**RabbitMQ Spring Boot Back-end**

### Overview

RabbitMQ Spring Boot Application has two components which are book-consumer-service and book-producer-service.

The book-producer-service expose a rest endpoint to create a book entry which will be sent to the queue and will be consumed by book-consumer-service. The book-consumer-service will persist the book record in the MySQL database.

The Angular App will call book-consumer-service rest endpoints to get book records and will display them on user screen

These are API that RabbitMQ Spring Boot Application Book Producer Service will Export:

|  |  |  |
| --- | --- | --- |
| POST | localhost:9091/api/v1/book | Create Book and Send To RabbitMQ |

Sample Request: { "isbn": "abcd1334","title": "Sherlock Holmes Adventures", "author":"Arthur Conan Doyle", "price": 10,"publisher": "George Newnes", "genre": "Detective fiction short stories", "description": "The Adventures of Sherlock Holmes is a collection of twelve short stories by Arthur Conan Doyle, first published on 14 October 1892" }

These are API that RabbitMQ Spring Boot Application Book Consumer Service will Export:

|  |  |  |
| --- | --- | --- |
| GET | localhost:8080/api/books | Retreive All Books |

Sample Response: [

{

"id": 1,

"isbn": "abcd1334",

"title": "Sherlock Holmes Adventures",

"author": "Arthur Conan Doyle",

"price": 10,

"publisher": "George Newnes",

"genre": "Detective fiction short stories",

"description": "The Adventures of Sherlock Holmes is a collection of twelve short stories by Arthur Conan Doyle, first published on 14 October 1892"

},

{

"id": 2,

"isbn": "dfgh1334",

"title": "Last Day",

"author": "Luanne Rice",

"price": 20,

"publisher": "New York Times",

"genre": "Detective fiction short stories",

"description": "From celebrated New York Times bestselling author Luanne Rice comes a riveting story of a seaside community shaken by a violent crime and a tragic loss."

}

]

|  |  |  |
| --- | --- | --- |
| GET | localhost:8080/api/books?title=Sherlock | Retreive All Books Containing Title Sherlock |

[

{

"id": 1,

"isbn": "abcd1334",

"title": "Sherlock Holmes Adventures",

"author": "Arthur Conan Doyle",

"price": 10,

"publisher": "George Newnes",

"genre": "Detective fiction short stories",

"description": "The Adventures of Sherlock Holmes is a collection of twelve short stories by Arthur Conan Doyle, first published on 14 October 1892"

}

]

|  |  |  |
| --- | --- | --- |
| GET | localhost:8080/api/books/author?author=Luanne | Retreive All Books Containing Author Arthur |

Sample Response:

{

"id": 2,

"isbn": "dfgh1334",

"title": "Last Day",

"author": "Luanne Rice",

"price": 20,

"publisher": "New York Times",

"genre": "Detective fiction short stories",

"description": "From celebrated New York Times bestselling author Luanne Rice comes a riveting story of a seaside community shaken by a violent crime and a tragic loss."

}

]