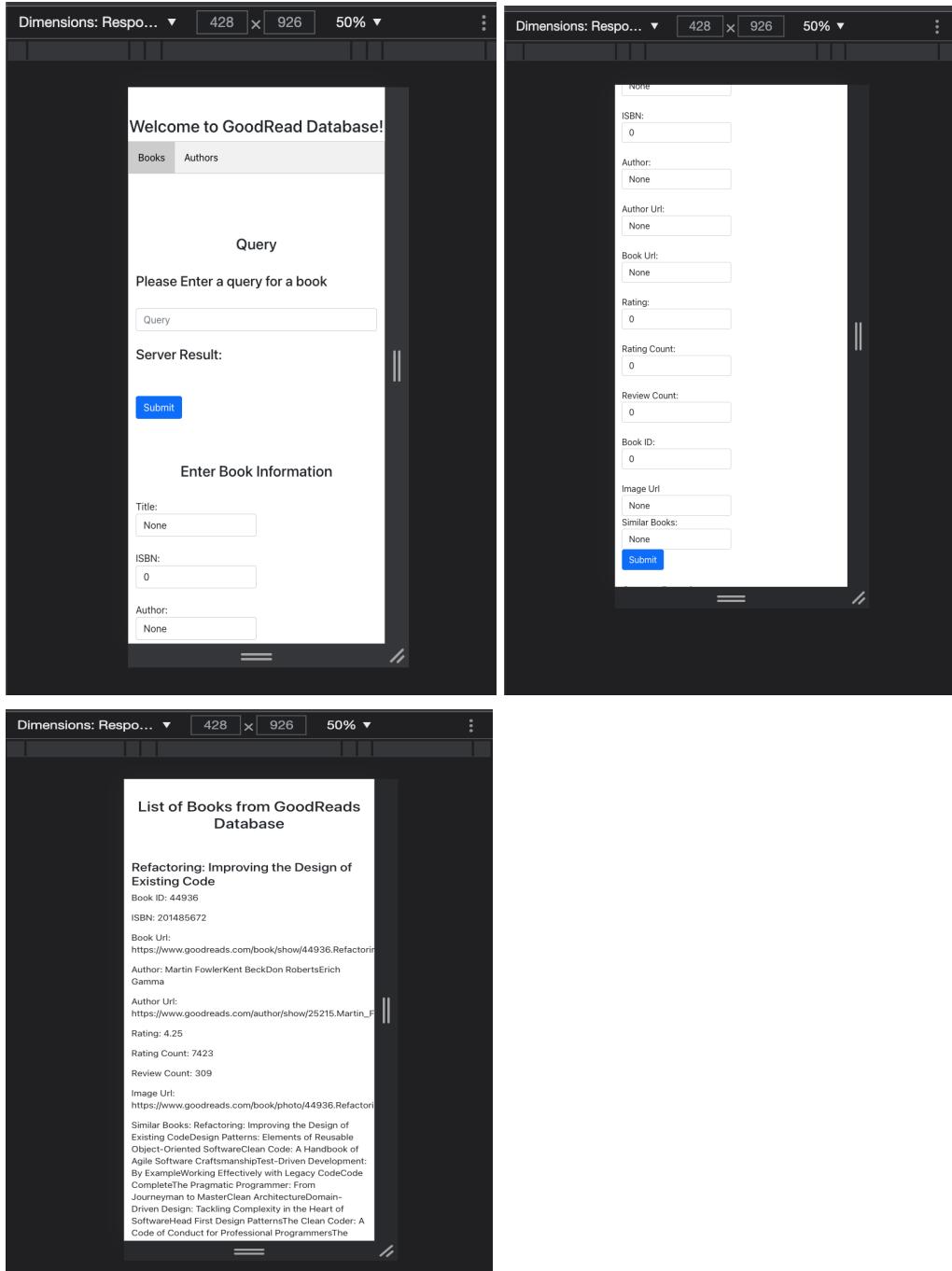
Author Url:
<https://www.goodreads.com/author/show/25201>

Rating Count: 5751

Review Count: 321

Author Books: Coder
ProprementWorking Effectively with Legacy CodeBeautiful Code: Leading Programmers Explain How They ThinkThe Art of Unit Testing: Deutsche

Test #19: The book's web page will properly be able to fit for a small iPhone (428 x 926) and fill up the entire space without allowing for horizontal flowing:



Test #20: The author's web page will properly fit for a small iPhone (428 x 926) and fill up the entire space without allowing for horizontal flowing:

Dimensions: Respo... ▾ 428 x 926 50% ▾ :

Welcome to GoodRead Database!

Books Authors

Query

Please Enter a query for an Author

Query

Server Result:

Submit

Enter Author Information

Name None

Author Url None

Author ID 0

Rating 0

Rating Count 0

Review Count 0

Image Url None

Related Authors None

Author Books None

Submit

Server Result:

Michael C. Feathers

Author ID: 25201

Image Url =
https://www.goodreads.com/photo/author/25201.Michael.C.Feathers

Author Url:
https://www.goodreads.com/author/show/25201.Michael.C.Feathers

Rating Count: 5751

Review Count: 321

Author Books: Coder PropretnWorking Effectively with Legacy CodeBeautiful Code: Leading Programmers Explain How They ThinkThe Art of Unit Testing: Deutsch AusgabeWorking Effectively with Unit TestsBrutal Refactoring: More Working Effectively with Legacy Code

Related Authors: Michael C. FeathersAndy HuntSteve McConnellMichael T. NygardKent BeckMartin FowlerEric FreemanTom DeMarcoRobert C. MartinErich GammaJoshua BlochThomas H. CormenBrian GoetzEric EvansGerard MeszarosPeter SeibelRoy OsheroveFrederick P. Brooks Jr.Sam NewmanJez HumbleSandro MancusoMartin KleppmannAditya Y. BhargavaSteve FreemanJohn Ousterhout

Update

Delete