Tugas 6 Transaksi Peminjaman Buku

1. Controller

- Peminjaman

```php
<?php

namespace App\Http\Controllers;

use Illuminate\Http\Request;
use Auth;
use App\Peminjaman;
use App\Buku_model;
use App\detail_pinjam;
use JWTAuth;
use DB;
use Illuminate\Support\Facades\Validator;
use Tymon\JWTAuth\Exceptions\JWTException;

class peminjamancontroller extends Controller
{
    public function index(){
    if(Auth::user()->level=="admin"){
      $peminjaman=DB::table('peminjaman')
      ->join('anggota','anggota.id','=','peminjaman.id_anggota')
      ->join('petugas','petugas.id','=','peminjaman.id_petugas')
      ->select('peminjaman.id','peminjaman.id_anggota','anggota.nama_anggota',
      'peminjaman.id_petugas','peminjaman.tgl_pinjam','peminjaman.deadline','peminjaman.denda')
      ->get();

      $data=array();
      foreach ($peminjaman as $dt_pj){
        $ok=detail_pinjam::where('id_pinjam',$dt_pj->id)->get();
        $arr_detail=array();
        foreach ($ok as $ok) {
          $arr_detail[]=array(
          'id_pinjam' =>$ok->id_pinjam,
          'id_buku' => $ok->id_buku,
          'qty' => $ok->qty
          );
        }

        $data[]=array(
          'id' => $dt_pj->id,
          'id_anggota' => $dt_pj->id_anggota,
          'nama_anggota' => $dt_pj->nama_anggota,
          'id_petugas' => $dt_pj->id_petugas,
          'tgl_pinjam' => $dt_pj->tgl_pinjam,
          'deadline' => $dt_pj->deadline,
          'denda' => $dt_pj->denda,
          'detail_pinjam' => $arr_detail
        );
      }
      return response()->json(compact('data'));
    } else{
      return response()->json(['status'=>'anda bukan admin']);
    }
    }

    public function store(Request $request){
      $validator=Validator::make($request->all(),
        [
          'id_anggota'=>'required',
          'id_petugas'=>'required',
          'tgl_pinjam'=>'required',
          'deadline'=>'required',
          'denda'=>'required'
        ]
      );

      if($validator->fails()){
        return Response()->json($validator->errors());
      }

      $simpan=Peminjaman::create([
        'id_anggota'=>$request->id_anggota,
        'id_petugas'=>$request->id_petugas,
        'tgl_pinjam'=>$request->tgl_pinjam,
```

```php
            'tgl_pinjam'=>$request->tgl_pinjam,
            'deadline'=>$request->deadline,
            'denda'=>$request->denda
        ]);
        $status=1;
        $message="Peminjaman Berhasil Ditambahkan";
        if($simpan){
            return Response()->json(compact('status','message'));
        }else {
            return Response()->json(['status'=>0]);
        }
    }

    public function update($id,Request $request){
        $validator=Validator::make($request->all(),
            [
                'id_anggota'=>'required',
                'id_petugas'=>'required',
                'tgl_pinjam'=>'required',
                'deadline'=>'required',
                'denda'=>'required'
            ]
        );

        if($validator->fails()){
            return Response()->json($validator->errors());
        }

        $ubah=Peminjaman::where('id',$id)->update([
            'id_anggota'=>$request->id_anggota,
            'id_petugas'=>$request->id_petugas,
            'tgl_pinjam'=>$request->tgl_pinjam,
            'deadline'=>$request->deadline,
            'denda'=>$request->denda
        ]);
        $status=1;
        $message="Peminjaman Berhasil Diubah";
        if($ubah){
            return Response()->json(compact('status','message'));
        }else {
            return Response()->json(['status'=>0]);
        }
    }

    public function tampil_pinjam(){
        $data=DB::table('peminjaman')
        ->join('anggota','anggota.id','=','peminjaman.id_anggota')
        ->join('petugas','petugas.id','=','peminjaman.id_petugas')
        ->select('peminjaman.id','anggota.nama_anggota','anggota.alamat',
        'anggota.telp','petugas.nama_petugas','peminjaman.tgl_pinjam',
        'peminjaman.deadline','peminjaman.denda')
        ->get();
        $count=$data->count();
        $status=1;
        $message="Peminjaman Berhasil ditampilkan";
        return response()->json(compact('data','status','message','count'));
    }

    public function destroy($id){
        $hapus=Peminjaman::where('id',$id)->delete();
        $status=1;
        $message="Peminjaman Berhasil Dihapus";
        if($hapus){
            return Response()->json(compact('status','message'));
        }else {
            return Response()->json(['status'=>0]);
        }
    }

    public function simpan(Request $request){
        $validator=Validator::make($request->all(),
```

```php
143         $validator=Validator::make($request->all(),
144             [
145                 'id_pinjam'=>'required',
146                 'id_buku'=>'required',
147                 'qty'=>'required'
148             ]
149         );
150
151         if($validator->fails()){
152             return Response()->json($validator->errors());
153         }
154
155         $simpan=detail_pinjam::create([
156             'id_pinjam'=>$request->id_pinjam,
157             'id_buku'=>$request->id_buku,
158             'qty'=>$request->qty
159         ]);
160         $status=1;
161         $message="Detail Peminjaman Berhasil Ditambahkan";
162         if($simpan){
163             return Response()->json(compact('status','message'));
164         }else {
165             return Response()->json(['status'=>0]);
166         }
167     }
168
169
170     public function ubah($id,Request $request){
171         $validator=Validator::make($request->all(),
172             [
173                 'id_pinjam'=>'required',
174                 'id_buku'=>'required',
175                 'qty'=>'required'
176             ]
177         );
178
```

2. Model

- Peminjaman

```php
app > peminjaman.php
1   <?php
2
3   namespace App;
4
5   use Illuminate\Database\Eloquent\Model;
6
7   class peminjaman extends Model
8   {
9       protected $table = "peminjaman";
10      protected $primaryKey = "id";
11      protected $fillable = [
12          'tgl_pinjam',
13          'id_anggota',
14          'id_petugas',
15          'deadline',
16          'denda',
17      ];
18      public function Anggota_model(){
19          return $this->belongsTo('App\Anggota_model', 'id_anggota');
20      }
21      public function Petugas_model(){
22          return $this->belongsTo('App\Petugas_model', 'id_petugas');
23      }
24
25      public function detail(){
26          return $this->hasOne('App\detail_pinjam','id');
27      }
28      public $timestamps = false;
29  }
30
```

- Detail_pinjam

```php
app > 🐘 detail_pinjam.php
 1    <?php
 2
 3    namespace App;
 4
 5    use Illuminate\Database\Eloquent\Model;
 6
 7    class detail_pinjam extends Model
 8    {
 9        protected $table="detail_peminjaman";
10        protected $primaryKey="id";
11        protected $fillable = [
12            'id_pinjam',
13            'id_buku',
14            'qty'
15        ];
16
17        public function buku() {
18            return $this->belongsTo('App/Buku', 'id_buku');
19        }
20        public function peminjaman() {
21            return $this->belongsTo('App/Peminjaman', 'id_pinjam');
22        }
23    }
24
```

3. Testing

PEMINJAMAN
- CREATE

- READ

```
GET    localhost/perpustakaan_lrvl/public/api/tampil

Pretty  Raw  Preview  Visualize BETA    JSON

1    {
2        "data": [
3            {
4                "id": 1,
5                "nama_anggota": "Salsabila",
6                "alamat": "Tuban",
7                "telp": "098765432",
8                "nama_petugas": "Salsabila Gemintang",
9                "tgl_pinjam": "2003-02-02",
10               "deadline": "2003-02-04",
11               "denda": "-"
12           },
13           {
14               "id": 2,
15               "nama_anggota": "Ppt",
16               "alamat": "mlgggg",
17               "telp": "08623456678",
18               "nama_petugas": "Puput",
19               "tgl_pinjam": "2019-05-02",
20               "deadline": "2019-05-12",
21               "denda": "30000"
22           }
23       ],
24       "status": 1,
25       "message": "Peminjaman Berhasil ditampilkan",
26       "count": 2
27   }
```

- UPDATE

```
PUT    localhost/perpustakaan_lrvl/public/api/ubah/2

Params  Authorization  Headers (10)  Body  Pre-request Script  Tests  Settings

○ none  ○ form-data  ● x-www-form-urlencoded  ○ raw  ○ binary  ○ GraphQL BETA
```

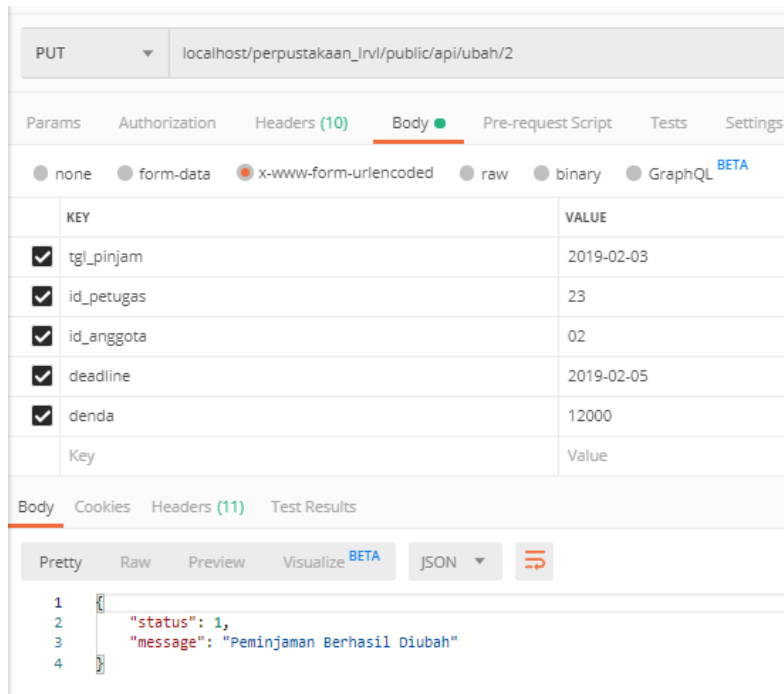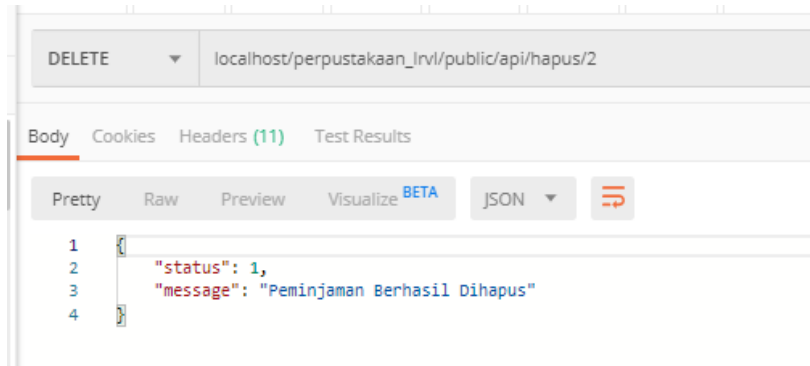| KEY	VALUE
☑ tgl_pinjam	2019-02-03
☑ id_petugas	23
☑ id_anggota	02
☑ deadline	2019-02-05
☑ denda	12000
Key	Value

```
Body  Cookies  Headers (11)  Test Results

Pretty  Raw  Preview  Visualize BETA    JSON

1    {
2        "status": 1,
3        "message": "Peminjaman Berhasil Diubah"
4    }
```
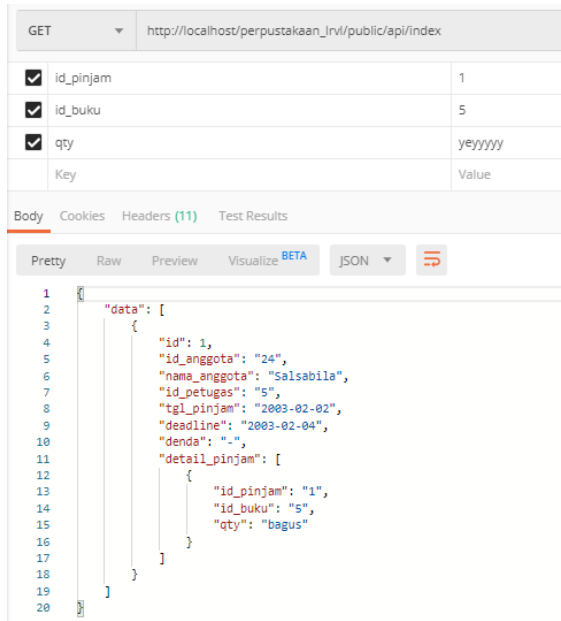
- DELETE


```
1  {
2      "status": 1,
3      "message": "Peminjaman Berhasil Dihapus"
4  }
```

DETAIL PEMINJAMAN

- CREATE


```
1  {
2      "status": 1,
3      "message": "Detail Peminjaman Berhasil Ditambahkan"
4  }
```

- READ


```
1  {
2      "data": [
3          {
4              "id": 1,
5              "id_anggota": "24",
6              "nama_anggota": "Salsabila",
7              "id_petugas": "5",
8              "tgl_pinjam": "2003-02-02",
9              "deadline": "2003-02-04",
10             "denda": "-",
11             "detail_pinjam": [
12                 {
13                     "id_pinjam": "1",
14                     "id_buku": "5",
15                     "qty": "bagus"
16                 }
17             ]
18         }
19     ]
20  }
```
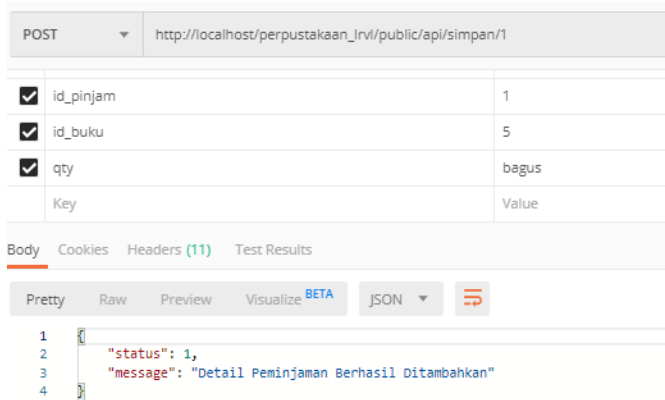
- UPDATE

PUT ▼	http://localhost/perpustakaan_lrvl/public/api/ubah/1

Params   Authorization   Headers (10)   **Body ●**   Pre-request Script   Tests

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

	KEY	VALUE
☑	id_pinjam	5
☑	id_buku	10
☑	qty	woooooo
	Key	Value

Body   Cookies   Headers (11)   Test Results

Pretty   Raw   Preview   Visualize ^BETA   JSON ▼

```
1  {
2      "status": 1,
3      "message": "Detail Peminjaman Berhasil Diubah"
4  }
```

- DELETE

DELETE ▼	http://localhost/perpustakaan_lrvl/public/api/hapus/1

Pretty   Raw   Preview   Visualize ^BETA   JSON ▼

```
1  {
2      "status": 1,
3      "message": "Detail Peminjaman Berhasil Dihapus"
4  }
```