DOCUMENTATION

MongoDB Project – Library

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**Endpoints**

* **AuthorController**
* **@GetMapping("/authors")**
* **Postman request:** [**http://localhost:8080/authors**](http://localhost:8080/authors)
* **curl –location 'http://localhost:8080/authors'**
* **@GetMapping("/authors/{authorId}")**
* **Postman request:** [**http://localhost:8080/authors/6596f867d6f16b1279ea7a44**](http://localhost:8080/authors/6596f867d6f16b1279ea7a44)
* **curl --location 'http://localhost:8080/authors/6596f867d6f16b1279ea7a44'**
* **@PostMapping("/authors")**
* **Postman request:** [**http://localhost:8080/authors**](http://localhost:8080/authors)
* **curl --location 'http://localhost:8080/authors' \**

**--header 'Content-Type: application/json' \**

**--data-raw '{**

**"name": "Mary Kate",**

**"email": "maryk123@gmail.com",**

**"genre": "romance",**

**"country": "UK",**

**"age": 28**

**}'**

* **Body (Json):**

{

    "name": "Mary Kate",

    "email": "maryk123@gmail.com",

    "genre": "romance",

    "country": "UK",

    "age": 28

}

* **@PutMapping("/authors/{authorId}")**
* **Postman request:** [**http://localhost:8080/authors/6596f867d6f16b1279ea7a44**](http://localhost:8080/authors/6596f867d6f16b1279ea7a44)
* **curl --location --request PUT 'http://localhost:8080/authors/6596c053e097d5282dfd4e47' \**

**--header 'Content-Type: application/json' \**

**--data-raw '{**

**"name": "authorName",**

**"email": "email@gmail.comm",**

**"genre": "romance",**

**"country": "Romania",**

**"age": 20**

**}'**

* **Body (Json):**

{

    "name": "Mary Kate",

    "email": "maryk123@gmail.com",

    "genre": "romance",

    "country": "UK",

    "age": 28

}

* **@DeleteMapping("/authors/{authorId}")**
* **Postman request:** [**http://localhost:8080/authors/6596f867d6f16b1279ea7a44**](http://localhost:8080/authors/6596f867d6f16b1279ea7a44)
* **curl --location --request DELETE 'http://localhost:8080/authors/6596c6172dd9af7d18f498c1' \**

**--data ''**

* **CategoryController**
* **@GetMapping("/categories")**
* **Postman request:** [**http://localhost:8080/categories**](http://localhost:8080/categories)
* **curl –location 'http://localhost:8080/categories**
* **@GetMapping("/categories /{categoryId}")**
* **Postman request:** [**http://localhost:8080/** **categories /6596f867d6f16b1279ea7a44**](http://localhost:8080/authors/6596f867d6f16b1279ea7a44)
* **curl --location 'http://localhost:8080/categories /6596f867d6f16b1279ea7a44'**
* **@PostMapping("/categories ")**
* **Postman request:** [**http://localhost:8080/** **categories**](http://localhost:8080/authors)
* **curl --location 'http://localhost:8080/categories \**

**--header 'Content-Type: application/json' \**

**--data '{**

**"name": "Teen Fiction",**

**"description": "This is for young people",**

**"numberOfBooks": 65,**

**"isActive": true,**

**"createdBy": "James436"**

**}'**

* **Body (Json):**

{

  "name": "Teen Fiction",

  "description": "This is for young people",

  "numberOfBooks": 65,

  "isActive": true,

  "createdBy": "James436"

}

* **@PutMapping("/categories /{categoryId}")**
* **Postman request:** [**http://localhost:8080/** **categories /6596f867d6f16b1279ea7a44**](http://localhost:8080/authors/6596f867d6f16b1279ea7a44)
* **curl --location --request PUT 'http://localhost:8080/categories /6596c053e097d5282dfd4e47' \**

**--header 'Content-Type: application/json' \**

**--data '{**

**"name": "Example Category3",**

**"description": "This is an example category description.",**

**"numberOfBooks": 10,**

**"createdBy": "JohnDoe",**

**"isActive": false**

**}'**

* **Body (Json):**

{

    "name": "Example Category3",

    "description": "This is an example category description.",

    "numberOfBooks": 10,

    "createdBy": "JohnDoe",

    "isActive": false

}

* **@DeleteMapping("/categories /{categoryId}")**
* **Postman request:** [**http://localhost:8080/** **categories /6596f867d6f16b1279ea7a44**](http://localhost:8080/authors/6596f867d6f16b1279ea7a44)
* **curl --location --request DELETE 'http://localhost:8080/authors/6596c6172dd9af7d18f498c1' \**

**--data ''**

* **BookController**
* **@GetMapping("/books")**
* **Postman request:** [**http://localhost:8080/books**](http://localhost:8080/books)
* **curl –location 'http://localhost:8080/books**
* **@GetMapping("/books/{bookId}")**
* **Postman request:** [**http://localhost:8080/** **books /6596f867d6f16b1279ea7a44**](http://localhost:8080/%20books%20/6596f867d6f16b1279ea7a44)
* **curl --location 'http://localhost:8080/books /6596f867d6f16b1279ea7a44'**
* **@PostMapping("/books")**
* **Postman request:** [**http://localhost:8080/** **books**](http://localhost:8080/%20books%20)
* **curl --location 'http://localhost:8080/books \**

**--header 'Content-Type: application/json' \**

**--data '{**

**"title": "Go with the flow 4",**

**"publicationYear": "2023",**

**"genre": "Fiction",**

**"authorId": "6596f867d6f16b1279ea7a44",**

**"categoryId": "6596f8d4d6f16b1279ea7a45"**

**}'**

* **Body (Json):**

{

  "title": "Go with the flow 4",

  "publicationYear": "2023",

  "genre": "Fiction",

  "authorId": "6596f867d6f16b1279ea7a44",

  "categoryId": "6596f8d4d6f16b1279ea7a45"

}

* **@PutMapping("/books/{bookId}")**
* **Postman request:** [**http://localhost:8080/books /6596f867d6f16b1279ea7a44**](http://localhost:8080/books%20/6596f867d6f16b1279ea7a44)
* **curl --location --request PUT 'http://localhost:8080/** **books /6596c053e097d5282dfd4e47' \**

**--header 'Content-Type: application/json' \**

**--data '{**

**"title": "Go with the flow 4",**

**"publicationYear": "2023",**

**"genre": "Fiction",**

**"authorId": "6596f867d6f16b1279ea7a44",**

**"categoryId": "6596f8d4d6f16b1279ea7a45"**

**}'**

* **Body (Json):**

{

      "title": "Go with the flow 4",

  "publicationYear": "2023",

      "genre": "Fiction",

      "authorId": "6596f867d6f16b1279ea7a44",

  "categoryId": "6596f8d4d6f16b1279ea7a45"

}

* **@DeleteMapping("/books/{bookId}")**
* **Postman request:** [**http://localhost:8080/** **books /6596f867d6f16b1279ea7a44**](http://localhost:8080/%20books%20/6596f867d6f16b1279ea7a44)
* **curl --location --request DELETE 'http://localhost:8080/books/6596c6172dd9af7d18f498c1' \**

**--data ''**

* **ReaderController**
* **@GetMapping("/readers")**
* **Postman request:** [**http://localhost:8080/readers**](http://localhost:8080/readers)
* **curl –location 'http://localhost:8080/readers**
* **@GetMapping("/readers/{readerId}")**
* **Postman request:** [**http://localhost:8080/readers /6596f867d6f16b1279ea7a44**](http://localhost:8080/readers%20/6596f867d6f16b1279ea7a44)
* **curl --location 'http://localhost:8080/readers /6596f867d6f16b1279ea7a44'**
* **@PostMapping("/readers")**
* **Postman request:** [**http://localhost:8080/readers**](http://localhost:8080/readers%20)
* **curl --location 'http://localhost:8080/readers\**

**--header 'Content-Type: application/json' \**

**--data-raw '{**

**"firstname": "John",**

**"lastname": "Doe",**

**"email": "john.doe@example.com",**

**"phone": "+1234567890"**

**}'**

* **Body (Json):**

{

  "firstname": "John",

  "lastname": "Doe",

  "email": "john.doe@example.com",

  "phone": "+1234567890"

}

* **@PutMapping("/readers/{readerId}")**
* **Postman request:** [**http://localhost:8080/readers /6596f867d6f16b1279ea7a44**](http://localhost:8080/readers%20/6596f867d6f16b1279ea7a44)
* **curl --location --request PUT 'http://localhost:8080/readers /6596c053e097d5282dfd4e47' \**

**--header 'Content-Type: application/json' \**

**--data-raw '{**

**"firstname": "John",**

**"lastname": "Doe",**

**"email": "john.doe@example.com",**

**"phone": "+1234567890"**

**}'**

* **Body (Json):**

{

  "firstname": "John",

  "lastname": "Doe",

  "email": "john.doe@example.com",

  "phone": "+1234567890"

}

* **@DeleteMapping("/books/{bookId}")**
* **Postman request:** [**http://localhost:8080/** **readers /6596f867d6f16b1279ea7a44**](http://localhost:8080/%20readers%20/6596f867d6f16b1279ea7a44)
* **curl --location --request DELETE 'http://localhost:8080/readers/6596c6172dd9af7d18f498c1' \**

**--data ''**

* **LoanController**
* **@GetMapping("/loans")**
* **Postman request:** [**http://localhost:8080/loans**](http://localhost:8080/loans)
* **curl –location 'http://localhost:8080/loans**
* **@GetMapping("/loans/{loanId}")**
* **Postman request:** [**http://localhost:8080/loans /6596f867d6f16b1279ea7a44**](http://localhost:8080/loans%20/6596f867d6f16b1279ea7a44)
* **curl --location 'http://localhost:8080/loans /6596f867d6f16b1279ea7a44'**
* **@PostMapping("/loans")**
* **Postman request:** [**http://localhost:8080/loans**](http://localhost:8080/loans%20)
* **curl --location 'http://localhost:8080/loans\**

**--header 'Content-Type: application/json' \**

**--data '{**

**"bookId": "6596f930d6f16b1279ea7a46",**

**"readerId": "6596ee40dbc95769b2758db0",**

**"loanDate": "2022-01-10",**

**"dueDate": "2022-02-10",**

**"returnDate": "2022-02-05"**

**}'**

* **Body (Json):**

{

  "bookId": "6596f930d6f16b1279ea7a46",

  "readerId": "6596ee40dbc95769b2758db0",

  "loanDate": "2022-01-10",

  "dueDate": "2022-02-10",

  "returnDate": "2022-02-05"

}

* **@PutMapping("/loans/{loanId}")**
* **Postman request:** [**http://localhost:8080/loans /6596f867d6f16b1279ea7a44**](http://localhost:8080/loans%20/6596f867d6f16b1279ea7a44)
* **curl --location --request PUT 'http://localhost:8080/loans /6596c053e097d5282dfd4e47' \**

**--header 'Content-Type: application/json' \**

**--data '{**

**"bookId": "6596f930d6f16b1279ea7a46",**

**"readerId": "6596ee40dbc95769b2758db0",**

**"loanDate": "2022-01-10",**

**"dueDate": "2022-02-10",**

**"returnDate": "2022-02-05"**

**}'**

* **Body (Json):**

{

  "bookId": "6596f930d6f16b1279ea7a46",

  "readerId": "6596ee40dbc95769b2758db0",

  "loanDate": "2022-01-10",

  "dueDate": "2022-02-10",

  "returnDate": "2022-02-05"

}

* **@DeleteMapping("/loans/{loanId}")**
* **Postman request:** [**http://localhost:8080/loans /6596f867d6f16b1279ea7a44**](http://localhost:8080/loans%20/6596f867d6f16b1279ea7a44)
* **curl --location --request DELETE 'http://localhost:8080/readers/6596c6172dd9af7d18f498c1' \**

**--data ''**

**Join**

* **Between Category and Book**

**O imagine care conține text, captură de ecran, software

Descriere generată automat**

* **Testing**

**O imagine care conține text, captură de ecran, software

Descriere generată automat**

* **Result**

**O imagine care conține text, Font, captură de ecran

Descriere generată automat**

**One-Many**

* **Between Author and Book**

**O imagine care conține text, captură de ecran, Font

Descriere generată automat O imagine care conține text, captură de ecran, Font

Descriere generată automat**

* **Testing**

**O imagine care conține text, captură de ecran, software, Software multimedia

Descriere generată automat**