Donated Books API v1.0.0

<u>Models</u>

File is located at "Book Database/DonatedBooks/Api/models.py".

<u>Book:</u>

A Book object represents a donated book. It appears in the following form

```
{
    "Id": int (auto created),
    "Title": string,
    "AuthorFirstName": string,
    "AuthorLastName": string,
    "Price": float,
    "Quantity": int
}
```

<u>Views</u>

File is located at "Book Database/DonatedBooks/Api/views.py".
These functions represent the endpoints that are hittable by the user.

<u>CreateBook:</u>

URL Path: http://127.0.0.1:8000/CreateBook/
HTTP Method: POST
Returns: HTTP Status
Parameters: JSON string in the form of

```
{
    "Title": "title",
    "AuthorFirstName": "Sally",
    "AuthorLastName": "Johnson",
    "Price": 12.83,
    "Quantity": 1
}
```

DeleteBookById:

URL Path: http://127.0.0.1:8000/DeleteBookById/id/
HTTP Method: DELETE
Returns: HTTP Status
Parameters: id – int

GetBook:

URL Path: http://127.0.0.1:8000/GetBook/title/authorFirstName/authorLastName/
HTTP Method: GET
Returns: HTTP Status or JSON string in the form of
{
    "Id": 1,
    "Title": "title",
    "AuthorFirstName": "Sally",
    "AuthorLastName": "Johnson",
    "Price": 12.83,
    "Quantity": 1
}
Parameters: title – string, authorFirstName – string, authorLastName – string

GetBookById:

URL Path: http://127.0.0.1:8000/GetBookById/id/
HTTP Method: GET
Returns: HTTP Status or JSON string in the form of
{
    "Id": 1,
    "Title": "title",
    "AuthorFirstName": "Sally",
    "AuthorLastName": "Johnson",
    "Price": 12.83,
    "Quantity": 1
}
Parameters: id – int

GetAllBooks:

URL Path: http://127.0.0.1:8000/GetAllBooks/
HTTP Method: GET
Returns: HTTP Status or JSON string in the form of

```
[
    {
        "Id": 1,
        "Title": "title",
        "AuthorFirstName": "Sally",
        "AuthorLastName": "Johnson",
        "Price": 12.83,
        "Quantity": 1
    },
    {
        "Id": 2,
        "Title": "idk",
        "AuthorFirstName": "Sion",
        "AuthorLastName": "Pixley",
        "Price": 43.99,
        "Quantity": 2
    }
]
```

Parameters: None

EditBookById:

URL Path: http://127.0.0.1:8000/EditBookById/id/property/newData/
HTTP Method: PATCH
Returns: HTTP Status
Parameters: id - int, property - string, newData - string
Notes: Cannot edit Id property. If editing the Price or Quantity property, please enter the new price or quantity **as a string** for the newData parameter.

GetSumOfAllBookPrices:

URL Path: http://127.0.0.1:8000/GetSumOfAllBookPrices/
HTTP Method: GET
Returns: HTTP Status or JSON string in the form of
{
    "Total": 123.67
}
Parameters: None

CreateFile:

URL Path: http://127.0.0.1:8000/CreateFile/
HTTP Method: POST
Returns: HTTP Status
Parameters: None
Notes: Creates a .txt file located at "Book Database/DonatedBooks/Books.txt". This file contains a catalog of all the books in the database.