REST API USING MONGODB (PYTHON FLASK)

this repository consist of order crud services to add order (POST), get all order or by id (GET), update all order(PUT), update item of order(PATCH), and delete order (DELETE).

1. POST
add new order (status : SUCCESS)

POST	▼	http://127.0.0.1:5000/orders

Params   Authorization   Headers (8)   **Body ●**   Pre-request Script   Tests   Settings

● none   ● form-data   ● x-www-form-urlencoded   ● raw   ● binary   ● GraphQL   JSON ▼

```
 1  {
 2      "transaction_id": "d0090c40-539f-479a-8274-899b9970bddc",
 3      "customer_name": "PT. AMARA PRIMATIGA",
 4      "customer_code": "1678593",
 5      "transaction_amount": "70700",
 6      "transaction_discount": "0",
 7      "transaction_payment_type": "29",
 8      "transaction_additional_field": "",
 9      "transaction_state": "UNPAID",
10      "transaction_code": "CGKFT20200715121",
11      "transaction_order": 121,
12      "location_id": "5cecb20b6c49615b174c3e74",
13      "organization_id": 6,
14      "                     "2000 07 15T11.11.12.0700"
```

Body   Cookies   Headers (4)   Test Results   ⊕   Status: 200 O

Pretty   Raw   Preview   Visualize   JSON ▼   ⇥

```
1  {
2      "id": "5f861d48bad93599bac66235"
3  }
```

2. GET
get/new order list (STATUS : SUCCESS)

GET   ▼   http://127.0.0.1:5000/orders

Params   Authorization   Headers (6)   Body   Pre-request Script   Tests   Settings

Body   Cookies   Headers (4)   Test Results

Pretty   Raw   Preview   Visualize   JSON ▼

```json
1  [
2      {
3  >        "_id": {⋯
5        },
6        "transaction_id": "d0090c40-539f-479a-8274-899b9970bddc",
7        "customer_name": "PT. AMARA PRIMATIGA",
8        "customer_code": "1678593",
9        "transaction_amount": "70700",
10       "transaction_discount": "0",
11       "transaction_payment_type": "29",
12       "transaction_additional_field": "",
13       "transaction_state": "UNPAID",
14       "transaction_code": "CGKFT20200715121",
15       "transaction_order": 121,
16       "location_id": "5cecb20b6c49615b174c3e74",
17       "organization_id": 6,
18       "created_at": "2020-07-15T11:11:12+0700",
19       "updated_at": "2020-07-15T11:11:22+0700",
20       "transaction_payment_type_name": "Invoice",
21       "transaction_cash_amount": 0,
22       "transaction_cash_change": 0,
23       "customer_attribute": {
24           "Nama_Sales": "Radit Fitrawikarsa",
25           "TOP": "14 Hari",
26           "Jenis_Pelanggan": "B2B"
27       },
28       "connote": {
29           "connote_id": "f70670b1-c3ef-4caf-bc4f-eefa702092ed",
30           "connote_number": 1,
31           "connote_service": "ECO",
32           "connote_service_price": 70700,
33           "connote_amount": 70700,
34           "connote_code": "AWB001002000003000"
```

get by ID (status: SUCCESS)

GET ▾ http://127.0.0.1:5000/orders/5f861d48bad93599bac66235

Params   Authorization   Headers (6)   Body   Pre-request Script   Tests   Settings

Body   Cookies   Headers (4)   Test Results

Pretty   Raw   Preview   Visualize   JSON ▾

```json
1   {
2       "_id": {
3           "$oid": "5f861d48bad93599bac66235"
4       },
5       "transaction_id": "d0090c40-539f-479a-8274-899b9970bddc",
6       "customer_name": "PT. AMARA PRIMATIGA",
7       "customer_code": "1678593",
8       "transaction_amount": "70700",
9       "transaction_discount": "0",
10      "transaction_payment_type": "29",
11      "transaction_additional_field": "",
12      "transaction_state": "UNPAID",
13      "transaction_code": "CGKFT20200715121",
14      "transaction_order": 121,
15      "location_id": "5cecb20b6c49615b174c3e74",
16      "organization_id": 6,
17      "created_at": "2020-07-15T11:11:12+0700",
18      "updated_at": "2020-07-15T11:11:22+0700",
19      "transaction_payment_type_name": "Invoice",
20      "transaction_cash_amount": 0,
21      "transaction_cash_change": 0,
22      "customer_attribute": {
23          "Nama_Sales": "Radit Fitrawikarsa",
24          "TOP": "14 Hari",
25          "Jenis_Pelanggan": "B2B"
26      },
27      "connote": {
28          "connote_id": "f70670b1-c3ef-4caf-bc4f-eefa702092ed",
29          "connote_number": 1,
30          "connote_service": "ECO",
31          "connote_service_price": 70700,
32          "connote_amount": 70700,
33          "connote_code": "AWB00100209082020",
34          "connote_booking_code": "",
35          "connote_order": 326931,
36          "connote_state": "PAID"
```

get by id when id not found (status : SUCCESS)

GET	▼	http://127.0.0.1:5000/orders/5f860ff7c0fd033e686ed228

Params   Authorization   Headers (6)   **Body**   Pre-request Script   Tests   Settings

○ none   ○ form-data   ○ x-www-form-urlencoded   ● raw   ○ binary   ○ GraphQL   JSON ▼

```
1  |
```

Body   Cookies   Headers (4)   Test Results

Pretty   Raw   Preview   Visualize   HTML ▼   ⇥

```
1  order id : 5f860ff7c0fd033e686ed228 not found
```

3. PUT
update order (status: SUCCESS)

PUT	▼	http://127.0.0.1:5000/orders/5f861d48bad93599bac66235

Params   Authorization   Headers (8)   **Body** ●   Pre-request Script   Tests   Settings

○ none   ○ form-data   ○ x-www-form-urlencoded   ● raw   ○ binary   ○ GraphQL   JSON ▼

```
1  {
2      "transaction_id": "d0090c40-539f-479a-8274-899b9970bddc",
3      "customer_name": "PT. PRIMATIGA",
4      "customer_code": "1678593",
5      "transaction_amount": "70700",
6      "transaction_discount": "0",
7      "transaction_payment_type": "29",
8      "transaction_additional_field": "",
9      "transaction_state": "UNPAID",
10     "transaction_code": "CGKFT20200715121",
11     "transaction_order": 121
```

Body   Cookies   Headers (4)   Test Results

Pretty   Raw   Preview   Visualize   HTML ▼   ⇥

```
1  order id : 5f861d48bad93599bac66235 has been updated
```

when update failed because of id or item key didn't match (status: SUCCESS)

PUT ▼ http://127.0.0.1:5000/orders/5f861d48bad93599bac66235

Params   Authorization   Headers (8)   Body ●   Pre-request Script   Tests   Settings

● none ● form-data ● x-www-form-urlencoded ● raw ● binary ● GraphQL   JSON ▼

```
1  {
2      "transaction_id": "d0090c40-539f-479a-8274-899b9970bddc",
3      "customer_name": "PT. PRIMATIGA",
4      "customer_code": "1678593",
5      "transaction_amount": "70700",
6      "transaction_": "0",
7      "transaction_payment_type": "29",
8      "transaction_additional_field": "",
9      "transaction_state": "UNPAID",
10     "transaction_code": "CGKFT20200715121",
11     "transaction_order": 121
```

Body   Cookies   Headers (4)   Test Results

Pretty   Raw   Preview   Visualize   HTML ▼   ⇥

```
1   order id : 5f861d48bad93599bac66235 or item not match
```

4. PATCH
update item dari sebuah order yang terdaftar (status: SUCCESS)

PATCH ▼ http://127.0.0.1:5000/orders/5f860ff7c0fd033e686ed228

Params   Authorization   Headers (8)   Body ●   Pre-request Script   Tests

● none ● form-data ● x-www-form-urlencoded ● raw ● binary ● GraphQ
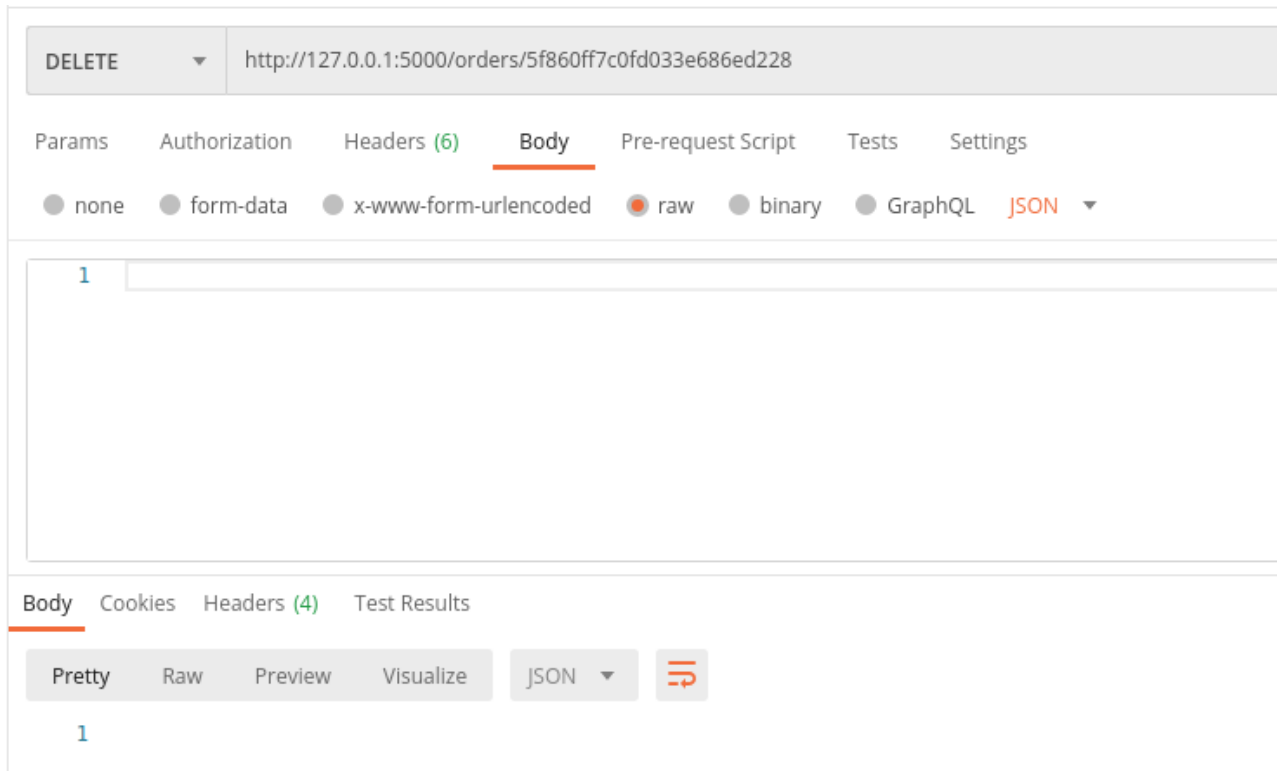
```
1  {
2      "transaction_state": "UNPAID"
3  }
```

Body   Cookies   Headers (4)   Test Results

Pretty   Raw   Preview   Visualize   HTML ▼   ⇥

```
1   item id : 5f860ff7c0fd033e686ed228 has been updated
```

GET ▼ http://127.0.0.1:5000/orders/5f860ff7c0fd033e686ed228

Params   Authorization   Headers (8)   Body ●   Pre-request Script

● none   ● form-data   ● x-www-form-urlencoded   ● raw   ● binary

1   {
2   "transaction_state": "UNPAID"
3   }

ody   Cookies   Headers (4)   Test Results

Pretty   Raw   Preview   Visualize   JSON ▼   ⇥

12   "transaction_state": "UNPAID",

patch gagal ketika id tidak match (status: SUCCESS)

PATCH ▼ http://127.0.0.1:5000/orders/5f860ff7c0fd033e686ed228

Params   Authorization   Headers (8)   Body ●   Pre-request Script   Tests

● none   ● form-data   ● x-www-form-urlencoded   ● raw   ● binary   ● GraphQ

1   {
2   "transaction_state": "UNPAID"
3   }

Body   Cookies   Headers (4)   Test Results

Pretty   Raw   Preview   Visualize   HTML ▼   ⇥

1   item id : 5f860ff7c0fd033e686ed228 has been updated

5. DELETE
delete by id (status: SUCCESS)

UNITTEST
unittest yang dilakukan ada 7 jenis,
(response empty, get all order, get order by id, delete order by id, put order by id, patch order by id, add order)

PUT DAN PATCH
put dan path pada dasarnya protokol http yang memiliki fugsi sama yaitu untuk update field atau resources. Yang berbeda adalah input awal yang diberikan. Put request, entitas entitas yang kita berikan dianggap sebagai modifikasi sumber awal sehingga dilakukan update atau pembaharuan terhadap data yang tersimpan sesuai entitas yang diberikan.

Pada patch, hanya entitas yang terlampir lah yang akan mengalami pembaharuan. Sehinggal request client terhadap server dilakukan persis dengan data request tersebut.

Yang menjadi pembeda unik adalah. Ketika kita memberi request PUT maka entitas yang kita sediakan harus sama lengkapnya dengan field-field entitas yang tersimpang. Sedangkan patch hanya perlu entitas yang ingin diubah.

PUT

GET ▾ http://127.0.0.1:5000/orders/5f861d48bad93599bac66235

Params   Authorization   Headers (8)   Body ●   Pre-request Script   Tests

○ none   ○ form-data   ○ x-www-form-urlencoded   ● raw   ○ binary   ○ GraphQI

```
1  {
2      "transaction_id": "d0090c40-539f-479a-8274-899b9970bddc",
3      "customer_name": "PT. PRIMATIGA",
4      "customer_code": "1678593",
5      "transaction_amount": "70700",
6      "transaction_discount": "0",
7      "transaction_payment_type": "29",
8      "transaction_additional_field": "",
9      "transaction_state": "UNPAID",
10     "transaction_code": "CGKFT20200715121",
11     "transaction_order": 121
```

Body   Cookies   Headers (4)   Test Results

Pretty   Raw   Preview   Visualize   JSON ▾   ⇥

```
1  {
2      "_id": {
3          "$oid": "5f861d48bad93599bac66235"
4      },
5      "transaction_id": "d0090c40-539f-479a-8274-899b9970bddc",
6      "customer_name": "PT. PRIMATIGA",
7      "customer_code": "1678593",
8      "transaction_amount": "70700",
```

PATCH

GET ▾ http://127.0.0.1:5000/orders/5f860ff7c0fd033e686ed228

Params   Authorization   Headers (8)   Body ●   Pre-request Script

○ none   ○ form-data   ○ x-www-form-urlencoded   ● raw   ○ binary

```
1  {
2      "transaction_state": "UNPAID"
3  }
```

ody   Cookies   Headers (4)   Test Results

Pretty   Raw   Preview   Visualize   JSON ▾   ⇥

```
12     "transaction_state": "UNPAID",
```