ZSS Challenge Documentation

**Business Logic**

1. Add new BOOK
2. Add new Category
3. Purchase Book
   1. Add your book to CART
   2. Pay Book

**Create books**

<http://localhost:8080/api/v1/Book_Add>

|  |  |
| --- | --- |
| Method | POST |

NB

Books Belong to valid Categories

Create Category First and assign a **valid Id from Category** to a book

|  |  |
| --- | --- |
| Sample Request | Sample Response |
| {      "title": "Pre-School Day 1",      "description": "Pre School Book",      "price": 20.25,      "purchase\_status": "Available",      "created\_by": "Alfred",      "created\_date": "2022-01-17T00:00:00.000+00:00",      "category": 0  } | {      "id": 80,      "title": "Pre-School Day 1",      "description": "Pre School Book",      "price": 20.25,      "purchase\_status": "Available",      "created\_by": "Alfred",      "created\_date": "2022-01-17T00:00:00.000+00:00",      "category": 0,      "purchasereference": null,      "updated": null,      "responseCode": null,      "responseDescription": null,      "debitReference": null  } |

**Create Category**

<http://localhost:8080/api/v1/Category_Add>

|  |  |
| --- | --- |
| Method | POST |

|  |  |
| --- | --- |
| Sample Request | Sample Response |
| {       "category\_code": "Drama001",     "categorytitle": "Drama Queens",     "category\_description": "Drama Books for Level 1 Students",     "created\_by": "Alfred",     "created\_date": "2022-03-08T11:28:39.4+02:00"      } | {      "id": 82,      "category\_code": "Drama001",      "categorytitle": "Drama Queens",      "category\_description": "Drama Books for Level 1 Students",      "created\_by": "Alfred",      "created\_date": "2022-03-08T09:28:39.400+00:00"  } |

**Search Book By Title**

<http://localhost:8080/api/v1/Books_Search_By_Title>

|  |  |
| --- | --- |
| Method | POST |

NB – Search phrase can be even 1 letter

|  |  |
| --- | --- |
| Sample Request | Sample Response |
| {          "title": "School"    } | [      {          "id": 83,          "title": "Pre-School Day 1",          "description": "Pre School Book",          "price": 20.25,          "purchase\_status": "Available",          "created\_by": "Alfred",          "created\_date": "2022-01-17T00:00:00.000+00:00",          "category": 82,          "purchasereference": null,          "updated": null,          "responseCode": null,          "responseDescription": null,          "debitReference": null      }  ] |

**Search Book By Description**

<http://localhost:8080/api/v1/Books_Search_By_Description>

|  |  |
| --- | --- |
| Method | POST |

NB – Search phrase can be even 1 letter

|  |  |
| --- | --- |
| Sample Request | Sample Response |
| {          "description": "School"  } | [      {          "id": 83,          "title": "Pre-School Day 1",          "description": "Pre School Book",          "price": 20.25,          "purchase\_status": "Available",          "created\_by": "Alfred",          "created\_date": "2022-01-17T00:00:00.000+00:00",          "category": 82,          "purchasereference": null,          "updated": null,          "responseCode": null,          "responseDescription": null,          "debitReference": null      }  ] |

**Retrieve Books in a certain category**

<http://localhost:8080/api/v1/Books_By_Category/82>

|  |  |
| --- | --- |
| Method | GET |

NB – Use path variable id (Pass Id from Category Class Model)

|  |  |
| --- | --- |
| Sample Request | Sample Response |
|  | [      {          "id": 83,          "title": "Pre-School Day 1",          "description": "Pre School Book",          "price": 20.25,          "purchase\_status": "Available",          "created\_by": "Alfred",          "created\_date": "2022-01-17T00:00:00.000+00:00",          "category": 82,          "purchasereference": null,          "updated": null,          "responseCode": null,          "responseDescription": null,          "debitReference": null      }  ] |

**Purchase Book**

**Step 1 - Add Book to CART**

<http://localhost:8080/api/v1/Purchase_Book_Step01/49>

|  |  |
| --- | --- |
| Method | PUT |

NB – Use path variable id (Pass Id from Books)

The Book is put in a Pending state and a Payment

|  |  |
| --- | --- |
| Sample Request | Sample Response |
|  | {      "id": 49,      "title": "Little Star",      "description": "Books for children",      "price": "20.25",      "purchase\_status": "Booked - Pending Payment",      "created\_by": "Alfred",      "created\_date": "2022-01-17T00:00:00.000+00:00",      "category": 0,      "purchasereference": "33d0893a-4c0e-49cf-a373-7e67a64ce456",      "updated": "2022-03-08T09:35:48.000+00:00",      "responseCode": "000",      "responseDescription": "Approved",      "debitReference": "d96ec0e4-27c6-4d25-bdd0-343c0f2bfc90"  } |