

PERTEMUAN 13
LARAVEL DAN REACTJS (CRUD 1)

PEMROGRAMAN BERBASIS FRAMEWORK



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POLITEKNIK NEGERI MALANG
JURUSAN TEKNOLOGI INFORMASI
PROGRAM STUDI D4 TEKNIK INFORMATIKA

MEI 2021

Membuat CRUD Sederhana Menggunakan Laravel 7 dan React Js

Tools yang Diperlukan

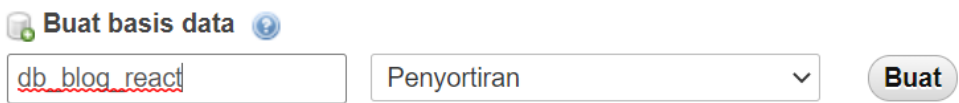
1. Laravel 7
2. Node Js
3. Composer
4. Web Server (Xampp, Wamp, Laragon dll)

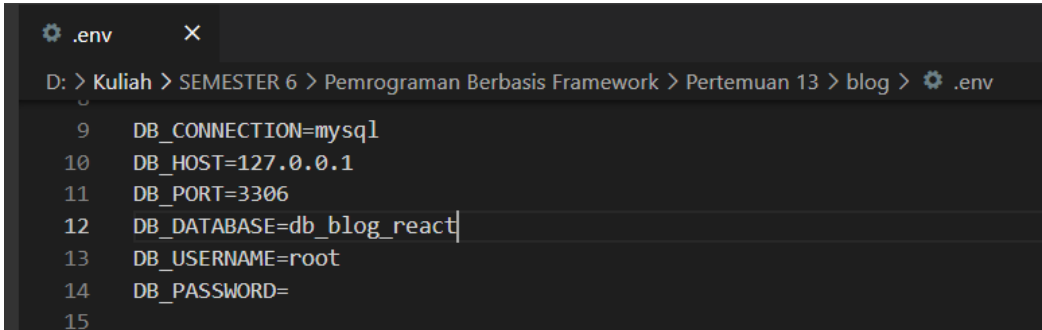
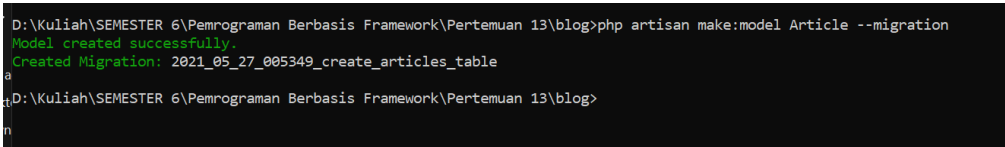

Langkah – Langkah :

1. Step 1 – Install Laravel 7

No	Langkah
1.	Gunakan composer untuk melakukan instalasi Laravel 7
2.	<p>Ketik command berikut ini jika menggunakan Laravel Installer:</p> <pre>composer global require laravel/installer laravel new blog</pre> <p>atau bisa juga menggunakan Composer Create Project seperti command di bawah ini:</p> <pre>composer create-project --prefer-dist laravel/laravel:^7.0 blog</pre> <pre>D:\Kuliah\SEMESTER 6\Pemrograman Berbasis Framework\Pertemuan 13>composer create-project --prefer-dist laravel/laravel:^7.0 blog Creating a "laravel/laravel:7.0" project at "./blog" Installing laravel/laravel (v7.0.0): Extracting archive Created project in D:\Kuliah\SEMESTER 6\Pemrograman Berbasis Framework\Pertemuan 13\blog > @php -r "file_exists('.env') copy('.env.example', '.env');" Loading composer repositories with package information Updating dependencies Lock file operations: 97 installs, 0 updates, 0 removals - Locking asm89/stack-cors (1.3.0) - Locking brick/math (0.9.2) - Locking doctrine/inflector (2.0.3) - Locking doctrine/instantiator (1.4.0) - Locking doctrine/lexer (1.2.1) - Locking dragonmantank/cron-expression (v2.3.1) - Locking egulias/email-validator (2.1.25) - Locking facade/flare-client-php (1.8.0) - Locking facade/ignition (2.9.0) - Locking facade/ignition-contracts (1.0.2) - Locking fideloper/proxy (4.4.1) - Locking filp/whoops (2.12.1) - Locking fruitcake/laravel-cors (v1.0.6) - Locking fzaninotto/faker (v1.9.2) - Locking guzzlehttp/guzzle (6.5.5) - Locking guzzlehttp/promises (1.4.1) - Locking guzzlehttp/psr7 (1.8.2) - Locking hamcrest/hamcrest-php (v2.0.1) - Locking laravel/framework (v7.30.4)</pre>

2. Step 2 – Create Database dan Migration Table

1.	<p>Silahkan buat database baru bernama db_blog_react.</p> 
2.	<p>Kemudian buka file .env yang ada di direktori blog/.env: Cari kode berikut ini di file .env:</p>

	<p>DB_CONNECTION=mysql DB_HOST=127.0.0.1 DB_PORT=3306 DB_DATABASE=laravel DB_USERNAME=root DB_PASSWORD= Ubah menjadi:</p> <p>DB_CONNECTION=mysql DB_HOST=127.0.0.1 DB_PORT=3306 DB_DATABASE=db_blog_react DB_USERNAME=root DB_PASSWORD=</p> 
3.	<p>Masih di direktori project, ketik command berikut untuk membuat Model Article dan Migration-nya:</p> <p><i>php artisan make:model Article --migration</i></p> 
4.	<p>Sekarang buka file Article.php yang ada di dalam direktori app/Article.php dan modifikasi:</p> 

5. Kemudian, buka file *******create_articles_table.php** yang tersimpan di direktori **database/migrations** dan modifikasi seperti kode di bawah ini:

```
2021_05_27_005349_create_articles_table.php 4 X
D: > Kuliah > SEMESTER 6 > Pemrograman Berbasis Framework > Pertemuan 13 > blog > database > migrations > 2021_05_27_005349_create_articles_table.p
1  <?php
2
3  use Illuminate\Database\Migrations\Migration;
4  use Illuminate\Database\Schema\Blueprint;
5  use Illuminate\Support\Facades\Schema;
6
7  class CreateArticlesTable extends Migration
8  {
9      /**
10       * Run the migrations.
11       *
12       * @return void
13       */
14     public function up()
15     {
16         Schema::create('articles', function (Blueprint $table) {
17             $table->bigIncrements('id');
18             $table->string('title');
19             $table->string('content');
20             $table->timestamps();
21         });
22     }
23
24     /**
25      * Reverse the migrations.
26      *
27      * @return void
28      */
29     public function down()
30     {
31         Schema::dropIfExists('articles');
32     }
33 }
34
```

6. Kemudian jalankan command berikut ini agar table yang kita buat migrate ke database:

php artisan migrate

```
D:\Kuliah\SEMESTER 6\Pemrograman Berbasis Framework\Pertemuan 13\blog>php artisan migrate
Migration table created successfully.
Migrating: 2014_10_12_000000_create_users_table
Migrated: 2014_10_12_000000_create_users_table (0.08 seconds)
Migrating: 2019_08_19_000000_create_failed_jobs_table
Migrated: 2019_08_19_000000_create_failed_jobs_table (0.03 seconds)
Migrating: 2021_05_27_005349_create_articles_table
Migrated: 2021_05_27_005349_create_articles_table (0.03 seconds)
```

Tabel	Tindakan	Baris	Jenis	Penyortiran	Ukuran	Beban
<input type="checkbox"/> articles	Jelajahi Struktur Cari Tambahkan Kosongkan Hapus	0	InnoDB	utf8mb4_unicode_ci	16 KB	-
<input type="checkbox"/> failed_jobs	Jelajahi Struktur Cari Tambahkan Kosongkan Hapus	0	InnoDB	utf8mb4_unicode_ci	16 KB	-
<input type="checkbox"/> migrations	Jelajahi Struktur Cari Tambahkan Kosongkan Hapus	3	InnoDB	utf8mb4_unicode_ci	16 KB	-
<input type="checkbox"/> users	Jelajahi Struktur Cari Tambahkan Kosongkan Hapus	0	InnoDB	utf8mb4_unicode_ci	16 KB	-
4 tabel	Jumlah	3	InnoDB	latin1_swedish_ci	64 KB	0 B

3. Step 3 – Setting Route Web dan Api

1. Buka file **routes/web.php** dan silahkan modifikasi:

```
web.php 5 X
D: > Kuliah > SEMESTER 6 > Pemrograman Berbasis Framework > Pertemuan 13 > blog > routes > web.php
1  <?php
2
3  use Illuminate\Support\Facades\Route;
4
5  /*
6  |-----
7  | Web Routes
8  |-----
9  |
10 | Here is where you can register web routes for your application. These
11 | routes are loaded by the RouteServiceProvider within a group which
12 | contains the "web" middleware group. Now create something great!
13 |
14 */
15
16 Route::view('/articles', 'app');
17 Route::view('/article/edit/{id}', 'app');
18 Route::view('/article/{id}', 'app');
19 Route::view('/', 'app');
20 Route::view('/{path}', 'app');
21
```

2. Kemudian buka file **routes/api.php** dan modifikasi menjadi:

```
api.php 6 X
D: > Kuliah > SEMESTER 6 > Pemrograman Berbasis Framework > Pertemuan 13 > blog > routes > api.php
1  <?php
2
3  use Illuminate\Support\Facades\Route;
4
5  /*
6  |-----
7  | API Routes
8  |-----
9  |
10 | Here is where you can register API routes for your application. These
11 | routes are loaded by the RouteServiceProvider within a group which
12 | is assigned the "api" middleware group. Enjoy building your API!
13 |
14 */
15
16 Route::get('/articles', 'ArticleController@index');
17 Route::post('/article/store', 'ArticleController@store');
18 Route::get('/article/edit/{id}', 'ArticleController@getArticle');
19 Route::get('/article/{id}', 'ArticleController@getArticle');
20 Route::put('/article/{id}', 'ArticleController@update');
21 Route::delete('/article/delete/{id}', 'ArticleController@delete');
22
```

4. Step 4 – Buat Controller Article

1. Ketik command di bawah ini untuk membuat controller baru bernama **ArticleController**

php artisan make:controller ArticleController

```
D:\Kuliah\SEMESTER 6\Pemrograman Berbasis Framework\Pertemuan 13\blog>php artisan make:controller ArticleController
Controller created successfully.
```

2. Sekarang buka file **ArticleController.php** yang terdapat di **app/Http/Controllers**.

Kemudian ketik kode berikut ini:

```
ArticleController.php 9+ X
D: > Kuliah > SEMESTER 6 > Pemrograman Berbasis Framework > Pertemuan 13 > blog > app

1  <?php
2
3  namespace App\Http\Controllers;
4
5  use Illuminate\Http\Request;
6
7  class ArticleController extends Controller
8  {
9      public function index()
10     {
11         $articles = \App\Article::all();
12
13         return $articles->toJson();
14     }
15
16     public function store(Request $request)
17     {
18         $validatedData = $request->validate([
19             'title' => 'required',
20             'content' => 'required',
21         ]);
22
23         $project = \App\Article::create([
24             'title' => $validatedData['title'],
25             'content' => $validatedData['content'],
26         ]);
27
28         $msg = [
29             'success' => true,
30             'message' => 'Article created successfully!'
31         ];
32
33         return response()->json($msg);
34     }
35
36     public function getArticle($id) // for edit and show
37     {
38
39         $article = \App\Article::find($id);
40
41         return $article->toJson();
42     }
43
44     public function update(Request $request, $id)
45     {
46         $validatedData = $request->validate([
47             'title' => 'required',
48             'content' => 'required',
49         ]);
50
51         $article = \App\Article::find($id);
52         $article->title = $validatedData['title'];
53         $article->content = $validatedData['content'];
54         $article->save();
55
56         $msg = [
57             'success' => true,
58             'message' => 'Article updated successfully!'
59         ];
60
61         return response()->json($msg);
62     }
63
64     public function delete($id)
65     {
66         $article = \App\Article::find($id);
67         if (empty($article)) {
68             $article->delete();
69             $msg = [
70                 'success' => true,
71                 'message' => 'Article deleted successfully!'
72             ];
73             return response()->json($msg);
74         } else {
75             $msg = [
76                 'success' => false,
77                 'message' => 'Article deleted failed!'
78             ];
79             return response()->json($msg);
80         }
81     }
82 }
```

5. Step 5 – Install Package UI React, React Router Dom dan Sweat Alert

1.	<p>Jika Anda ingin menginstall package React Js, React Router Dom dan Sweat Alert, silahkan dimulai dari install package laravel ui dan laravel ui react berikut ini:</p> <p><i>composer require laravel/ui "2.0"</i></p> <pre>D:\Kuliah\SEMESTER 6\Pemrograman Berbasis Framework\Pertemuan 13\blog>composer require laravel/ui "2.0" ./composer.json has been updated Running composer update laravel/ui Loading composer repositories with package information Updating dependencies Lock file operations: 1 install, 0 updates, 0 removals - Locking laravel/ui (v2.0.0) Writing lock file Installing dependencies from lock file (including require-dev) Package operations: 1 install, 0 updates, 0 removals - Downloading laravel/ui (v2.0.0) - Installing laravel/ui (v2.0.0): Extracting archive Package fzaninotto/faker is abandoned, you should avoid using it. No replacement was suggested. Package phpunit/php-token-stream is abandoned, you should avoid using it. No replacement was suggested. Generating optimized autoload files > Illuminate\Foundation\ComposerScripts::postAutoloadDump > @php artisan package:discover --ansi Discovered Package: facade/ignition Discovered Package: fideloper/proxy Discovered Package: fruitcake/laravel-cors Discovered Package: laravel/tinker Discovered Package: laravel/ui Discovered Package: nesbot/carbon Discovered Package: nunomaduro/collision Package manifest generated successfully. 56 packages you are using are looking for funding. Use the `composer fund` command to find out more! D:\Kuliah\SEMESTER 6\Pemrograman Berbasis Framework\Pertemuan 13\blog></pre>
2.	<p>Kemudian install react js:</p> <p><i>php artisan ui react</i></p> <pre>D:\Kuliah\SEMESTER 6\Pemrograman Berbasis Framework\Pertemuan 13\blog>php artisan ui react React scaffolding installed successfully. Please run "npm install && npm run dev" to compile your fresh scaffolding. D:\Kuliah\SEMESTER 6\Pemrograman Berbasis Framework\Pertemuan 13\blog>_</pre>
3.	<p>Lalu install NodeJsnya:</p> <p><i>npm install && npm run dev</i></p> <pre>D:\Kuliah\SEMESTER 6\Pemrograman Berbasis Framework\Pertemuan 13\blog>npm install && npm run dev npm WARN deprecated popper.js@1.16.1: You can find the new Popper v2 at @popperjs/core, this package is dedicated to the legacy v1 npm WARN deprecated chokidar@2.1.8: Chokidar 2 will break on node v14+. Upgrade to chokidar 3 with 15x less dependencies. npm WARN deprecated axios@0.19.2: Critical security vulnerability fixed in v0.21.1. For more information, see https://github.com/axios/axios/pull/3410 npm WARN deprecated fsevents@1.2.13: fsevents 1 will break on node v14+ and could be using insecure binaries. Upgrade to fsevents 2. npm WARN deprecated urix@0.1.0: Please see https://github.com/lydell/urix#deprecated npm WARN deprecated resolve-url@0.2.1: https://github.com/lydell/resolve-url#deprecated npm WARN deprecated created a lockfile as package-lock.json. You should commit this file. npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.7 (node_modules\chokidar\node_modules\fsevents): npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.13: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"}) npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@2.3.1 (node_modules\watchpack\node_modules\chokidar\node_modules\fsevents): npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@2.3.2: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"}) npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@2.3.1 (node_modules\sass\node_modules\chokidar\node_modules\fsevents): npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@2.3.2: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"}) added 1129 packages from 500 contributors and audited 1133 packages in 88.838s 59 packages are looking for funding run `npm fund` for details found 37 vulnerabilities (36 moderate, 1 high) run `npm audit fix` to fix them, or `npm audit` for details > @ dev D:\Kuliah\SEMESTER 6\Pemrograman Berbasis Framework\Pertemuan 13\blog > npm run development > @ development D:\Kuliah\SEMESTER 6\Pemrograman Berbasis Framework\Pertemuan 13\blog > cross-env NODE_ENV=development node_modules\webpack\bin\webpack.js --progress --hide-modules --config=node_modules\laravel-mix\setup\webpack.config.js 12% building 19/20 modules 1 active ...ules\sass-loader\dist\cjs.js?ref=5-51D:\Kuliah\SEMESTER 6\Pemrograman Berbasis Framework\Pertemuan 13\blog\resources\sass\app.scssD DEPRECATION WARNING: Using / for division is deprecated and will be removed in Dart Sass 2.0.0. Recommendation: math.div(\$spacer, 2) More info and automated migrator: https://sass-lang.com/d/slash-div 302 \$headings-margin-bottom: \$spacer / 2 default; ^^^^^^^^^^^^^</pre>

4.	<p>Kemudian install react router dom nya:</p> <p><i>npm install react-router-dom</i></p> 
5.	<p>terakhir sweat alertnya:</p> <p><i>npm i react-bootstrap-sweetalert</i></p> 

6. Step 6 – Manejement CRUD React Js di Laravel 7

1.	<p>Buat file baru bernama App.js dan simpan di direktori resources/js/components.</p> <p>Ketik kode berikut ini:</p> 
----	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

2. Buat lagi file baru bernama **Header.js** dan simpan di direktori **resources/js/components**.

```
JS Header.js X
resources > js > components > JS Header.js > [🔗] default
1  import React from 'react'
2  import { Link } from 'react-router-dom'
3
4  const Header = () => (
5    <nav className='navbar navbar-dark bg-dark'>
6      <div className='container'>
7        <Link className='navbar-brand' to='/'>Ilmu Coding</Link>
8      </div>
9    </nav>
10  )
11
12  export default Header
```

3. Buat lagi file baru bernama **ArticleIndex.js** dan simpan di direktori **resources/js/components**.

```
JS ArticleIndex.js X
resources > js > components > JS ArticleIndex.js > [🔗] default
1  import axios from 'axios'
2  import React, { Component } from 'react'
3  import { Link } from 'react-router-dom'
4  import SweetAlert from 'react-bootstrap-sweetalert';
5
6  class ArticleIndex extends Component {
7
8    constructor () {
9      super()
10     this.state = {
11       articles: [],
12       msg: null,
13       type: null,
14       flash: false,
15       alert: null,
16     }
17   }
18
19   hideAlert() {
20     this.setState({
21       alert: null
22     });
23   }
24
25   componentDidMount () {
26     axios.get('/api/articles').then(response => {
27       this.setState({
28         articles: response.data
29       })
30     })
31   }
32
33   confirmDelete(id){
34     const getAlert = () => (
35       <SweetAlert
36         warning
37         showCancel
```



```

112 <td width="50" className="text-center">{i + 1}</td>
113 <td>{article.title}</td>
114 <td width="200" className="text-center">
115   <div className="btn-group">
116     <Link
117       className='btn btn-primary'
118       to={` /article/${article.id}`}
119     >Detail
120   </Link>
121   <Link
122     className='btn btn-success'
123     to={` /article/edit/${article.id}`}
124   >Edit
125   </Link>
126   <button
127     className='btn btn-danger'
128     onClick={() => this.confirmDelete(article.id)}
129   >Delete
130   </button>
131   </div>
132 </td>
133 </tr>
134   </tbody>
135 </table>
136 {this.state.alert}
137 </div>
138 </div>
139 </div>
140 </div>
141 </div>
142 </div>
143 </div>
144 )
145 }
146 }
147
148 export default ArticleIndex

```

4. Buat lagi file baru bernama **ArticleCreate.js** dan simpan di direktori **resources/js/components**.

```

JS ArticleCreate.js X
resources > js > components > JS ArticleCreate.js > [0] default
1  import axios from 'axios'
2  import React, { Component } from 'react'
3  import { Link } from 'react-router-dom'
4  import SweetAlert from 'react-bootstrap-sweetalert';
5
6  class ArticleCreate extends Component {
7
8    constructor (props) {
9      super(props)
10     this.state = {
11       title: '',
12       content: '',
13       alert: null,
14       errors: []
15     }
16     this.handleFieldChange = this.handleFieldChange.bind(this)
17     this.handleCreateNewArticle = this.handleCreateNewArticle.bind(this)
18     this.hasErrorFor = this.hasErrorFor.bind(this)
19     this.renderErrorFor = this.renderErrorFor.bind(this)
20   }
21
22   handleFieldChange (event) {
23     this.setState({
24       [event.target.name]: event.target.value
25     })
26   }
27
28   goToHome(){
29     const getAlert = () => (
30       <SweetAlert
31         success
32         title="Success!"
33         onConfirm={() => this.onSuccess() }
34         onCancel={this.hideAlert()}
35         timeout={2000}
36         confirmBtnText="Oke Siap"
37       >

```

```

38         Created article successfully
39     </SweetAlert>
40 );
41 this.setState({
42     alert: getAlert()
43 });
44 }
45
46 onSuccess() {
47     this.props.history.push('/');
48 }
49
50 hideAlert() {
51     this.setState({
52         alert: null
53     });
54 }
55
56 handleCreateNewArticle (event) {
57     event.preventDefault()
58     const article = {
59         title: this.state.title,
60         content: this.state.content
61     }
62     axios.post('/api/article/store', article).then(response => {
63         var msg = response.data.success;
64         if(msg == true){
65             return this.goToHome();
66         }
67     })
68 }
69
70 hasErrorFor (field) {
71     return !!this.state.errors[field]
72 }
73
74 renderErrorFor (field) {
75     if (this.hasErrorFor(field)) {
76         return (
77             <span className='invalid-feedback'>
78                 <strong>{this.state.errors[field][0]}</strong>
79             </span>
80         )
81     }
82 }
83
84 render () {
85     return (
86         <div className='container py-4'>
87             <div className='row justify-content-center'>
88                 <div className='col-md-6'>
89                     <div className='card'>
90                         <div className='card-header'>Create new project</div>
91                         <div className='card-body'>
92                             <form onSubmit={this.handleCreateNewArticle}>
93                                 <div className='form-group'>
94                                     <label htmlFor='title'>Title</label>
95                                     <input
96                                         id='title'
97                                         type='text'
98                                         className={`form-control ${this.hasErrorFor('title') ? 'is-invalid' : ''}`}
99                                         name='title'
100                                         value={this.state.title}
101                                         onChange={this.handleFieldChange}
102                                     />
103                                     {this.renderErrorFor('title')}
104                                 </div>
105                                 <div className='form-group'>
106                                     <label htmlFor='content'>Project content</label>
107                                     <textarea
108                                         id='content'
109                                         className={`form-control ${this.hasErrorFor('content') ? 'is-invalid' : ''}`}
110                                         name='content'
111                                         rows='10'

```

```

112         value={this.state.content}
113         onChange={this.handleFieldChange}
114       />
115       {this.renderErrorFor('content')}
116     </div>
117     <Link
118       className='btn btn-secondary'
119       to={'/' }
120     >Back
121   </Link>
122   <button className='btn btn-primary'>Create</button>
123   {this.state.alert}
124 </form>
125 </div>
126 </div>
127 </div>
128 </div>
129 </div>
130 )
131 }
132 }
133 export default ArticleCreate

```

5. Buat lagi file baru bernama **ArticleEdit.js** dan simpan di direktori **resources/js/components**.

```

JS ArticleEdit.js X
resources > js > components > JS ArticleEdit.js > [X] default
1  import axios from 'axios'
2  import React, { Component } from 'react'
3  import { Link } from 'react-router-dom'
4  import SweetAlert from 'react-bootstrap-sweetalert';
5
6  class ArticleEdit extends Component {
7    constructor (props) {
8      super(props)
9      this.state = {
10        title: '',
11        content: '',
12        alert: null,
13        message: '',
14        errors: []
15      }
16      this.handleFieldChange = this.handleFieldChange.bind(this)
17      this.handleUpdateArticle = this.handleUpdateArticle.bind(this)
18      this.hasErrorFor = this.hasErrorFor.bind(this)
19      this.renderErrorFor = this.renderErrorFor.bind(this)
20    }
21
22    handleFieldChange (event) {
23      this.setState({
24        [event.target.name]: event.target.value
25      })
26    }
27
28    componentDidMount () {
29
30      const articleId = this.props.match.params.id
31
32      axios.get(`/api/article/edit/${articleId}`).then(response => {
33        this.setState({
34          title: response.data.title,
35          content: response.data.content,
36        })
37      })

```



```

112 <div className='card'>
113   <div className='card-header'>Create new project</div>
114   <div className='card-body'>
115     <form onSubmit={this.handleUpdateArticle}>
116       <div className='form-group'>
117         <label htmlFor='title'>Title</label>
118         <input
119           id='title'
120           type='text'
121           className={`form-control ${this.hasErrorFor('title') ? 'is-invalid' : ''}`}
122           name='title'
123           value={this.state.title}
124           onChange={this.handleFieldChange}
125         />
126         {this.renderErrorFor('title')}
127       </div>
128       <div className='form-group'>
129         <label htmlFor='content'>Project content</label>
130         <textarea
131           id='content'
132           className={`form-control ${this.hasErrorFor('content') ? 'is-invalid' : ''}`}
133           name='content'
134           rows='10'
135           value={this.state.content}
136           onChange={this.handleFieldChange}
137         />
138         {this.renderErrorFor('content')}
139       </div>
140       <Link
141         className='btn btn-secondary'
142         to={'/' }
143       >Back
144     </Link>
145     <button className='btn btn-primary'>Update</button>
146     {this.state.alert}
147   </form>
148 </div>
149 </div>
150 </div>
151 </div>
152 </div>
153 )
154 }
155 }
156 export default ArticleEdit

```

6. Buat lagi file baru bernama **ArticleShow.js** dan simpan di direktori **resources/js/components**.

```

JS ArticleShow.js X
resources > js > components > JS ArticleShow.js > [0] default
1 import axios from 'axios'
2 import React, { Component } from 'react'
3 import { Link } from 'react-router-dom'
4
5 class ArticleShow extends Component {
6   constructor (props) {
7     super(props)
8     this.state = {
9       article: {}
10    }
11  }
12
13  componentDidMount () {
14
15    const articleId = this.props.match.params.id
16
17    axios.get(`/api/article/${articleId}`).then(response => {
18      this.setState({
19        article: response.data
20      })
21    })
22  }
23
24  render () {
25    const { article } = this.state
26
27    return (
28      <div className='container py-4'>
29        <div className='row justify-content-center'>
30          <div className='col-md-8'>
31            <div className='card'>
32              <div className='card-header'>Judul Artikel: {article.title}</div>
33              <div className='card-body'>
34                <p>{article.content}</p>
35              </div>
36              <Link
37                className='btn btn-primary'
38                to={'/' }

```

	<pre> 38 <button>Back 39 </Link> 40 </div> 41 </div> 42 </div> 43 </div> 44 </div> 45) 46 } 47 } 48 49 export default ArticleShow </pre>
--	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Step 6 – Buat Halaman View

1.	<p>Buat file baru bernama app.blade.php dan simpan di direktori resource/views.</p> <pre> app.blade.php X resources > views > app.blade.php > html 1 <!DOCTYPE html> 2 <html lang="{{ app()->getLocale() }}"> 3 4 <head> 5 <meta charset="utf-8"> 6 <meta http-equiv="X-UA-Compatible" content="IE=edge"> 7 <meta name="viewport" content="width=device-width, initial-scale=1"> 8 9 <!-- CSRF Token --> 10 <meta name="csrf-token" content="{{ csrf_token() }}"> 11 12 <title>React Laravel</title> 13 14 <!-- Styles --> 15 <link href="{{ asset('css/app.css') }}" rel="stylesheet"> 16 </head> 17 18 <body> 19 <div id="app"></div> 20 21 <script src="{{ asset('js/app.js') }}"></script> 22 </body> 23 24 </html> </pre>
----	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

7. Step 7 – Edit app.js

1.	<p>Silahkan buka file resources/js/app.js kemudian cari kode berikut:</p> <pre>require('./components/Example');</pre> <p>Ubah menjadi kode berikut:</p> <pre>require('./components/App');</pre> <p>Simpan.</p>
----	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------


```

JS app.js X
resources > js > JS appjs
1  /**
2   * First we will load all of this project's JavaScript dependencies which
3   * includes React and other helpers. It's a great starting point while
4   * building robust, powerful web applications using React + Laravel.
5   */
6
7   require('./bootstrap');
8
9   /**
10  * Next, we will create a fresh React component instance and attach it to
11  * the page. Then, you may begin adding components to this application
12  * or customize the JavaScript scaffolding to fit your unique needs.
13  */
14
15  require('./components/App');
16

```

Fungsinya agar antara file resources/js/app.js dan resources/js/components/App.js terhubung.

8. Step 8 – Testing CRUD Laravel 7 dan React Js

1. Ketik command berikut untuk menginstall perubahan yang terjadi:

npm run dev

```

D:\Kuliah\SEMESTER 6\Pemrograman Berbasis Framework\Pertemuan 13\blog>npm run dev
> @ dev D:\Kuliah\SEMESTER 6\Pemrograman Berbasis Framework\Pertemuan 13\blog
> npm run development

> @ development D:\Kuliah\SEMESTER 6\Pemrograman Berbasis Framework\Pertemuan 13\blog
> cross-env NODE_ENV=development node_modules\webpack\bin\webpack.js --progress --hide-modules --config=node_modules/laravel-mix/setup/webpack.config.js

19% building 25/26 modules 1 active ...ules\sass-loader\dist\cjs.js?ref--5-51D:\Kuliah\SEMESTER 6\Pemrograman Berbasis Framework\Pertemuan 13\blog\resources\sass\app.scssD
EPRECATON WARNING: Using / for division is deprecated and will be removed in Dart Sass 2.0.0.
Recommendation: math.div($spacer, 2)
More info and automated migrator: https://sass-lang.com/d/slash-div

302 | $headings-margin-bottom:          $spacer / 2 !default;
    | ~~~~~
    |
node_modules\bootstrap\scss\_variables.scss 302:31 @import
node_modules\bootstrap\scss\bootstrap.scss 9:9 @import
stdin 8:9 root stylesheet

DEPRECATION WARNING: Using / for division is deprecated and will be removed in Dart Sass 2.0.0.
Recommendation: math.div($input-padding-y, 2)
More info and automated migrator: https://sass-lang.com/d/slash-div

498 | $input-height-inner-quarter:      add($input-line-height * .25em, $input-padding-y / 2) !default;
    | ~~~~~
    |
node_modules\bootstrap\scss\_variables.scss 498:73 @import
node_modules\bootstrap\scss\bootstrap.scss 9:9 @import
stdin 8:9 root stylesheet

```

```

718 | $navbar-padding-y:                $spacer / 2 !default;
    | ~~~~~
    |
node_modules\bootstrap\scss\_variables.scss 718:37 @import
node_modules\bootstrap\scss\bootstrap.scss 9:9 @import
stdin 8:9 root stylesheet

WARNING: 64 repetitive deprecation warnings omitted.

98% after emitting SizeLimitsPlugin

DONE Compiled successfully in 21581ms

  Asset      Size  Chunks             Chunk Names
  /css/app.css 179 KiB  /js/app  [emitted]  /js/app
  /js/app.js  2.26 MiB  /js/app  [emitted]  /js/app

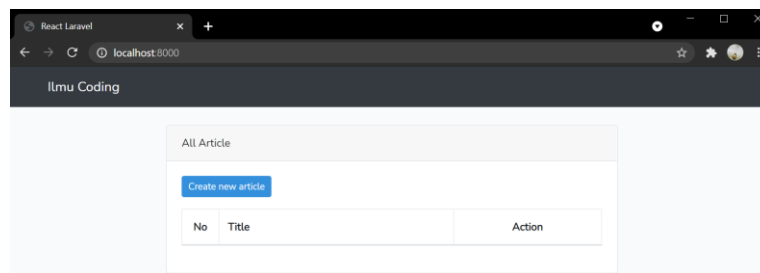
```

2. Kemudian ketik command berikut:
php artisan serve

```
D:\Kuliah\SEMESTER 6\Pemrograman Berbasis Framework\Pertemuan 13\blog>php artisan serve
Laravel development server started: http://127.0.0.1:8000
^
```

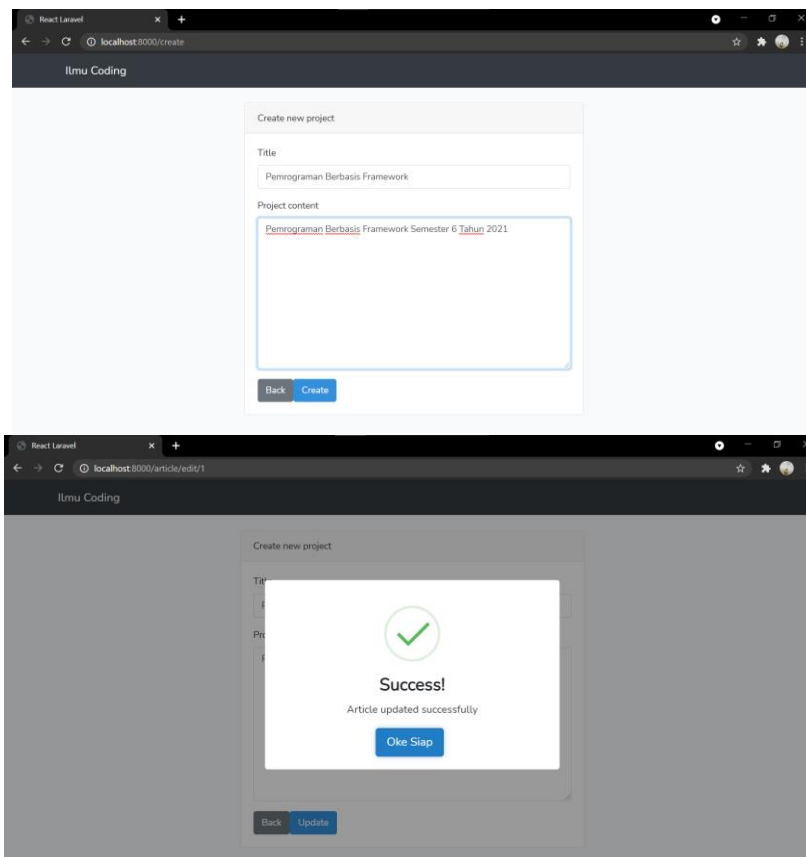
URL Halaman Index:
localhost:8000

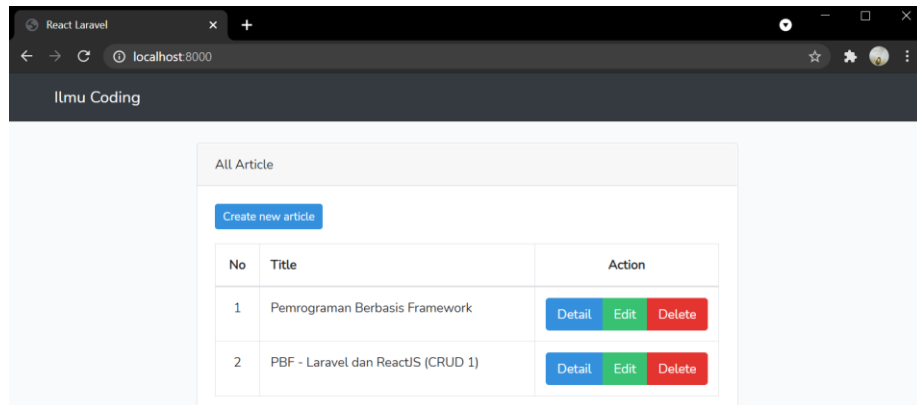
Hasil :



URL Halaman Create:
localhost:8000/create

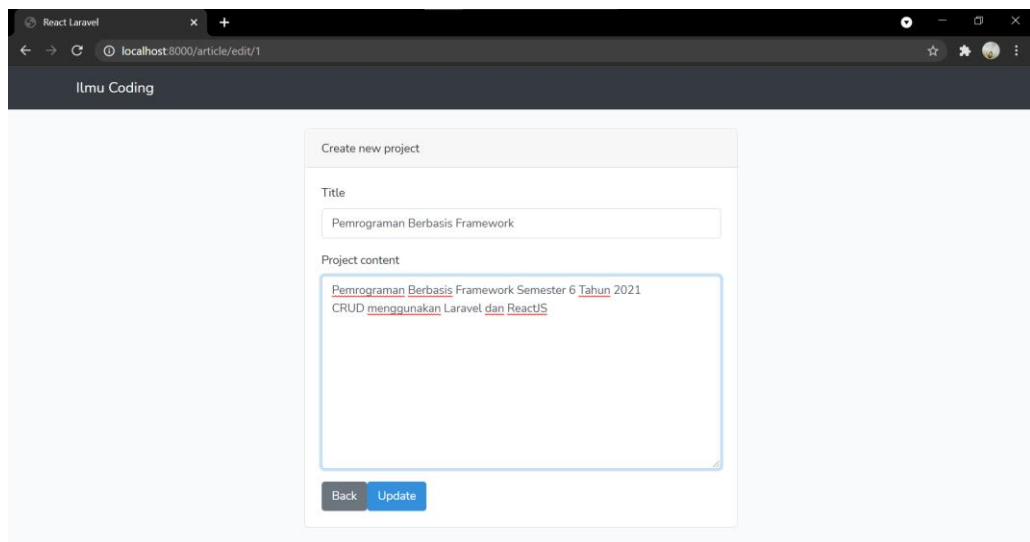
Hasil:





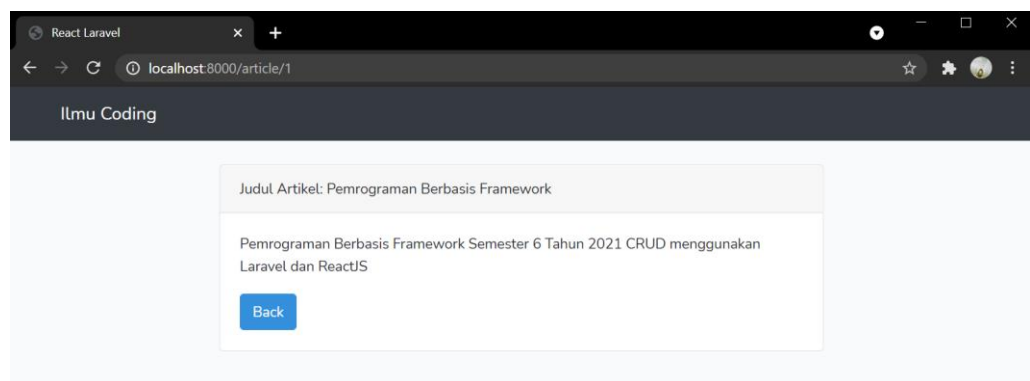
URL Halaman Edit:
`localhost:8000/article/edit/{id}`

Hasil:

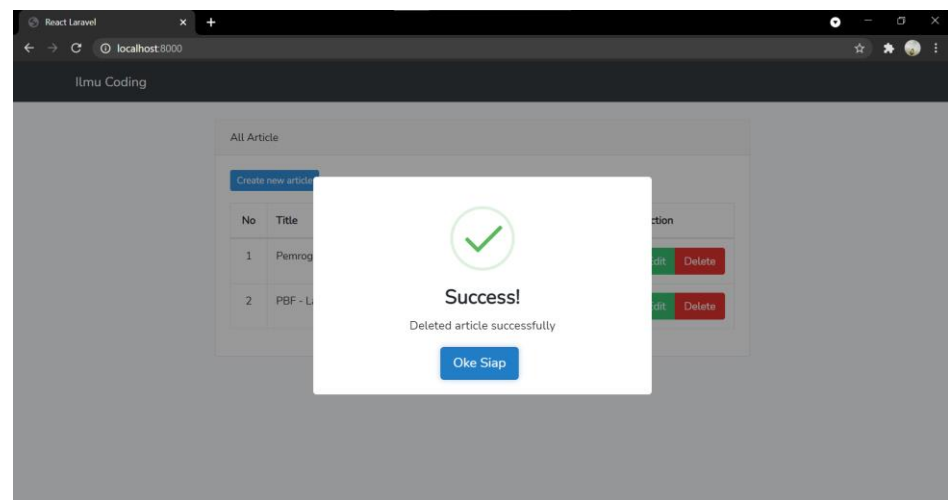
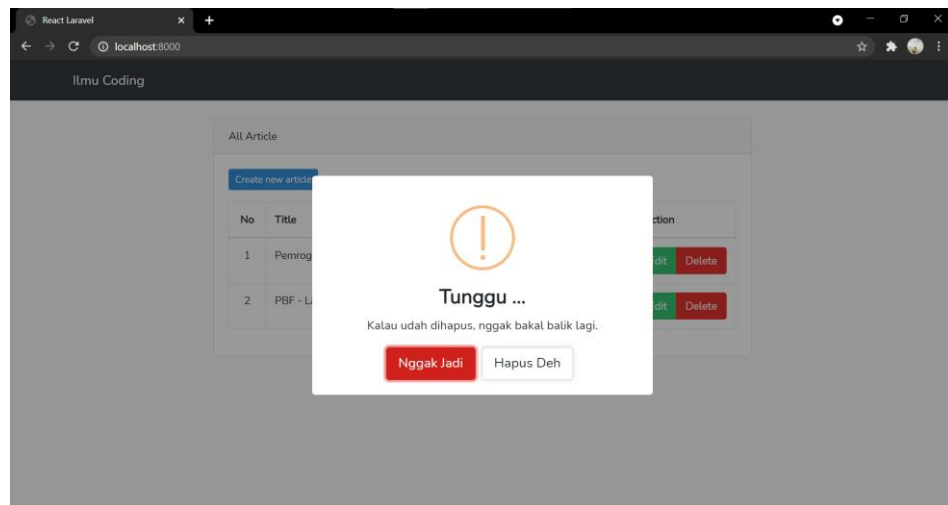


URL Halaman Detail:
`localhost:8000/article/{id}`

Hasil:



Hapus Artikel:



Link Video Youtube :

<https://youtu.be/lCub94xNkjI>

Link Github :

<https://github.com/liviayurike/Pemrograman-Berbasis-Framework/tree/master/Pertemuan%2013>