Midterm Fall 2025

Saubidhya Pandit

301475738

Web Application Development

Julio Azevedo de Carvalho

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SCREENSHOTS:

server.js | package.json | .env | db.js | Book.js | books.js | **New Request** ✕ | .gitignore

POST ▾ | http://localhost:3000/api/books | **Send**

Query | Headers 2 | Auth | **Body** 1 | Tests | Pre Run

JSON | XML | Text | Form | Form-encode | GraphQL | Binary

JSON Content | Format

```json
1  {
2      "title": "The Midnight Library",
3      "author": "Matt Haig",
4      "price": 24.99,
5      "ISBN": "9780525559474",
6      "publicationYear": 2020,
7      "genre": "Fiction",
8      "inStock": true
9  }
```

Status: **201 Created**   Size: **265 Bytes**   Time: **83 ms**

Response | Headers 6 | Cookies | Results | Docs | {} | ≡

```json
1   {
2       "title": "The Midnight Library",
3       "author": "Matt Haig",
4       "price": 24.99,
5       "ISBN": "9780525559474",
6       "publicationYear": 2020,
7       "genre": "Fiction",
8       "inStock": true,
9       "_id": "68f1a4d2fcd181bca2790ae5",
10      "createdAt": "2025-10-17T02:07:14.623Z",
11      "updatedAt": "2025-10-17T02:07:14.623Z",
12      "__v": 0
13  }
```

Response | Chart

PROBLEMS | OUTPUT | **TERMINAL** | PORTS | COMMENTS

TERMINAL

```
Delta compression using up to 10 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 520 bytes | 520.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/Saubidhya/COMP229003-F2025-Midterm-301475738.git
   6df7757..d394c83  main -> main
saubidhya@Saubidhyas-MacBook-Pro Midterm % npm start

> comp229-midterm-bookstore@1.0.0 start
> node server.js

Server is running on port 3000
Access your API at: http://0.0.0.0:3000
MongoDB Connected: ac-1ueuh3s-shard-00-00.0bwcnfu.mongodb.net
```

server.js | package.json | .env | db.js | Book.js | books.js | New Request ✕ | .gitignore

GET | http://localhost:3000/api/books | Send

Query | Headers 2 | Auth | Body | Tests | Pre Run

JSON | XML | Text | Form | Form-encode | GraphQL | Binary

JSON Content   Format

```
1
```

Status: 200 OK   Size: 267 Bytes   Time: 70 ms

Response | Headers 6 | Cookies | Results | Docs | {} | ☰

```json
1  [
2    {
3      "_id": "68f1a4d2fcd181bca2790ae5",
4      "title": "The Midnight Library",
5      "author": "Matt Haig",
6      "price": 24.99,
7      "ISBN": "9780525559474",
8      "publicationYear": 2020,
9      "genre": "Fiction",
10     "inStock": true,
11     "createdAt": "2025-10-17T02:07:14.623Z",
12     "updatedAt": "2025-10-17T02:07:14.623Z",
13     "__v": 0
14   }
15 ]
```

Response | Chart

PROBLEMS | OUTPUT | TERMINAL | PORTS | COMMENTS

> ∨ TERMINAL

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Delta compression using up to 10 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 520 bytes | 520.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
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Server is running on port 3000
Access your API at: http://0.0.0.0:3000
MongoDB Connected: ac-1ueuh3s-shard-00-00.0bwcnfu.mongodb.net
```

JS server.js | {} package.json | ⚙ .env | JS db.js | JS Book.js | JS books.js | TC New Request ✕ | ◆ .gitignore

GET ⌄ | http://localhost:3000/api/books/68f1a4d2fcd181bca2790ae5 | Send

Query | Headers 2 | Auth | Body | Tests | Pre Run

JSON | XML | Text | Form | Form-encode | GraphQL | Binary

JSON Content   Format

```
1
```

Status: 200 OK   Size: 265 Bytes   Time: 67 ms

Response | Headers 6 | Cookies | Results | Docs | {} | ☰

```
1   {
2     "_id": "68f1a4d2fcd181bca2790ae5",
3     "title": "The Midnight Library",
4     "author": "Matt Haig",
5     "price": 24.99,
6     "ISBN": "9780525559474",
7     "publicationYear": 2020,
8     "genre": "Fiction",
9     "inStock": true,
10    "createdAt": "2025-10-17T02:07:14.623Z",
11    "updatedAt": "2025-10-17T02:07:14.623Z",
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Response | Chart

PROBLEMS | OUTPUT | TERMINAL | PORTS | COMMENTS

⌄ TERMINAL

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> node server.js

Server is running on port 3000
Access your API at: http://0.0.0.0:3000
MongoDB Connected: ac-1ueuh3s-shard-00-00.0bwcnfu.mongodb.net
```

PUT ▾   http://localhost:3000/api/books/68f1a4d2fcd181bca2790ae5   **Send**

Query   Headers 2   Auth   Body 1   Tests   Pre Run

JSON   XML   Text   Form   Form-encode   GraphQL   Binary

JSON Content   Format

```json
{
    "title": "Project Hail Mary — Special Edition",
    "author": "Andy Weir",
    "price": 32.99,
    "ISBN": "9780593135204",
    "publicationYear": 2021,
    "genre": "Science Fiction",
    "inStock": false
}
```

Status: 200 OK   Size: 289 Bytes   Time: 82 ms

Response   Headers 6   Cookies   Results   Docs   {}

```json
{
    "_id": "68f1a4d2fcd181bca2790ae5",
    "title": "Project Hail Mary — Special Edition",
    "author": "Andy Weir",
    "price": 32.99,
    "ISBN": "9780593135204",
    "publicationYear": 2021,
    "genre": "Science Fiction",
    "inStock": false,
    "createdAt": "2025-10-17T02:07:14.623Z",
    "updatedAt": "2025-10-17T02:12:37.400Z",
    "__v": 0
}
```

Response   Chart

PROBLEMS   OUTPUT   TERMINAL   PORTS   COMMENTS

TERMINAL

```
Delta compression using up to 10 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 520 bytes | 520.00 KiB/s, done.
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Server is running on port 3000
Access your API at: http://0.0.0.0:3000
MongoDB Connected: ac-1ueuh3s-shard-00-00.0bwcnfu.mongodb.net
```

JS server.js · {} package.json · ⚙ .env · JS db.js · JS Book.js · JS books.js · TC New Request ✕ · ◆ .gitignore

DELETE ⌄ | http://localhost:3000/api/books/68f1a4d2fcd181bca279 | Send

Query · Headers 2 · Auth · Body 1 · Tests · Pre Run

JSON · XML · Text · Form · Form-encode · GraphQL · Binary

JSON Content   Format

```json
1  {
2      "title": "Project Hail Mary – Special Edition",
3      "author": "Andy Weir",
4      "price": 32.99,
5      "ISBN": "9780593135204",
6      "publicationYear": 2021,
7      "genre": "Science Fiction",
8      "inStock": false
9  }
```

Status: 200 OK   Size: 343 Bytes   Time: 71 ms

Response · Headers 6 · Cookies · Results · Docs · {} · ≡

```json
1  {
2      "message": "Book deleted successfully",
3      "deletedBook": {
4          "_id": "68f1a4d2fcd181bca2790ae5",
5          "title": "Project Hail Mary – Special Edition",
6          "author": "Andy Weir",
7          "price": 32.99,
8          "ISBN": "9780593135204",
9          "publicationYear": 2021,
10         "genre": "Science Fiction",
11         "inStock": false,
12         "createdAt": "2025-10-17T02:07:14.623Z",
13         "updatedAt": "2025-10-17T02:12:37.400Z",
14         "__v": 0
15     }
16  }
```

Response   Chart

PROBLEMS · OUTPUT · TERMINAL · PORTS · COMMENTS

TERMINAL

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