**Library API :**

BaseURI : http://216.10.245.166

1. **Resource** : Library/Addbook.php       **Method** : POST

**Input Payload : Json**:

{

"name":"Learn Appium Automation with Java",

"isbn":"bcd",

"aisle":"227",

"author":"John foe"

}

**Output Json**

{

"Msg": "successfully added",

"ID": "bcd227"

}

Or

{

"msg": "Add Book operation failed, looks like the book already exists"

}

1. **Resource** : /Library/GetBook.php?AuthorName=somename **Method** : GET

**Output Json** :

Output the array of Json object books with all below  details

{

Name : “bookname”   ( String)

Isbn :  “A2fdsf”   (String)

Aisle : 32 (Integer)

}

Or

{

"msg": "The book by requested bookid / author name does not exists!"

}

1. **Resource** : Library/GetBook.php?ID=3389      - **Method** : GET

**Output Json :**

[

{

"book\_name": "Learn Appium Automation with Java",

"isbn": "bcd",

"aisle": "337",

"author": "John foe"

}

]

Or

{

"msg": "The book by requested bookid / author name does not exists!"

}

1. **Resource** :/Library/DeleteBook.php      **Method** : POST

**Input Payload : Json:**

{

"ID" : "a23h345122332"

}

**Output Response** :

{  
  
msg : book is successfully deleted”

}

Or

{

"msg": "Delete Book operation failed, looks like the book doesnt exists"

}

**Advanced Payload Creation Strategies:**

* Dynamically build json payload with external data inputs (AddBook(String isbn, int aisle, String Auth. name)) + CreateBook +DeleteBook
* Parameterize the API Tests with multiple data sets (@DataProvider(name=”BooksData”); @Test(dataProvider = “BooksData”)) +CreateBook + DeleteBook
* How to send static Json files(payload) directly into Post Method of Rest Assured (readAllBytes(Path) -> Convert Bytes to String -> feed it in the request)
* Feed Json payload from Using Excel using HashMap