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No : 26/Laravel

## Tugas 6 Transaksi Peminjaman Buku

### 1. Controller

```
Peminjamancontroller.php    detail_peminjaman.php    api.php
1  <?php
2  namespace App\Http\Controllers;
3  use Illuminate\Http\Request;
4  use App\Peminjamanmodel;
5  use App\Buku;
6  use App\detail_peminjaman;
7  use JWTAuth;
8  use DB;
9  use Auth;
10 use Illuminate\Support\Facades\Validator;
11 use Tymon\JWTAuth\Exceptions\JWTException;
12 class Peminjamancontroller extends Controller
13 {
14     public function index(){
15         if(Auth::user()->level=="admin"){
16             $peminjaman=DB::table('peminjaman')
17             ->join('anggota','anggota.id','=', 'peminjaman.id_anggota')
18             ->join('petugas','petugas.id','=', 'peminjaman.id_petugas')
19             ->select('peminjaman.id','peminjaman.id_anggota','peminjaman.id_petugas',
20             'anggota.nama_anggota','peminjaman.tgl_pinjam','peminjaman.tgl_kembali','peminjaman.denda')
21             ->get();
22             $data=array();
23             foreach ($peminjaman as $dt_pj){
24                 $ok=detail_peminjaman::where('id_pinjam',$dt_pj->id)->get();
25                 $arr_detail=array();
26                 foreach ($ok as $ok) {
27                     $arr_detail[]=array(
28                         'id_pinjam' => $ok->id_pinjam,
29                         'id_buku' => $ok->id_buku,
30                         'qty' => $ok->qty
31                     );
32                 }
33                 $data[]=array(
34                     'id' => $dt_pj->id,
35                     'id_anggota' => $dt_pj->id_anggota,
36                     'nama_anggota' => $dt_pj->nama_anggota,
37                     'tgl_pinjam' => $dt_pj->tgl_pinjam,
38                     'tgl_kembali' => $dt_pj->tgl_kembali,
39                     'denda' => $dt_pj->denda,
40                     'detail_peminjaman' => $arr_detail
41                 );
42             }
43             return response()->json(compact('data'));
44         } else{
45             return response()->json(['status'=>'anda bukan admin']);
46         }
47     }
48     public function store(Request $request){
49         $validator=Validator::make($request->all(),
50         [
51             'id_anggota'=>'required',
52             'id_petugas'=>'required',
53             'tgl_pinjam'=>'required',
54             'tgl_kembali'=>'required',
55             'denda'=>'required'
56         ]
57         );
58         if($validator->fails()){
59             return Response()->json($validator->errors());
60         }
61         $simpan=Peminjamanmodel::create([
62             'id_anggota'=>$request->id_anggota,
63             'id_petugas'=>$request->id_petugas,
64             'tgl_pinjam'=>$request->tgl_pinjam,
65             'tgl_kembali'=>$request->tgl_kembali,
```

Peminjamancontroller.php	detail_peminjaman.php
65	'tgl_kembali'=>\$request->tgl_kembali,
66	'denda'=>\$request->denda
67	});
68	\$status=1;
69	\$message="Peminjaman Berhasil Ditambahkan";
70	if(\$simpan){
71	return Response()->json(compact('status','message'));
72	}else {
73	return Response()->json(['status'=>0]);
74	}
75	}
76	public function update(\$id,Request \$request){
77	\$validator=Validator::make(\$request->all(),
78	[
79	'id_anggota'=>'required',
80	'id_petugas'=>'required',
81	'tgl_pinjam'=>'required',
82	'tgl_kembali'=>'required',
83	'denda'=>'required'
84	]
85	);
86	if(\$validator->fails()){
87	return Response()->json(\$validator->errors());
88	}
89	\$ubah=Peminjamanmodel::where('id',\$id)->update([
90	'id_anggota'=>\$request->id_anggota,
91	'id_petugas'=>\$request->id_petugas,
92	'tgl_pinjam'=>\$request->tgl_pinjam,
93	'tgl_kembali'=>\$request->tgl_kembali,
94	'denda'=>\$request->denda
95	]);
96	\$status=1;
97	\$message="Peminjaman Berhasil Diubah";

Peminjamancontroller.php	detail_peminjaman.php	api.php
96		>>\$status=1;
97		\$message="Peminjaman Berhasil Diubah";
98		if(\$ubah){
99		return Response()->json(compact('status','message'));
100		}else {
101		return Response()->json(['status'=>0]);
102		}
103		}
104		public function tampil_pinjam(){
105		\$data=DB::table('peminjaman')
106		->join('anggota','anggota.id','=','peminjaman.id_anggota')
107		->join('petugas','petugas.id','=','peminjaman.id_petugas')
108		->select('peminjaman.id','anggota.nama_anggota','anggota.alamat','anggota.telp',
109		'petugas.nama_petugas','peminjaman.tgl_pinjam','peminjaman.tgl_kembali','peminjaman.denda')
110		->get();
111		\$count=\$data->count();
112		\$status=1;
113		\$message="Peminjaman Berhasil ditampilkan";
114		return response()->json(compact('data','status','message','count'));
115		}
116		public function destroy(\$id){
117		\$hapus=Peminjamanmodel::where('id',\$id)->delete();
118		\$status=1;
119		\$message="Peminjaman Berhasil Dihapus";
120		if(\$hapus){
121		return Response()->json(compact('status','message'));
122		}else {
123		return Response()->json(['status'=>0]);
124		}
125		}
126		public function simpan(Request \$request){
127		\$validator=Validator::make(\$request->all(),
128		[

Peminjamancontroller.php	detail_peminjaman.php
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```

128 [
129     'id_pinjam'=>'required',
130     'id_buku'=>'required',
131     'qty'=>'required'
132 ]
133 };
134 if($validator->fails()){
135     return Response()->json($validator->errors());
136 }
137 $simpan=detail_peminjaman::create([
138     'id_pinjam'=>$request->id_pinjam,
139     'id_buku'=>$request->id_buku,
140     'qty'=>$request->qty
141 ]);
142 $status=1;
143 $message="Detail Peminjaman Berhasil Ditambahkan";
144 if($simpan){
145     return Response()->json(compact('status','message'));
146 }else {
147     return Response()->json(['status'=>0]);
148 }
149 }
150 public function ubah($id,Request $request){
151     $validator=Validator::make($request->all(),
152     [
153         'id_pinjam'=>'required',
154         'id_buku'=>'required',
155         'qty'=>'required'
156     ]
157 );
158
159 if($validator->fails()){
160     return Response()->json($validator->errors());

```

Peminjamancontroller.php	detail_peminjaman.php
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```

155     'qty'=>'required'
156 ]
157 };
158
159 if($validator->fails()){
160     return Response()->json($validator->errors());
161 }
162 $ubah=detail_peminjaman::where('id',$id)->update([
163     'id_pinjam'=>$request->id_pinjam,
164     'id_buku'=>$request->id_buku,
165     'qty'=>$request->qty
166 ]);
167 $status=1;
168 $message="Detail Peminjaman Berhasil Diubah";
169 if($ubah){
170     return Response()->json(compact('status','message'));
171 }else {
172     return Response()->json(['status'=>0]);
173 }
174 }
175 public function hapus($id){
176     $hapus=detail_peminjaman::where('id',$id)->delete();
177     $status=1;
178     $message="Detail Peminjaman Berhasil Dihapus";
179     if($hapus){
180         return Response()->json(compact('status','message'));
181     }else {
182         return Response()->json(['status'=>0]);
183     }
184 }
185 }
186

```

## 2. Model peminjaman

```
Peminjamancontroller.php    detail_peminjaman.php
1  <?php
2
3  namespace App;
4
5  use Illuminate\Database\Eloquent\Model;
6
7  class Peminjamanmodel extends Model
8  {
9      protected $table = "peminjaman";
10     protected $primaryKey = "id";
11     protected $fillable = [
12         'tgl_pinjam',
13         'id_anggota',
14         'id_petugas',
15         'tgl_kembali',
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_peminjaman','id');
27     }
28     public $timestamps = false;
29 }
30
```

### 3. Model detail\_peminjaman

```
Peminjamancontroller.php    detail_peminjaman.php
1  <?php
2
3  namespace App;
4
5  use Illuminate\Database\Eloquent\Model;
6
7  class detail_peminjaman 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
```

### 4. Uji post man peminjaman

- Create

POST localhost/perpustakaan/public/api/simpan

Send Save

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

none form-data x-www-form-urlencoded raw binary GraphQL BETA

KEY	VALUE	DESCRIPTION	...	Bulk Edit
<input checked="" type="checkbox"/> tgl_pinjam	2020-03-02			
<input checked="" type="checkbox"/> id_anggota	2			
<input checked="" type="checkbox"/> id_petugas	2			
<input checked="" type="checkbox"/> tgl_kembali	2020-03-11			
<input checked="" type="checkbox"/> denda	-			
Key	Value	Description		

Body Cookies Headers (11) Test Results Status: 200 OK Time: 702ms Size: 408 B Save Response

Pretty Raw Preview Visualize BETA JSON

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

- Read

GET localhost/perpustakaan/public/api/tampil

Content-Type application/x-www-form-urlencoded

Temporary Headers (8)

Body Cookies Headers (11) Test Results Status: 200 OK Time: 6

Pretty Raw Preview Visualize BETA JSON

```
1 {
2   "data": [
3     {
4       "id": 3,
5       "nama_anggota": "Rija",
6       "alamat": "Magetan",
7       "telp": "12345",
8       "nama_petugas": "Zalfa",
9       "tgl_pinjam": "2020-03-02",
10      "tgl_kembali": "2020-03-12",
11      "denda": "-."
12     }
13   ],
14   "status": 1,
15   "message": "Peminjaman Berhasil ditampilkan",
16   "count": 1
17 }
```

- Update

PUT localhost/perpustakaan/public/api/ubah/1

Send Save

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

none form-data x-www-form-urlencoded raw binary GraphQL BETA

KEY	VALUE	DESCRIPTION	...	Bulk Edit
<input checked="" type="checkbox"/> tgl_pinjam	2020-02-02			
<input checked="" type="checkbox"/> id_anggota	1			
<input checked="" type="checkbox"/> id_petugas	1			
<input checked="" type="checkbox"/> tgl_kembali	2020-02-12			
<input checked="" type="checkbox"/> denda	5000			
Key	Value	Description		

Body Cookies Headers (11) Test Results Status: 200 OK Time: 709ms Size: 403 B Save Response

Pretty Raw Preview Visualize BETA JSON

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

Bootcamp

- Delete

DELETE localhost/perpustakaan/public/api/hapus/2

Send Save

Params Authorization Headers (9) Body Pre-request Script Tests Settings Cookies Code

Headers (1)

KEY	VALUE	DESCRIPTION	...	Bulk Edit	Presets
<input checked="" type="checkbox"/> Authorization	bearer eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJpc3MiOiJ...				X
Key	Value	Description			

Temporary Headers (8)

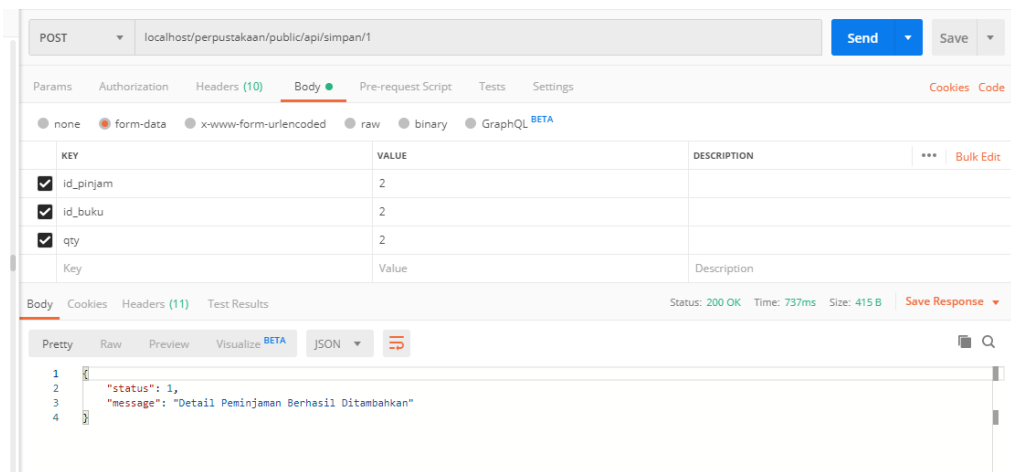
Body Cookies Headers (11) Test Results Status: 200 OK Time: 860ms Size: 404 B Save Response

Pretty Raw Preview Visualize BETA JSON

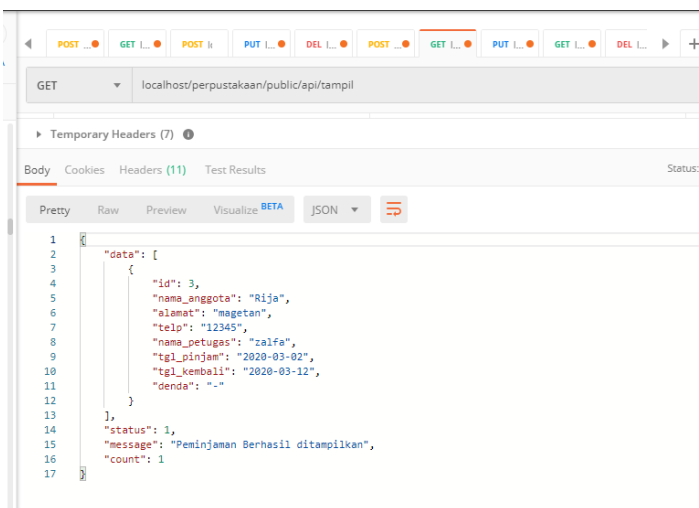
```
1 {
2   "status": 1,
3   "message": "Peminjaman Berhasil Dihapus"
4 }
```

## 5. Uji post man detail\_peminjaman

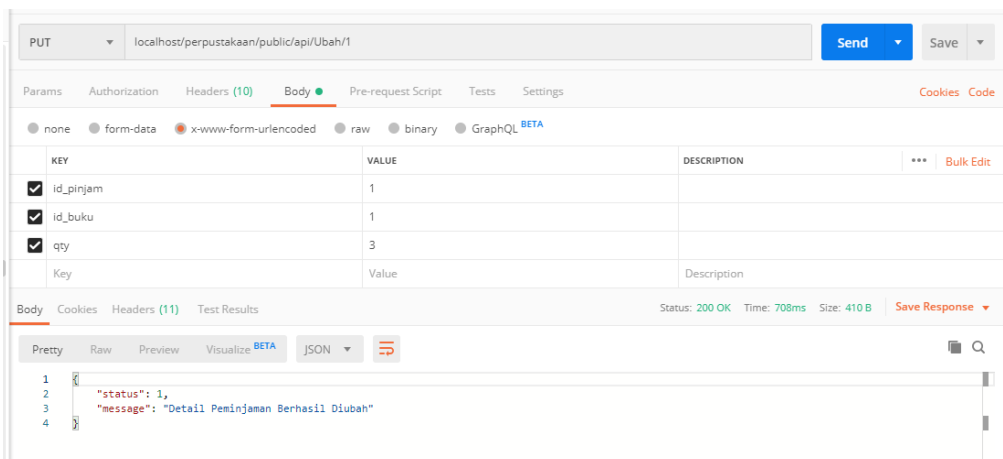
- Create



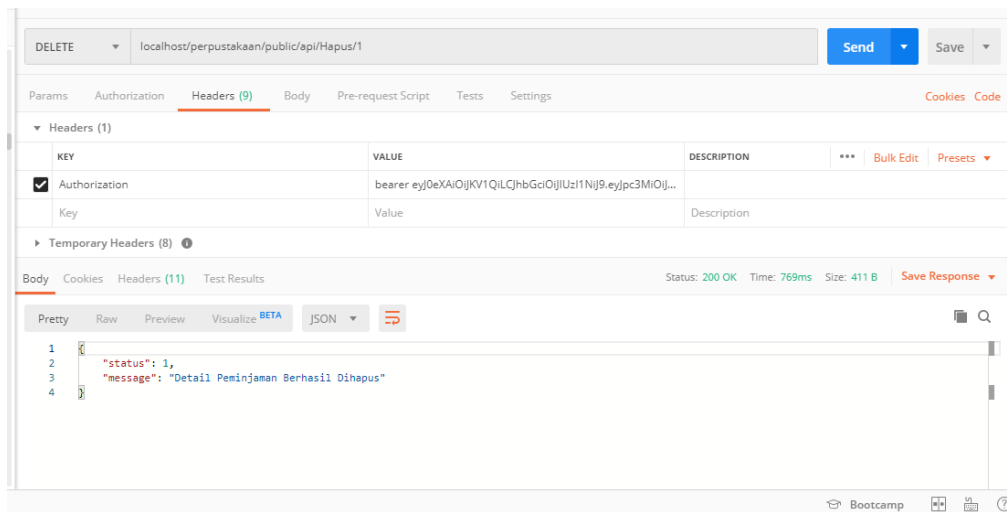
- Read



- Update



- Delete



## 6. Uji post man tampilan get join

