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Donated Books API v1.0.1

Models

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

Book:

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
}
```

Views

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

These functions represent the endpoints that are hittable by the user.

CreateBook:

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.