

## 5. List books:

- End Point : `<https://www.mylibrarycatalog.com:8080/books>`
- URI Design: `<https://www.mylibrarycatalog.com:8080/books>`  
`<https://www.mylibrarycatalog.com:8080/books?page={number}>`

### Request

GET /books  
GET /books?page=3

### Response

HTTP/2.0 200 OK

Content-Type: application/json; charset=UTF-8  
Cache-Control: max-age=3600, must-revalidate  
Expires: Mon, XX xxx 20XX XX:XX:XX GMT  
...

```
{
  "pagination-count": "10",
  "pagination-page": "3",
  "pagination-limit": "6",
  "books": [
    {
      "ID": "123",
      "bookshelf_ID": "456",
      "title": "My Book",
      "author": "John Doe",
      "category": "Book Category",
      "publication-year": "19XX",
      "number-of-pages": "100",
      "language": "English",
      "is-available": "true",
      "cover-front":
        "http://myhost/coverF.png",
      "cover-back":
        "http://myhost/coverB.png",
      "borrow-book":
        "/books/123?isBorrow=true",
      "free-book":
        "/books/123?isAvailable=true"
    },
    ...
  ]
}
```

```
<books>
  <pagination-count>10</pagination-count>
  <pagination-page>3</pagination-page>
  <pagination-limit>6</pagination-limit>
  <book>
    <ID>123</ID>
    <bookshelf_ID>456</bookshelf_ID>
    <title>My Book</title>
    <author>John Doe</author>
    <category>Book Category</category>
    <publication-year>19XX</publication-year>
    <number-of-pages>100</number-of-pages>
    <language>English</language>
    <is-available>true</is-available>
    <cover-front>http://myhost/coverF.png
    </cover-front>
    <cover-back>http://myhost/coverB.png
    </cover-back>
    <borrow-book>/books/123?isBorrow=true
    </borrow-book>
    <free-book>/books/123?isAvailable=true
    </free-book>
  </book>
  ...
</books>
```

## 6. List books (filter):

- End Point : <https://www.mylibrarycatalog.com:8080/books>
- URI Design: <https://www.mylibrarycatalog.com:8080/books?title={string}&author={string}&category={string}>  
<https://www.mylibrarycatalog.com:8080/books?title={string}&author={string}&category={string}&page={number}>

### Request

```
GET /books?title={string}&author={string}&category={string}
GET /books?title={string}&author={string}&category={string}&page=2
```

### Response

HTTP/2.0 200 OK

Content-Type: application/json; charset=UTF-8  
Cache-Control: max-age=3600, must-revalidate  
Expires: Mon, XX xxx 20XX XX:XX:XX GMT  
...

```
{
  "pagination-count": "3",
  "pagination-page": "2",
  "pagination-limit": "6",
  "books": [
    {
      "ID": "123",
      "bookshelf_ID": "456",
      "title": "My Book",
      "author": "John Doe",
      "category": "Book Category",
      "publication-year": "19XX",
      "number-of-pages": "100",
      "language": "English",
      "is-available": "true",
      "cover-front":
        "http://myhost/coverF.png",
      "cover-back":
        "http://myhost/coverB.png",
      "borrow-book":
        "/books/123?isBorrow=true",
      "free-book":
        "/books/123?isAvailable=true"
    },
    ...
  ]
}
```

```
<books>
  <pagination-count>3</pagination-count>
  <pagination-page>2</pagination-page>
  <pagination-limit>6</pagination-limit>
  <book>
    <ID>123</ID>
    <bookshelf_ID>456</bookshelf_ID>
    <title>My Book</title>
    <author>John Doe</author>
    <category>Book Category</category>
    <publication-year>19XX</publication-year>
    <number-of-pages>100</number-of-pages>
    <language>English</language>
    <is-available>true</is-available>
    <cover-front>http://myhost/coverF.png
    </cover-front>
    <cover-back>http://myhost/coverB.png
    </cover-back>
    <borrow-book>/books/123?isBorrow=true
    </borrow-book>
    <free-book>/books/123?isAvailable=true
    </free-book>
  </book>
  ...
</books>
```