How To Run Application:

1. Authentication to get token:
   1. Create new request with (Get) Http method
   2. URL is ‘localhost:8090/csrf’
   3. In Authorization tab select basic Auth type and put username:’admin’ and password:’asdfghjklqwertyuio’

This will return response such as

{

    "token": "50146a77-5ed2-4830-a46a-66d02b871db2",

    "parameterName": "\_csrf",

    "headerName": "X-XSRF-TOKEN"

}

1. Access the endpoints:
   1. Create new request
   2. In Authorization tab select basic Auth type and put username:’admin’ and password:’asdfghjklqwertyuio’
   3. In Headers tab add   
      Key: headerName that returned from csrf API such as (X-XSRF-TOKEN)  
      Value: the token that returned from csrf API such as (50146a77-5ed2-4830-a46a-66d02b871db2)
   4. And make Http method (GET,POST,PUT,DELETE)
   5. For URL: localhost:8090/api/\*\*

**BookController**

To getAllBooks Request:  
 GET localhost:8090/api/books

To getBookByID Request:  
 GET localhost:8090/api/books/{id}

To addNewBook Request:  
 POST localhost:8090/api/books

{

    "id": 1007,

    "title": "All Tan",

    "author": "Roser",

    "publicationYear": "1978",

    "borrowed": 0,

    "patron": null,

    "isbn": "978-3161484894"

}

To updateBook Request: (the id in url must be the same as in body)  
 PUT localhost:8090/api/books/{id}

{

    "id": 1007,

    "title": "Tan",

    "author": "Roser",

    "publicationYear": "1978",

    "borrowed": 0,

    "patron": null,

    "isbn": "978-3161484894"

}

To deleteBook Request:   
 DELETE localhost:8090/api/books/{id}

**PatronController**

To getAllPatrons Request:  
 GET localhost:8090/api/patrons

To getPatronByID Request:  
 GET localhost:8090/api/patrons/{id}

To addNewPatron Request:  
 POST localhost:8090/api/patrons

{

    "id": 2002,

    "name": "John Doe",

    "contactInformation": "+01214748364 - john@gmail.com",

}

To updatePatron Request: (the id in url must be the same as in body)  
 PUT localhost:8090/api/patrons/{id}

{

    "id": 2002,

    "name": "Doe",

    "contactInformation": "+01214748364 - john@gmail.com",

}

To deleteBook Request:   
 DELETE localhost:8090/api/patrons/{id}

**borrowingController**

to borrowBook Request: (the bookId and patronId in url must be the same as in body)

POST localhost:8090/api/borrow/{bookId}/patron/{patronId}

{

    "id": 3600,

    "bookID": 1003,

    "patronID": 2005,

    "borrowingDate": "2024-04-09",

    "returnDate": "2024-05-01"

}

to returnBook Request: (the bookId and patronId in url must be the same as in body)

PUT localhost:8090/api/return/{bookId}/patron/{patronId}

{

    "id": 3600,

    "bookID": 1003,

    "patronID": 2005,

    "borrowingDate": "2024-04-09",

    "returnDate": "2024-05-01"

}