1. Controller insert detail

```php
public function storeDetail(Request $req)
{
    if(Auth::user()->level="petugas") {
        $validator = Validator::make ($req->all(),
            [
                'id_peminjaman'=>'required',
                'id_buku'=>'required',
                'qty'=>'required'
            ]
        );
        if($validator->fails()){
            return Response()->json($validator->errors());
        } else {
            $simpan = DetailModel::create([
                'id_peminjaman'=>$req->id_peminjaman,
                'id_buku'=>$req->id_buku,
                'qty'=>$req->qty
            ]);

            if($simpan){
                $status="1";
                $message="Data berhasil ditambahkan!";
            } else {
                $status ="0";
                $message="Data tidak berhasil ditambahkan";
            }

            return Response()->json(compact('status', 'message'));
        }
    } else {
        echo "Maaf, data hanya dapat diakses oleh petugas.";
    }
}
```

2. Controller update detail

```php
public function updateDetail($id, Request $req){
    if(Auth::user()->level=="petugas") {
    $validator=Validator::make($req->all(),
        [
            'id_peminjaman'=>'required',
            'id_buku'=>'required',
            'qty'=>'required',

        ]
    );
    if($validator->fails()){
        return Response()->json($validator->errors());
    }
    $change=DetailModel::where('id', $id)->update([
            'id_peminjaman'=>$req->id_peminjaman,
            'id_buku'=>$req->id_buku,
            'qty'=>$req->qty
    ]);

    if($change){
        $status="1";
        $message="Data berhasil diubah!";
    } else {
        $status="0";
        $message="Data tidak berhasil diubah";
    }
        return Response()->json(compact('status','message'));
else {
echo "Maaf, data hanya dapat diakses oleh petugas.";

}
```

3. Controller delete detail

```php
public function destroyDetail($id){
    if(Auth::user()->level=="petugas") {
        $delete=DetailModel::where('id', $id)->delete();
        if($delete){
            $status="1";
            $message="Data berhasil dihapus!";
        } else {
            $status="0";
            $message="Data tidak berhasil dihapus";
        }
        return Response()->json(compact('status','message'));
    } else {
        echo "Maaf, data hanya dapat diakses oleh petugas.";
    }
}
```

4. Controller tampil detail dan join

```php
public function transaksi($id){
    $peminjaman = DB::table('peminjaman')
    ->join('anggota', 'anggota.id', '=', 'peminjaman.id_anggota')
    ->select('peminjaman.id', 'peminjaman.id_anggota', 'anggota.nama_anggota',
        'peminjaman.id_petugas', 'peminjaman.tgl_pinjam', 'peminjaman.deadline',
        'peminjaman.tgl_kembali', 'peminjaman.denda')
    ->where('peminjaman.id', $id)
    ->get();

    $data=array();
    foreach ($peminjaman as $p){
        $ok = DetailModel::where('id_peminjaman', $p->id)->get();

        $arr_detail = array();
        foreach ($ok as $ok){
            $arr_detail[]=array(
                'id_peminjaman'=> $ok->id_peminjaman,
                'id_buku'=>$ok->id_buku,
                'qty'=>$ok->qty
            );
        }

        $data[]=array(
            'id' => $p->id,
            'id_anggota'=>$p->id_anggota,
            'nama_anggota'=>$p->nama_anggota,
            'id_petugas'=>$p->id_petugas,
            'tgl_pinjam'=>$p->tgl_pinjam,
            'deadline'=>$p->deadline,
            'tgl_kembali'=>$p->tgl_kembali,
            'denda'=>$p->denda,
            'detail_buku'=>$arr_detail
        );
    }

    return Response()->json(compact('data'));
}
```

5. DetailModel.php

```php
<?php

namespace App;

use Illuminate\Database\Eloquent\Model;

class DetailModel extends Model
{
    protected $table= "detailpeminjaman";
    protected $primaryKey = "id";
    public $timestamps = false;
    protected $fillable = [
        'id', 'id_peminjaman', 'id_buku', 'qty'
    ];
}
```

6. Insert detail

	POST	▼	http://localhost/perpustakaan/public/api/detail

Params   Authorization   Headers (1)   Body ●   Pre-request Script   Tests

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

	KEY	VALUE
☑	id_peminjaman	3
☑	id_buku	2
☑	qty	2
	Key	Value

Body   Cookies   Headers (11)   Test Results

Pretty   Raw   Preview   JSON ▼

```
1 ▾ {
2      "status": "1",
3      "message": "Data berhasil ditambahkan!"
4   }
```

7. Update detail

http://localhost/perpustakaan/public/api/detail/3

PUT ▼	http://localhost/perpustakaan/public/api/detail/3

Params Authorization Headers (2) **Body ●** Pre-request Script Tests

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

	KEY	VALUE
☑	id_peminjaman	1
☑	id_buku	2
☑	qty	1
	Key	Value

Body Cookies Headers (11) Test Results

Pretty Raw Preview JSON ▼ ⇥

```
1 ▾ {
2      "status": "1",
3      "message": "Data berhasil diubah!"
4 }
```

8. Delete detail

DELETE ▼	http://localhost/perpustakaan/public/api/detail/1

Params Authorization Headers (1) Body Pre-request Script Tests

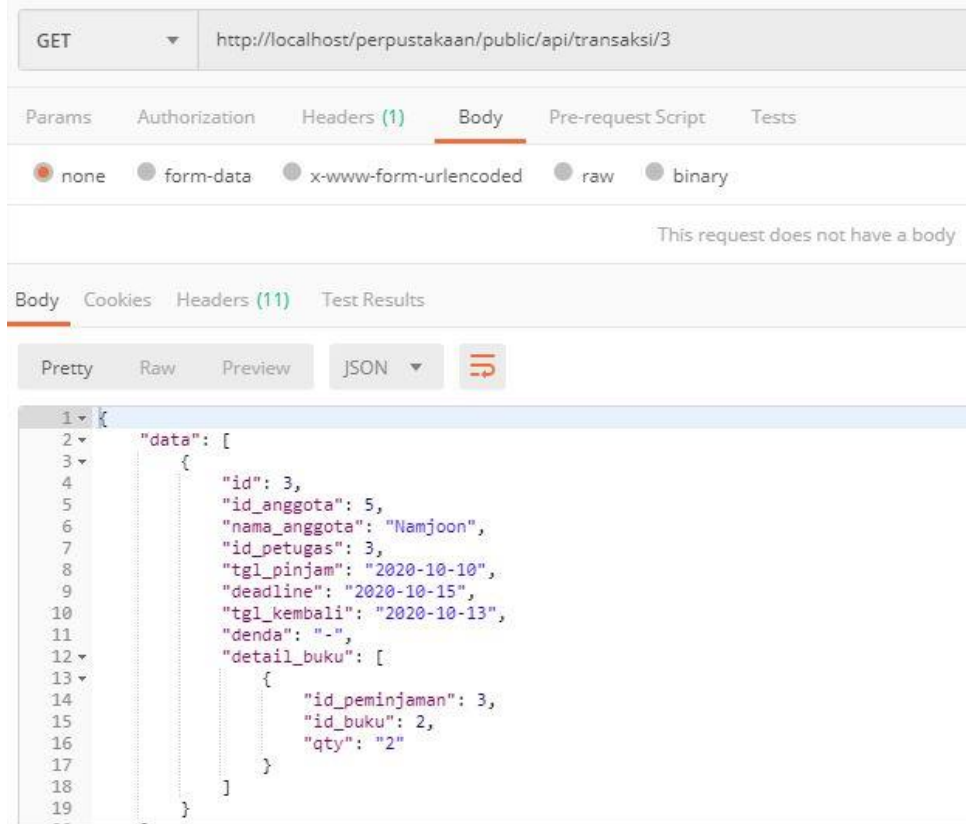|	KEY	VALUE
☑	Authorization	bearereyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJpc3Mi...
	Key	Value

Body Cookies Headers (11) Test Results

Pretty Raw Preview JSON ▼ ⇥

```
1 ▾ {
2      "status": "1",
3      "message": "Data berhasil dihapus!"
4 }
```

9. Transaksi dan join anggota

```json
{
    "data": [
        {
            "id": 3,
            "id_anggota": 5,
            "nama_anggota": "Namjoon",
            "id_petugas": 3,
            "tgl_pinjam": "2020-10-10",
            "deadline": "2020-10-15",
            "tgl_kembali": "2020-10-13",
            "denda": "-",
            "detail_buku": [
                {
                    "id_peminjaman": 3,
                    "id_buku": 2,
                    "qty": "2"
                }
            ]
        }
```

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