

LAPORAN UAS
PEMROGRAMAN BERBASIS FRAMEWORK



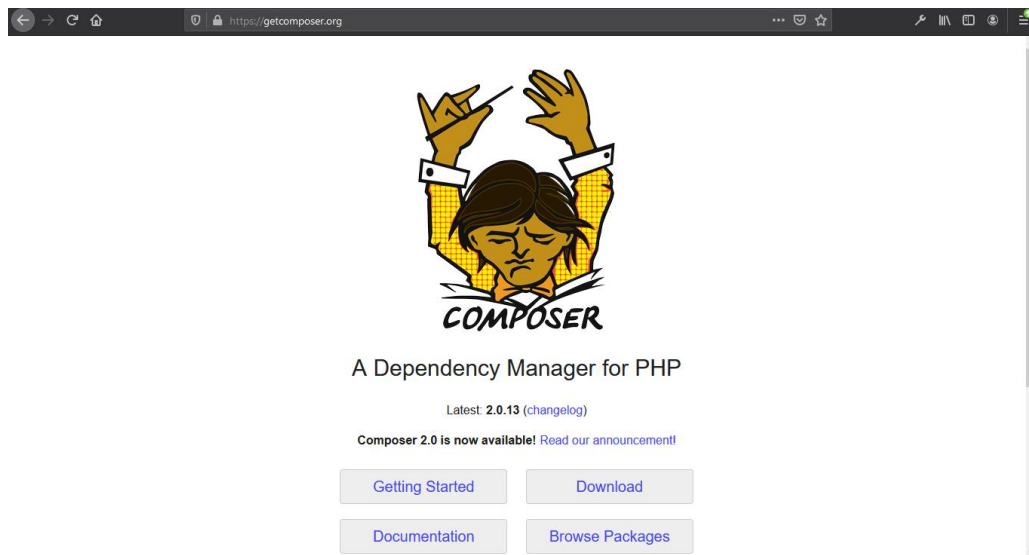
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PROGRAM STUDI TEKNIK INFORMATIKA
JURUSAN TEKNOLOGI INFORMASI
POLITEKNIK NEGERI MALANG
2021

Link Github: https://github.com/fidelatrstyni/Pemrograman_Framework_2021

Link Youtube:

1. Laravel menggunakan Composer untuk mengelola dependensinya. Jadi, sebelum menggunakan Laravel, pastikan Composer telah terinstall terlebih dahulu. Composer adalah dependensi manajer untuk library PHP. Composer digunakan untuk menginstal, menghapus, dan memperbarui paket PHP. Unduh composer melalui <https://getcomposer.org/> pilih Download untuk memulai proses unduh.



2. Terdapat 2 cara untuk menginstall Laravel,
 1. Install Via Laravel Installer Setelah proses instalasi Composer selesai, buka Command Prompt lalu tujuhan lokasi folder yang akan menampung folder kerja kita. Karena pada praktikum sebelumnya telah menggunakan XAMPP, maka dapat menggunakan folder htdocs. Pindah ke direktori htdocs dengan ketik: **cd C:\xampp\htdocs**. Setelah berada di dalam folder, ketikkan perintah sebagai berikut:
composer global require "laravel/installer"

```
C:\Windows\System32\cmd.exe
C:\xampp\htdocs>composer global require laravel/installer
Changed current directory to C:/Users/Stackoverflow/AppData/Roaming/Composer
Using version ^4.2 for laravel/installer
./composer.json has been created
Running composer update laravel/installer
Loading composer repositories with package information
Updating dependencies
Lock file operations: 13 installs, 0 updates, 0 removals
- Locking laravel/installer (v4.2.7)
- Locking psr/container (1.1.1)
- Locking symfony/console (v5.3.0)
- Locking symfony/deprecation-contracts (v2.4.0)
- Locking symfony/polyfill-ctype (v1.23.0)
- Locking symfony/polyfill-intl-grapheme (v1.23.0)
- Locking symfony/polyfill-intl-normalizer (v1.23.0)
- Locking symfony/polyfill-mbstring (v1.23.0)
- Locking symfony/polyfill-php73 (v1.23.0)
- Locking symfony/polyfill-php80 (v1.23.0)
- Locking symfony/process (v5.3.0)
- Locking symfony/service-contracts (v2.4.0)
- Locking symfony/string (v5.3.0)
Writing lock file
Installing dependencies from lock file (including require-dev)
Package operations: 13 installs, 0 updates, 0 removals
- Downloading symfony/polyfill-php80 (v1.23.0)
- Downloading symfony/process (v5.3.0)
- Downloading symfony/polyfill-mbstring (v1.23.0)
- Downloading symfony/polyfill-intl-normalizer (v1.23.0)
- Downloading symfony/polyfill-intl-grapheme (v1.23.0)
- Downloading symfony/polyfill-ctype (v1.23.0)
```

Buat folder laravel dengan mengetikkan perintah:
laravel new wisata

```
C:\Windows\System32\cmd.exe
C:\xampp\htdocs>laravel new wisata

Laravel

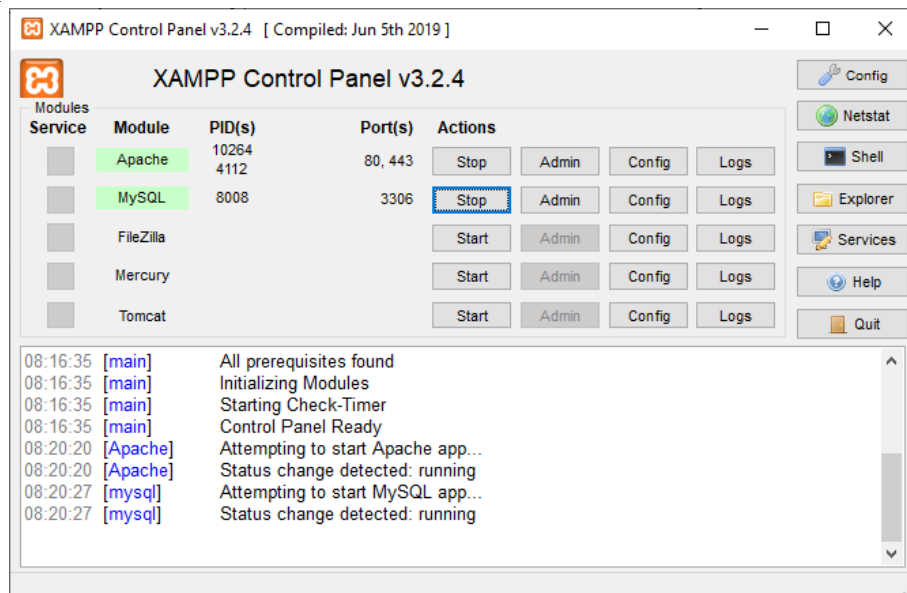
Creating a "laravel/laravel" project at "../wisata"
Installing laravel/laravel (v8.5.19)
- Downloading laravel/laravel (v8.5.19)
- Installing laravel/laravel (v8.5.19): Extracting archive
Created project in C:\xampp\htdocs\wisata
> @php -r "file_exists('.env') || copy('.env.example', '.env');"
Loading composer repositories with package information
Updating dependencies
Lock file operations: 104 installs, 0 updates, 0 removals
- Locking asm89/stack-cors (v2.0.3)
- 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 (v3.1.0)
- Locking egulias/email-validator (2.1.25)
- Locking facade/flare-client-php (1.8.1)
- Locking facade/ignition (2.10.4)
- Locking facade/ignition-contracts (1.0.2)
- Locking fakerphp/faker (v1.14.1)
```

2. Install Via Composer Create-Project

Selain menggunakan cara pertama, Kita dapat melakukan penginstalan laravel dengan mengetikkan perintah berikut pada command prompt:

composer create-project --prefer-dist laravel/laravel wisata

3. Setelah proses instalasi Laravel selesai, Kita perlu menguji apakah hasil instalasi tersebut berjalan dengan baik atau tidak. Aktifkan Apache dan MySQL server lewat XAMPP



4. Membuat database dan migration tabel

Silahkan buat database baru bernama **db_wisata**.

Kemudian buka file **.env** yang ada di direktori **blog/.env**:

Cari kode berikut ini di file **.env** dan ubah menjadi ini :

```
DB_CONNECTION=mysql
DB_HOST=127.0.0.1
DB_PORT=3306
DB_DATABASE=db_wisata
DB_USERNAME=root
DB_PASSWORD=
```

5. ketik command berikut untuk membuat Model Article dan Migration-nya:
php artisan make:model Article -migration
6. buka file **Article.php** yang ada di dalam direktori **app/Article.php** dan modifikasi:

```
<?php

namespace App;

use Illuminate\Database\Eloquent\Model;

class Article extends Model
{
    protected $table = "articles";
    protected $fillable = ['img', 'title', 'content'];
}
```

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

```
public function up()
{
    Schema::create('articles', function (Blueprint $table) {
        $table->bigIncrements('id');
        $table->string('img');
        $table->string('title');
        $table->string('content');
        $table->timestamps();
    });
}
```

8. Kemudian jalankan command berikut ini agar table yang kita buat migrate ke database:
php artisan migrate

```

PS C:\xampp\htdocs\wisata> php artisan migrate
Migration table created successfully.
Migrating: 2014_10_12_000000_create_users_table
Migrated: 2014_10_12_000000_create_users_table (92.71ms)
Migrating: 2014_10_12_100000_create_password_resets_table
Migrated: 2014_10_12_100000_create_password_resets_table (63.50ms)
Migration table created successfully.
Migrating: 2014_10_12_000000_create_users_table
Migrated: 2014_10_12_000000_create_users_table (92.71ms)
Migrating: 2014_10_12_100000_create_password_resets_table
Migrated: 2014_10_12_100000_create_password_resets_table (63.50ms)
Migrated: 2019_08_19_000000_create_failed_jobs_table (80.80ms)
Migrating: 2021_06_09_003056_create_wisatas_table
Migrated: 2021_06_09_003056_create_wisatas_table (52.63ms)

```

9. Jika berhasil dengan baik, maka di database **db_wisata** akan muncul table seperti gambar di bawah ini:

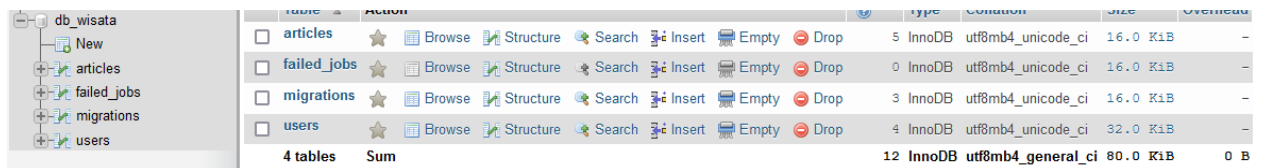


Table	Action	Type	Collation	Size	Overhead
articles	Browse Structure Search Insert Empty Drop	InnoDB	utf8mb4_unicode_ci	16.0 KiB	-
failed_jobs	Browse Structure Search Insert Empty Drop	InnoDB	utf8mb4_unicode_ci	16.0 KiB	-
migrations	Browse Structure Search Insert Empty Drop	InnoDB	utf8mb4_unicode_ci	16.0 KiB	-
users	Browse Structure Search Insert Empty Drop	InnoDB	utf8mb4_unicode_ci	32.0 KiB	-
4 tables	Sum	12 InnoDB	utf8mb4_general_ci	80.0 KiB	0 B

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

```

Route::view('/users', 'app');
Route::view('/user/edit/{id}', 'app');
Route::view('/user/{id}', 'app');
Route::view('/user/login', 'app');

Route::view('/articles', 'app');
Route::view('/article/edit/{id}', 'app');
Route::view('/article/{id}', 'app');
Route::view('/', 'app');
Route::view('/{path}', 'app');

```

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

```
Route::get('/articles', 'ArticleController@index');
Route::post('/article/store', 'ArticleController@store');
Route::get('/article/edit/{id}', 'ArticleController@getArticle');
Route::get('/article/{id}', 'ArticleController@getArticle');
Route::put('/article/{id}', 'ArticleController@update');
Route::delete('/article/delete/{id}', 'ArticleController@delete');

Route::get('/users', 'UserController@index');
Route::post('/user/registrasi', 'UserController@registrasi');
Route::post('/user/login', 'UserController@login');
Route::get('/user/login', 'UserController@login');
```

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

```
php artisan make:controller ArticleController
php artisan make:controller UserController
```

13. Sekarang buka file **UserController.php** yang terdapat di **app/Http/Controllers**.

Kemudian ketik kode berikut ini:

```
CRUD > app > Http > Controllers > Controller.php
1  <?php
2
3  namespace App\Http\Controllers;
4
5  use Illuminate\Foundation\Auth\Access\AuthorizesRequests;
6  use Illuminate\Foundation\Bus\DispatchesJobs;
7  use Illuminate\Foundation\Validation\ValidatesRequests;
8  use Illuminate\Routing\Controller as BaseController;
9
10 class Controller extends BaseController
11 {
12     use AuthorizesRequests, DispatchesJobs, ValidatesRequests;
13 }
14
```

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

Kemudian ketik kode berikut ini:

```
<?php

namespace App\Http\Controllers;

use Illuminate\Http\Request;

class ArticleController extends Controller
{
    public function index()
    {
        $articles = \App\Article::all();

        return $articles->toJson();
    }

    public function store(Request $request)
    {
        $validatedData = $request->validate([
            'img' => 'required',
            'title' => 'required',
            'content' => 'required',
        ]);

        $project = \App\Article::create([
            'img' => $validatedData['img'],
            'title' => $validatedData['title'],
            'content' => $validatedData['content'],
        ]);
    }
}
```

```

public function getArticle($id)
{
    $article = \App\Article::find($id);

    return $article->toJson();
}

public function update(Request $request, $id)
{
    $validatedData = $request->validate([
        'img' => 'required',
        'title' => 'required',
        'content' => 'required',
    ]);

    $article = \App\Article::find($id);
    $article->img = $validatedData['img'];
    $article->title = $validatedData['title'];
    $article->content = $validatedData['content'];
    $article->save();

    $msg = [
        'success' => true,
        'message' => 'Article updated successfully'
    ];
}

```

15. Jika Anda ingin menginstall package React Js, React Router Dom dan Sweet Alert, silahkan dimulai dari install package **laravel ui** dan **laravel ui react** berikut ini:

composer **require** laravel/ui

```

PS C:\xampp\htdocs\wisata> composer require laravel/ui
Using version ^3.3 for laravel/ui
./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 (v3.3.0)
Writing lock file
Installing dependencies from lock file (including require-dev)
Package operations: 1 install, 0 updates, 0 removals
- Downloading laravel/ui (v3.3.0)
- Installing laravel/ui (v3.3.0): Extracting archive
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/sail
Discovered Package: laravel/tinker
Discovered Package: laravel/ui
Discovered Package: nesbot/carbon
Discovered Package: nunomaduro/collision
Package manifest generated successfully.
74 packages you are using are looking for funding.
Use the `composer fund` command to find out more!
PS C:\xampp\htdocs\wisata>

```


Kemudian install react js:

```
php artisan ui react
```

```
PS C:\xampp\htdocs\wisata> php artisan ui react
React scaffolding installed successfully.
Please run "npm install && npm run dev" to compile your fresh scaffolding.
```

Lalu install NodeJsnya:

```
(npm install) -and (npm run dev) atau npm install || npm run dev
```

```
run `npm fund` for details
found 36 vulnerabilities (34 moderate, 2 high)
  run `npm audit fix` to fix them, or `npm audit` for details
PS C:\xampp\htdocs\wisata> 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 optional SKIPPING OPTIONAL DEPENDENCY: fsevents@2.3.2 (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":"win",
,"arch":"ia32"})
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.13 (node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.13: wanted {"os":"darwin","arch":"any"} (current: {"os":"win",
,"arch":"ia32"})

> @ dev C:\xampp\htdocs\wisata
> npm run development
```

Kemudian install react router dom nya:

```
npm install react-router-dom
```

dan terakhir sweat alertnya:

```
npm i react-bootstrap-sweetalert
```

16. Buat file baru bernama **App.js** dan simpan di direktori **resources/js/components**.
Ketik kode berikut ini:

```

import React, { Component } from 'react'
import ReactDOM from 'react-dom'
import { BrowserRouter, Route, Switch } from 'react-router-dom'
import Header from './Header'
import ArticleIndex from './ArticleIndex'
import ArticleCreate from './ArticleCreate'
import ArticleShow from './ArticleShow'
import ArticleEdit from './ArticleEdit'

import UserCreate from './UserCreate'
import UserIndex from './UserIndex'
import UserLogin from './UserLogin'

class App extends Component {
  render () {
    return (
      <BrowserRouter>
        <div>
          <Header />
          <Switch>
            <Route exact path="/" component={ArticleIndex}/>
            <Route exact path="/create" component={ArticleCreate} />
            <Route path="/article/edit/:id" component={ArticleEdit} />
            <Route path="/article/:id" component={ArticleShow} />
            <Route exact path="/registrasi" component={UserCreate} />
            <Route exact path="/user" component={UserIndex}/>
            <Route exact path="/login" component={UserLogin}/>
          </Switch>
        </div>
      </BrowserRouter>
    )
  }
}

```

17. Buat lagi file baru bernama **Header.js** dan simpan di direktori **resources/js/components**.
Ketik kode berikut ini:

```

CRUD > resources > js > components > JS Headerjs > ...
1  import React from 'react'
2  import { Link } from 'react-router-dom'
3  import { BsPersonPlus } from 'react-icons/bs';
4  import { BiPalette } from 'react-icons/bi';
5  import { BiLogIn } from 'react-icons/bi';
6
7  const Header = () => (
8    <nav className='navbar navbar-dark bg-primary fixed-top'>
9      <div className='container'>
10       <Link className='btn btn-primary btn-sm mb-3' to='/registrasi' style={{ marginLeft: '0px', marginTop: '10px' }}>
11         Registrasi <BsPersonPlus /></Link>
12       <Link className='navbar-brand' to="/" style={{ marginLeft: '200px' }}><BiPalette />Kunci Wisata</Link>
13       <Link className='btn btn-primary btn-sm mb-3' to='/login' style={{ marginLeft: '200px', marginTop: '10px' }}>Login <BiLogIn /> </Link>
14     </div>
15   </nav>
16 )
17
18
19 export default Header

```

18. Buat lagi file baru bernama **ArticleIndex.js** dan simpan di direktori **resources/js/components**.
Ketik kode berikut ini:

CRUD > resources > js > components > JS ArticleIndex.js > ArticleIndex > render

```
confirmDelete(id){
  const getAlert = () => { (
    <SweetAlert
      warning
      showCancel
      confirmBtnText="Ya"
      cancelBtnText="Tidak"
      confirmBtnBsStyle="default"
      cancelBtnBsStyle="danger"
      title="Tunggu ..."
      onConfirm={() => this.deleteItem(id)}
      onCancel={() => this.hideAlert()}
      focusCancelBtn
    >
    Anda yakin ingin menghapus artikel ?
  </SweetAlert>
  );
  this.setState({
    alert: getAlert()
  });
}

deleteItem(id) {
  axios.delete(`/api/article/delete/${id}`).then(response => {
    var msg = response.data.success;
    if(msg == true){
      this.hideAlert();
      this.goToHome();
    }
  })
}

goToHome(){
  const getAlert = () => { (
```

100

[illegible][illegible][illegible]

```

CRUD > resources > js > components > JS ArticleIndex.js > ArticleIndex > render > articles.map() callback
199 |                                     >Detail <BsArrowRightShort />
200 |                                     </Link>
201 |                                 </td>
202 |
203 |                             </tr>
204 |                         </td>
205 |                     )))
206 |                 </tbody>
207 |             </table>
208 |             {this.state.alert}
209 |         </div>
210 |     </div>
211 | </div>
212 |
213 | </div>
214 | </div>
215 | </div>
216 | )
217 | }
218 | }
219 |
220 | export default ArticleIndex

```

19. Buat lagi file baru bernama **ArticleCreate.js** dan simpan di direktori **resources/js/components**.
Ketik kode berikut ini:

```

CRUD > resources > js > components > JS ArticleCreate.js > ArticleCreate > render
1 | import axios from 'axios'
2 | import React, { Component } from 'react'
3 | import { Link } from 'react-router-dom'
4 | import { BiPlus } from 'react-icons/bi';
5 | import { BsArrowLeftShort } from 'react-icons/bs';
6 | import SweetAlert from 'react-bootstrap-sweetalert';
7 |
8 | class ArticleCreate extends Component {
9 |
10 |     constructor (props) {
11 |         super(props)
12 |         this.state = {
13 |             img: '',
14 |             title: '',
15 |             content: '',
16 |             alert: null,
17 |             errors: []
18 |         }
19 |         this.handleFieldChange = this.handleFieldChange.bind(this)
20 |         this.handleCreateNewArticle = this.handleCreateNewArticle.bind(this)
21 |         this.hasErrorFor = this.hasErrorFor.bind(this)
22 |         this.renderErrorFor = this.renderErrorFor.bind(this)
23 |     }
24 |
25 |     handleFieldChange (event) {
26 |         this.setState({
27 |             [event.target.name]: event.target.value
28 |         })
29 |     }
30 |
31 |     goToHome(){
32 |         const getAlert = () => (
33 |             <SweetAlert
34 |                 success
35 |                 title="Success!"
36 |                 onConfirm={() => this.onSuccess() }
37 |                 onCancel={this.hideAlert()}
38 |                 timeout={2000}
39 |                 confirmBtnText="Oke Siap"
40 |             >
41 |                 Created article successfully
42 |             </SweetAlert>
43 |         );
44 |         this.setState({
45 |             alert: getAlert()
46 |         });
47 |     }
48 |
49 |     onSuccess() {
50 |         this.props.history.push('/');
51 |     }
52 |
53 |     hideAlert() {
54 |         this.setState({
55 |             alert: null
56 |         });
57 |     }
58 |
59 |     handleCreateNewArticle (event) {
60 |         event.preventDefault()
61 |         const article = {
62 |             img: this.state.img,
63 |             title: this.state.title,
64 |             content: this.state.content

```

```

CRUD > resources > js > components > JS ArticleCreate.js > ArticleCreate > render
59   handleCreateNewArticle (event) {
60     event.preventDefault()
61     const article = {
62       img: this.state.img,
63       title: this.state.title,
64       content: this.state.content
65     }
66     axios.post('/api/article/store', article).then(response => {
67       var msg = response.data.success;
68       if(msg == true){
69         return this.goToHome();
70       }
71     })
72   }
73
74   hasErrorFor (field) {
75     return !!this.state.errors[field]
76   }
77
78   renderErrorFor (field) {
79     if (this.hasErrorFor(field)) {
80       return (
81         <span className='invalid-feedback'>
82           <strong>{this.state.errors[field][0]}</strong>
83         </span>
84       )
85     }
86   }
87
88   render () {
89     return (
90       <div className='container py-4' style={{ marginTop: 50 }}>
91         <div className='row justify-content-center'>
92           <div className='col-md-6'>
93             <div className='card'>
94               <div className='card-header bg-white' style={{ textAlign: 'center', fontSize: 30 }}>Create new project</div>
95               <div className='card-body'>
96                 <form onSubmit={this.handleCreateNewArticle}>
97                   <div className='form-group'>
98                     <label htmlFor='img'>Image</label>
99                     <input
100                       id='img'
101                       type='text'
102                       className={`form-control ${this.hasErrorFor('img') ? 'is-invalid' : ''}`}
103                       name='img'
104                       value={this.state.img}
105                       onChange={this.handleFieldChange}
106                     />
107                     {this.renderErrorFor('img')}
108                   </div>
109                   <div className='form-group'>
110                     <label htmlFor='title'>Title</label>
111                     <input
112                       id='title'
113                       type='text'
114                       className={`form-control ${this.hasErrorFor('title') ? 'is-invalid' : ''}`}
115                       name='title'
116                       value={this.state.title}
117                       onChange={this.handleFieldChange}
118                     />
119                     {this.renderErrorFor('title')}
120                   </div>
121                   <div className='form-group'>
122                     <label htmlFor='content'>Project content</label>
123                     <textarea
124                       id='content'
125                       className={`form-control ${this.hasErrorFor('content') ? 'is-invalid' : ''}`}
126                       name='content'
127                       rows='10'
128                       value={this.state.content}
129                       onChange={this.handleFieldChange}
130                     />
131                     {this.renderErrorFor('content')}
132                   </div>
133                   <Link
134                     className='btn btn-secondary'
135                     to={`/${this.state.id}`}
136                   ><BsArrowLeftShort /> Back
137                   </Link>
138                   <button className='btn btn-primary'>Create <BiPlus /></button>
139                   {this.state.alert}
140                 </form>
141               </div>
142             </div>
143           </div>
144         </div>
145       </div>
146     )
147   }
148 }
149 export default ArticleCreate

```

20. Buat lagi file baru bernama **ArticleEdit.js** dan simpan di direktori **resources/js/components**. Ketik kode berikut ini:

```

CRUD > resources > js > components > JS ArticleEdit.js > ...
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/${articleId}`).then(response => {
33       this.setState({
34         title: response.data.title,
35         content: response.data.content
36       })
37     })
38   }
39
40   goToHome(){
41     const getAlert = () => (
42       <SweetAlert
43         success
44         title="Success!"
45         onConfirm={() => this.onSuccess() }
46         onCancel={this.hideAlert()}
47         timeout={2000}
48         confirmBtnText="Oke Siap"
49       >
50         {this.state.message}
51       </SweetAlert>
52     );
53     this.setState({
54       alert: getAlert()
55     });
56   }
57
58   onSuccess() {
59     this.props.history.push('/');
60   }
61
62   hideAlert() {
63     this.setState({
64       alert: null
65     });
66   }
67
68   handleUpdateArticle (event) {
69     event.preventDefault()
70
71     const article = {
72       title: this.state.title,
73       content: this.state.content
74     }
75
76     const articleId = this.props.match.params.id
77
78     axios.put(`/api/article/${articleId}`, article)
79       .then(response => {
80         // redirect to the homepage
81         var msg = response.data.success;
82         if(msg == true){
83           this.setState({
84             message: response.data.message
85           })
86           return this.goToHome();
87         }
88       });
89   }
90
91   hasErrorFor (field) {
92     return !!this.state.errors[field]
93   }
94
95   renderErrorFor (field) {
96     if (this.hasErrorFor(field)) {
97       return (
98         <span className='invalid-feedback'>
99           <strong>{this.state.errors[field][0]}</strong>
100         </span>
101       )
102     }
103   }
104
105   render () {
106     const { article } = this.state
107     return (
108       <div className='container py-4'>
109         <div className='row justify-content-center'>
110           <div className='col-md-6'>
111             <div className='card'>
112               <div className='card-header'>Create new project</div>
113               <div className='card-body'>
114                 <form onSubmit={this.handleUpdateArticle}>
115                   <div className='form-group'>
116                     <label htmlFor='title'>Title</label>
117                     <input
118                       id='title'
119                       type='text'
120                       className={this.hasErrorFor('title') ? 'is-invalid' : ''}
121                       name='title'
122                       value={this.state.title}
123                       onChange={this.handleFieldChange}
124                     />
125                     {this.renderErrorFor('title')}
126                   </div>
127                   <div className='form-group'>
128                     <label htmlFor='content'>Project content</label>
129                     <textArea
130                       id='content'
131                       className={this.hasErrorFor('content') ? 'is-invalid' : ''}
132                       name='content'
133                       rows='10'
134

```

```

CRUD > resources > js > components > JS ArticleEdit.js > ArticleEdit > render
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

```

21. Buat lagi file baru bernama **ArticleShow.js** dan simpan di direktori **resources/js/components**.
Ketik kode berikut ini:

```

CRUD > resources > js > components > JS ArticleShow.js > ...
1 | import axios from 'axios'
2 | import React, { Component } from 'react'
3 | import { Link } from 'react-router-dom'
4 | import { BsArrowLeftShort } from 'react-icons/bs';
5 |
6 | class ArticleShow extends Component {
7 |   constructor (props) {
8 |     super(props)
9 |     this.state = {
10 |       article: {}
11 |     }
12 |   }
13 |
14 |   componentDidMount () {
15 |
16 |     const articleId = this.props.match.params.id
17 |
18 |     axios.get(`/api/article/${articleId}`).then(response => {
19 |       this.setState({
20 |         article: response.data
21 |       })
22 |     })
23 |   }
24 |
25 |   render () {
26 |     const { article } = this.state
27 |
28 |     return (
29 |       <div className='container py-4' style={{ marginTop: 50 }}>
30 |         <div className='row justify-content-center'>
31 |           <div className='col-md-8'>
32 |             <div className='card'>
33 |               <div className='card-header bg-white' style={{ textAlign: 'center', fontSize: 30 }}>{article.title}</div>
34 |               <div className='card-body'>

```

```

CRUD > resources > js > components > JS ArticleShow.js > ArticleShow > render
34 |         <div className='card-body'>
35 |             <p><img src={article.img} width="685" height="450"></img></p>
36 |             <p>{article.content}</p>
37 |             <Link
38 |                 className='btn btn-primary'
39 |                 to={`/${id}`}
40 |             ><BsArrowLeftShort />Back
41 |         </Link>
42 |     </div>
43 | </div>
44 | </div>
45 | </div>
46 | </div>
47 |     )
48 |   }
49 | }
50 |
51 | export default ArticleShow

```

22. Buat lagi file baru bernama **UserCreate.js** dan simpan di direktori **resources/js/components**.
Ketik kode berikut ini:

```

CRUD > resources > js > components > JS UserCreate.js > UserCreate > render
1 | import axios from 'axios'
2 | import React, { Component } from 'react'
3 | import { Link } from 'react-router-dom'
4 | import { BsPersonPlus } from 'react-icons/bs'
5 | import { BsArrowLeftShort } from 'react-icons/bs';
6 | //import { BsBoxArrowInRight } from 'react-icons/bs';
7 | import SweetAlert from 'react-bootstrap-sweetalert';
8 |
9 | class UserCreate extends Component {
10 |
11 |   constructor (props) {
12 |     super(props)
13 |     this.state = {
14 |       name: '',
15 |       email: '',
16 |       password: '',
17 |       alert: null,
18 |       errors: []
19 |     }
20 |     this.handleFieldChange = this.handleFieldChange.bind(this)
21 |     this.handleCreateNewUser = this.handleCreateNewUser.bind(this)
22 |     this.hasErrorFor = this.hasErrorFor.bind(this)
23 |     this.renderErrorFor = this.renderErrorFor.bind(this)
24 |   }
25 |
26 |   handleFieldChange (event) {
27 |     this.setState({
28 |       [event.target.name]: event.target.value
29 |     })
30 |   }
31 |
32 |   goToHome(){
33 |     const getAlert = () => (
34 |       <SweetAlert
35 |         success
36 |         title="Success!"
37 |         onConfirm={() => this.onSuccess() }
38 |         onCancel={this.hideAlert()}
39 |         timeout={2000}
40 |         confirmBtnText="Oke Siap"
41 |       >
42 |         Created user successfully
43 |     </SweetAlert>
44 |   );
45 |   this.setState({
46 |     alert: getAlert()
47 |   });
48 | }
49 |
50 | onSuccess() {
51 |   this.props.history.push('/');
52 | }
53 |
54 | hideAlert() {
55 |   this.setState({
56 |     alert: null
57 |   });
58 | }
59 |
60 | handleCreateNewUser (event) {
61 |   event.preventDefault()
62 |   const user = {
63 |     name: this.state.name,
64 |     email: this.state.email,
65 |     password: this.state.password

```



```

CRUD > resources > js > components > JS UserCreate.js > UserCreate > render
59
60 handleCreateNewUser (event) {
61   event.preventDefault()
62   const user = {
63     name: this.state.name,
64     email: this.state.email,
65     password: this.state.password
66   }
67   axios.post('/api/user/registrasi', user).then(response => {
68     var msg = response.data.success;
69     if(msg == true){
70       return this.goToHome();
71     }
72   })
73 }
74
75 hasErrorFor (field) {
76   return !!this.state.errors[field]
77 }
78
79 renderErrorFor (field) {
80   if (this.hasErrorFor(field)) {
81     return (
82       <span className='invalid-feedback'>
83         <strong>{this.state.errors[field][0]}</strong>
84       </span>
85     )
86   }
87 }
88
122 <div className='form-group'>
123   <label htmlFor='password'>Password</label>
124   <input
125     id='password'
126     type='password'
127     className={`form-control ${this.hasErrorFor('password') ? 'is-invalid' : ''}`}
128     name='password'
129     value={this.state.password}
130     onChange={this.handleFieldChange}
131   />
132   {this.renderErrorFor('password')}
133 </div>
134 <Link
135   className='btn btn-secondary'
136   to={'/' }
137 > <BsArrowLeftShort /> Back
138 </Link>
139 <button className='btn btn-primary'>Registrasi <BsPersonPlus /> </button>
140 {this.state.alert}
141 </form>
142 </div>
143 </div>
144 </div>
145 </div>
146 </div>
147 )
148 }
149 }
150 export default UserCreate

```

23. Buat lagi file baru bernama **UserLogin.js** dan simpan di direktori **resources/js/components**. Ketik kode berikut ini:

```
CRUD > resources > js > components > JS UserLogin.js > UserLogin > render
1 import axios from 'axios'
2 import React, { Component } from 'react'
3 import { Link } from 'react-router-dom'
4 import { BsArrowLeftShort } from 'react-icons/bs';
5 import { BiLogin } from 'react-icons/bi';
6 import SweetAlert from 'react-bootstrap-sweetalert';
7
8 class UserLogin extends Component {
9
10   constructor (props) {
11     super(props)
12     this.state = {
13       email: '',
14       password: '',
15       alert: null,
16       errors: []
17     }
18     this.handleFieldChange = this.handleFieldChange.bind(this)
19     this.handleLoginUser = this.handleLoginUser.bind(this)
20     this.handleErrorFor = this.handleErrorFor.bind(this)
21     this.renderErrorFor = this.renderErrorFor.bind(this)
22   }
23
24   handleFieldChange (event) {
25     this.setState({
26       [event.target.name]: event.target.value
27     })
28   }
29
30   goToHome(){
31     const getAlert = () => (
32       <SweetAlert
33         success
34         title="Success!"
35         onConfirm={() => this.onSuccess() }
36         onCancel={this.hideAlert()}
37         timeout={2000}
38         confirmBtnText="Oke Siap"
39       >
40         Login user successfully
41       </SweetAlert>
42     );
43     this.setState({
44       alert: getAlert()
45     });
46   }
47
48   onSuccess() {
49     this.props.history.push('/');
50   }
51
52   hideAlert() {
53     this.setState({
54       alert: null
55     });
56   }
57
58   handleLoginUser (event) {
59     event.preventDefault()
60     const user = {
61       email: this.state.email,
62       password: this.state.password
63     }
64
65     axios.post('http://localhost:3001/api/login', user)
66       .then(res => {
67         this.goToHome()
68       })
69       .catch(err => {
70         this.handleErrorFor('email')
71       })
72   }
73
74   handleErrorFor (field) {
75     return !!this.state.errors[field]
76   }
77
78   renderErrorFor (field) {
79     if (this.handleErrorFor(field)) {
80       return (
81         <span className="invalid-feedback">
82           <strong>{this.state.errors[field][0]}</strong>
83         </span>
84       )
85     }
86   }
87
88   render () {
89     return (
90       <div className="container py-4" style={{ marginTop: 50 }}>
91         <div className="row justify-content-center">
92           <div className="col-md-6">
93             <div className="card">
94               <div className="card-header bg-white" style={{ textAlign: 'center', fontSize: 30 }}><BiLogin /> Login</div>
95               <div className="card-body">
96                 <form onSubmit={this.handleCreateNewUser}>
97                   <div className="form-group">
98                     <label htmlFor="email">Email</label>
99                     <input
100                       id="email"
101                       type="email"
102                       className={this.handleErrorFor('email') ? 'is-invalid' : ''}
103                       name="email"
104                       value={this.state.email}
105                       onChange={this.handleFieldChange}
106                     />
107                     {this.renderErrorFor('email')}
108                   </div>
109                 </form>
110               </div>
111             </div>
112           </div>
113         </div>
114       </div>
115     )
116   }
117 }
```

```

CRUD > resources > js > components > JS UserLogin.js > UserLogin > render
101   name= email
102   value={this.state.email}
103   onChange={this.handleFieldChange}
104   />
105   {this.renderErrorFor('email')}
106 </div>
107 <div className='form-group'>
108   <label htmlFor='password'>Password</label>
109   <input
110     id='password'
111     type='password'
112     className={"form-control ${this.hasErrorFor('password') ? 'is-invalid' : ''}"
113     name='password'
114     value={this.state.password}
115     onChange={this.handleFieldChange}
116   />
117   {this.renderErrorFor('password')}
118 </div>
119 <Link
120   className='btn btn-secondary'
121   to={'/' }
122 > <BsArrowLeftShort /> Back
123 </Link>
124 <button className='btn btn-primary'>Login <BiLogin /></button>
125 {this.state.alert}
126 </form>
127 </div>
128 </div>
129 </div>
130 </div>
131 </div>
132 )
133 }
134 }
135 export default UserLogin

```

24. Buat lagi file baru bernama **UserIndex.js** dan simpan di direktori **resources/js/components**. Ketik kode berikut ini:

```

CRUD > resources > js > components > JS UserIndex.js > ...
1  import axios from 'axios'
2  import React, { Component } from 'react'
3  import { Link } from 'react-router-dom'
4  import { BsArrowRightShort } from 'react-icons/bs';
5  import SweetAlert from 'react-bootstrap-sweetalert';
6
7  class UserIndex extends Component {
8
9    constructor () {
10      super()
11      this.state = {
12        users: [],
13        msg: null,
14        type: null,
15        flash: false,
16        alert: null,
17      }
18    }
19
20    hideAlert() {
21      this.setState({
22        alert: null
23      });
24    }
25
26    componentDidMount () {
27      axios.get('/api/users').then(response => {
28        this.setState({
29          users: response.data
30        })
31      })
32    }
33
34    confirmDelete(id){
35
36      const getAlert = () => (
37        <SweetAlert
38          warning
39          showCancel
40          confirmBtnText="Ya"
41          cancelBtnText="Tidak"
42          confirmBtnBsStyle="default"
43          cancelBtnBsStyle="danger"
44          title="Tunggu ..."
45          onConfirm={() => this.deleteItem(id)}
46          onCancel={() => this.hideAlert()}
47          focusCancelBtn
48          >
49          Anda yakin ingin menghapus artikel ?
50        </SweetAlert>
51      );
52      this.setState({
53        alert: getAlert()
54      });
55    }
56
57    deleteItem(id) {
58      axios.delete(`/api/article/delete/${id}`).then(response => {
59        var msg = response.data.success;
60        if(msg == true){
61          this.hideAlert();
62          this.goToHome();
63        }
64      })
65    }
66
67    goToHome(){
68      const getAlert = () => (

```

```

67     goToHome(){
68         const showAlert = () => {
69             <SweetAlert
70                 success
71                 title="Success!"
72                 onConfirm={() => this.onSuccess() }
73                 onCancel={this.hideAlert()}
74                 timeout={2000}
75                 confirmBtnText="Oke Siap"
76                 >
77                 Deleted article successfully
78             </SweetAlert>
79         };
80         this.setState({
81             alert: showAlert()
82         });
83     }
84
85     onSuccess(){
86         this.componentDidMount();
87         this.hideAlert();
88     }
89
90     render () {
91         const { users } = this.state
92         return (
93

```

```
CRUD > resources > js > components > JS UserIndex.js > UserIndex > render > users.map() callback
119 </tr>
120 </tr>
121 | <td>{user.email}</td>
122 </tr>
123 <tr height="80px">
124 | <td >{user.password}</td>
125 </tr>
126 <tr>
127 <td width="200" className="text-center">
128 <Link
129 | className='btn btn-primary btn-lg btn-block'
130 | to={` /user/${user.id}`}
131 | >Detail <BsArrowRightShort />
132 </Link>
133 | </td>
134 </tr>
135 </tbody>
136 </table>
137 {this.state.alert}
138 </div>
139 </div>
140 </div>
141 </div>
142 </div>
143 </div>
144 </div>
145 </div>
146 </div>
147 }
148 }
149 }
150
151 export default UserIndex
```

25. Buat file baru bernama **app.blade.php** dan simpan di direktori **resource/views**. Ketik kode berikut ini:

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

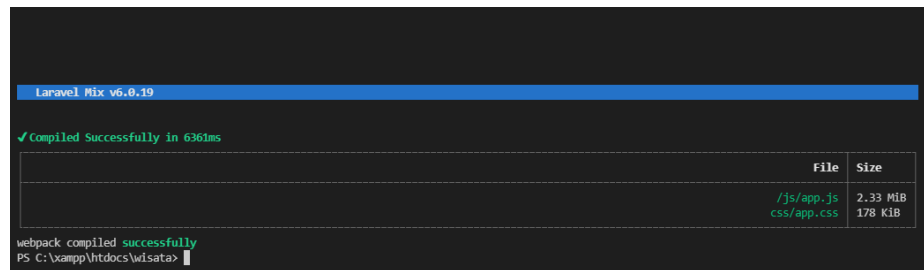
26. Silahkan buka file **resources/js/app.js** kemudian cari kode berikut:

```
require('./components/App');
```

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

27. Ketik command berikut untuk menginstall perubahan yang terjadi:

```
npm run dev
```



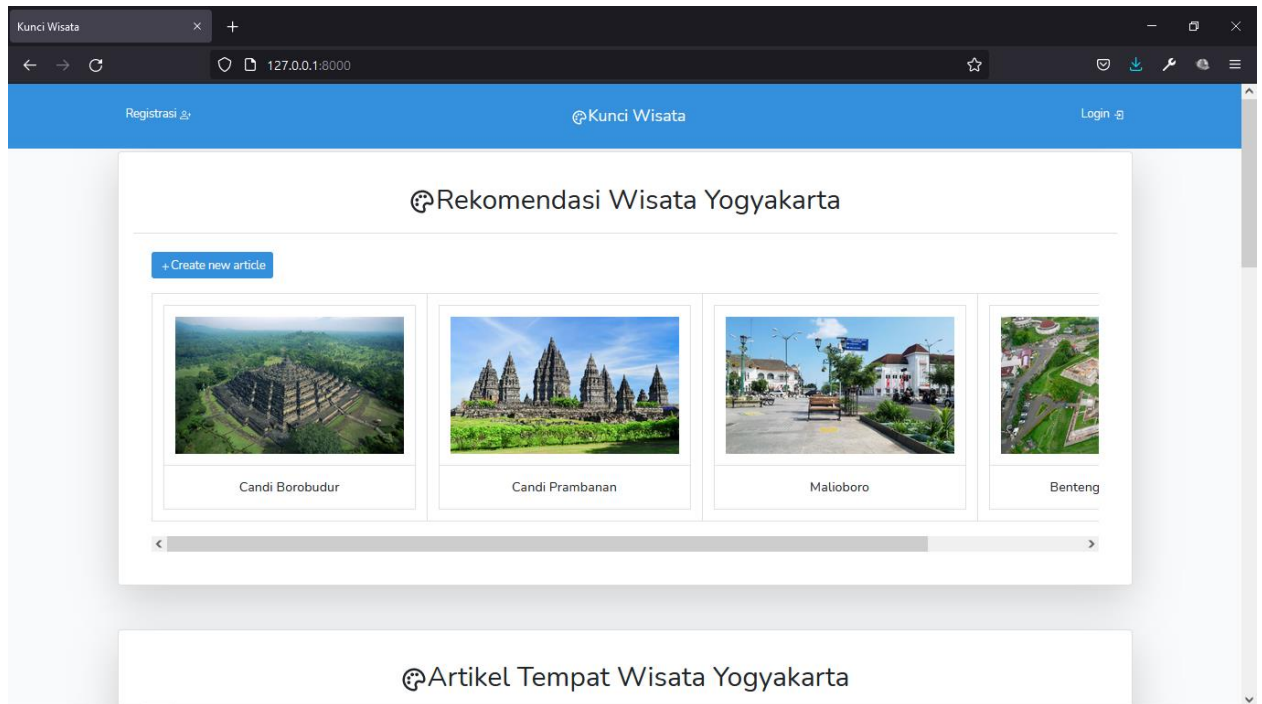
28. Kemudian ketik command berikut:

```
php artisan serve
```

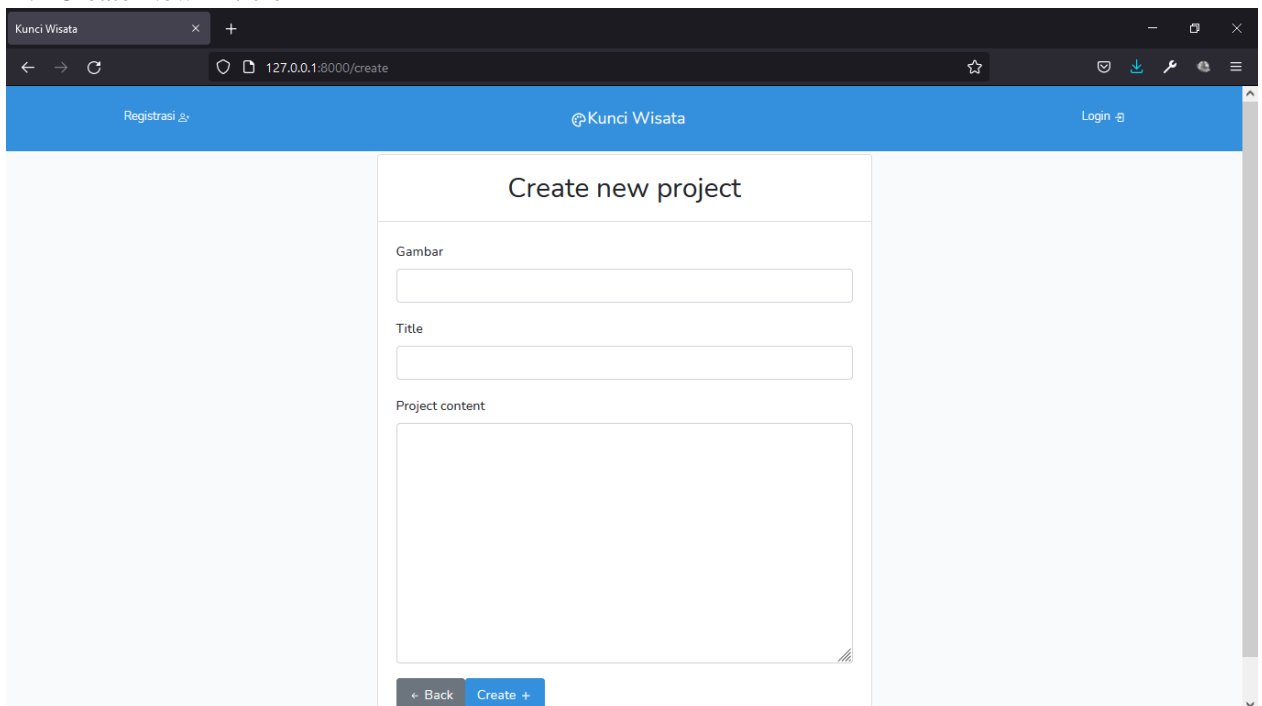
```
Laravel development server started: http://127.0.0.1:8000
[Mon Jun 14 21:49:40 2021] PHP 8.0.6 Development Server (http://127.0.0.1:8000) started
[Mon Jun 14 21:49:44 2021] 127.0.0.1:54747 Accepted
[Mon Jun 14 21:49:45 2021] 127.0.0.1:54747 Closing
[Mon Jun 14 21:49:45 2021] 127.0.0.1:54748 Accepted
[Mon Jun 14 21:49:45 2021] 127.0.0.1:54749 Accepted
[Mon Jun 14 21:49:45 2021] 127.0.0.1:54748 [200]: GET /css/app.css
[Mon Jun 14 21:49:45 2021] 127.0.0.1:54749 [200]: GET /js/app.js
[Mon Jun 14 21:49:45 2021] 127.0.0.1:54748 Closing
[Mon Jun 14 21:49:45 2021] 127.0.0.1:54749 Closing
[Mon Jun 14 21:49:45 2021] 127.0.0.1:54750 Accepted
[Mon Jun 14 21:49:45 2021] 127.0.0.1:54750 Closing
[Mon Jun 14 21:49:45 2021] 127.0.0.1:54751 Accepted
[Mon Jun 14 21:49:45 2021] 127.0.0.1:54756 Accepted
[Mon Jun 14 21:49:45 2021] 127.0.0.1:54751 [200]: GET /favicon.ico
[Mon Jun 14 21:49:46 2021] 127.0.0.1:54756 Closing
[Mon Jun 14 21:49:46 2021] 127.0.0.1:54751 Closing
[Mon Jun 14 21:49:48 2021] 127.0.0.1:54757 Accepted
[Mon Jun 14 21:49:46 2021] 127.0.0.1:54751 Closing
```

29. Hasil

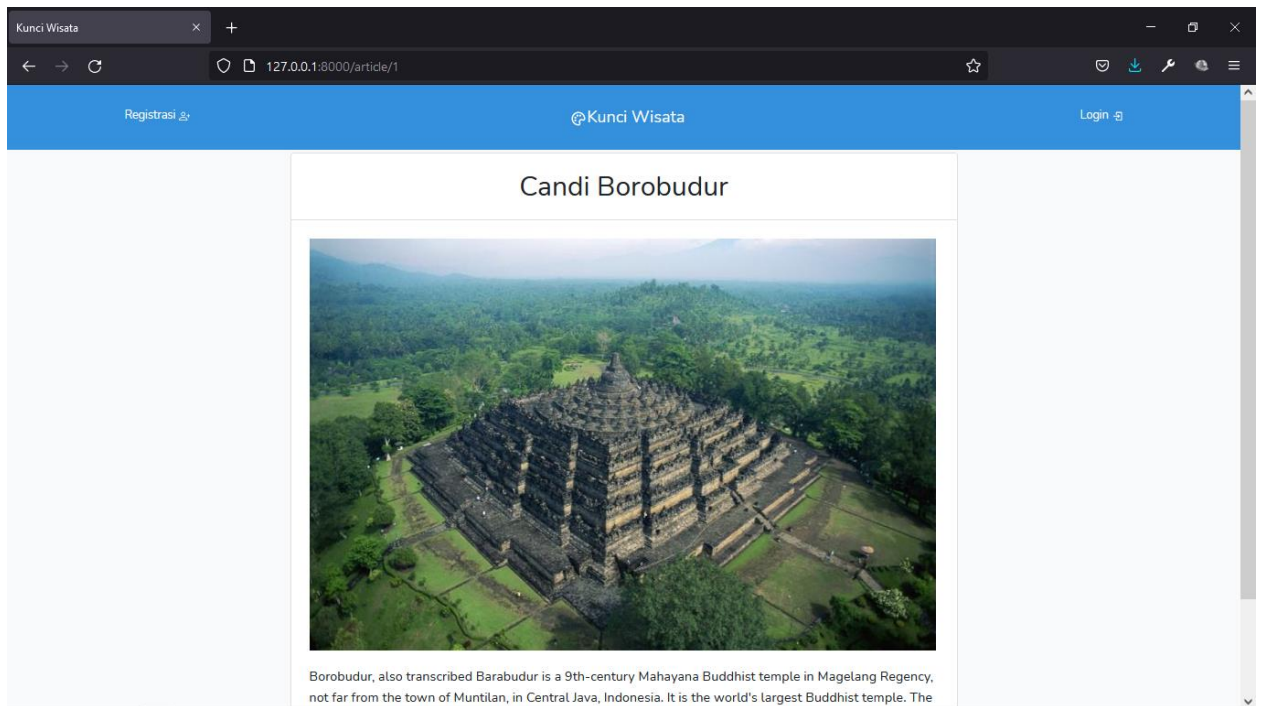
A. Home



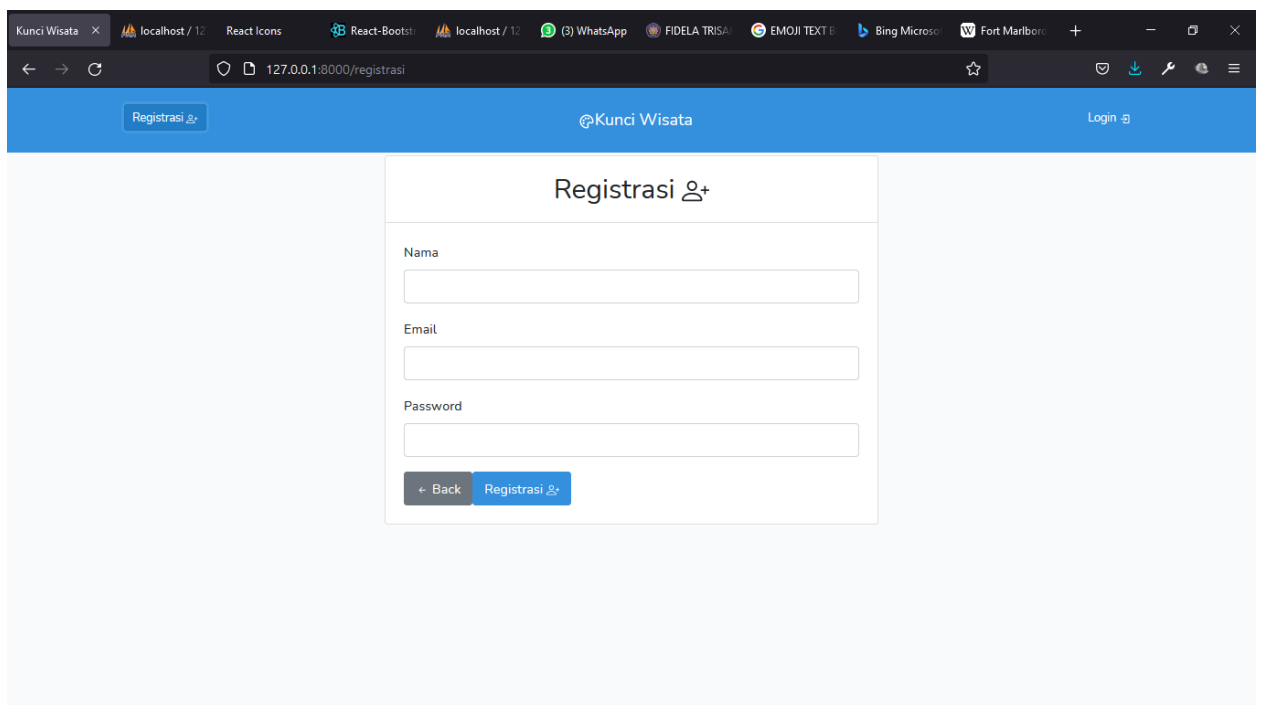
B. Create New Article



C. Detail



D. Registrasi



E. Login

The screenshot shows a web browser window with the address bar displaying "127.0.0.1:8000/login". The page has a blue header with "Registrasi" on the left, "Kunci Wisata" in the center, and a "Login" button on the right. The main content area features a white box titled "Login" with a key icon. Inside this box, there are two input fields: "Email" and "Password". Below these fields are two buttons: "Back" and "Login".

F. Home User

The screenshot shows a web browser window with the address bar displaying "127.0.0.1:8000/user/article". The page has a blue header with "Registrasi" on the left, "Kunci Wisata" in the center, and a "Login" button on the right. The main content area features a white box titled "Artikel Tempat Wisata Yogyakarta" with a key icon. Below the title is a "+ Create new article" button. The page displays four articles in a grid:

- budur**: Aerial view of a forested area. Description: "cribed tury Mahayana igelang the town of va, Indonesia...". Action: "Delete".
- Candi Prambanan test**: Image of Candi Prambanan. Description: "Prambanan or Rara Jonggrang is an 8th-century Hindu temple compound in Special Region of Yogyakarta, Indonesia, dedicated to the Trimūrti, the Preserver and the Destroyer...". Actions: "Detail", "Edit", "Delete".
- Malioboro**: Image of a street in Malioboro. Description: "Jalan Malioboro is a major shopping street in Yogyakarta, Indonesia; the name is also used more generally for the neighborhood around the street. It lies north-south axis in the line...". Actions: "Detail", "Edit", "Delete".
- Benteng Marlborough**: Aerial view of Benteng Marlborough. Description: "Fort Marlborough is a former East India Company fort located in Bengkulu City, Sumatra. It was built between 1713 by the East India Company under the leadership of...". Actions: "Detail", "Edit", "Delete".

G. Edit User

←

→

↺

🔍

127.0.0.1:8000/article/edit/3

☆

📧

⬇️

🔗

🌐

☰

Registrasi

Kunci Wisata

Login

Gambar

http://localhost/CRUD/img/pt1.jpg

Title

Candi Prambanan test

Deskripsi

Prambanan or Rara Jonggrang is an 8th-century Hindu temple compound

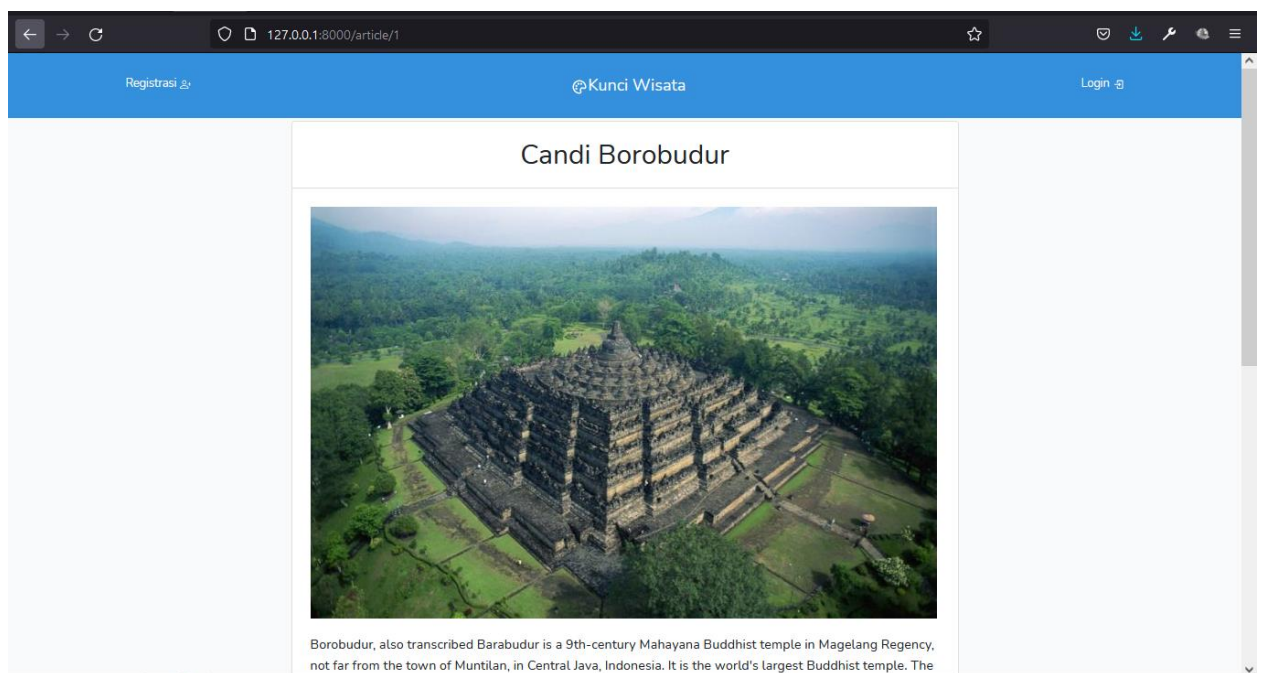
Project content

Prambanan or Rara Jonggrang is an 8th-century Hindu temple compound in Special Region of Yogyakarta, Indonesia, dedicated to the Trimūrti, the Preserver and the Destroyer. The Prambanan temple is the largest Hindu temple of ancient Java. and the first building was completed in the mid-9th century. It was likely started by Rakai Pikatan and inaugurated by his successor King Lokapala. Some historians that adhere to dual dynasty theory; suggest that the construction of Prambanan probably was meant as the Hindu Sanjaya Dynasty's answer to the Buddhist Sailendra Dynasty's Borobudur and Sewu temples nearby. Which means to mark the return of the Hindu Sanjaya Dynasty to power in Central Java after almost a century of

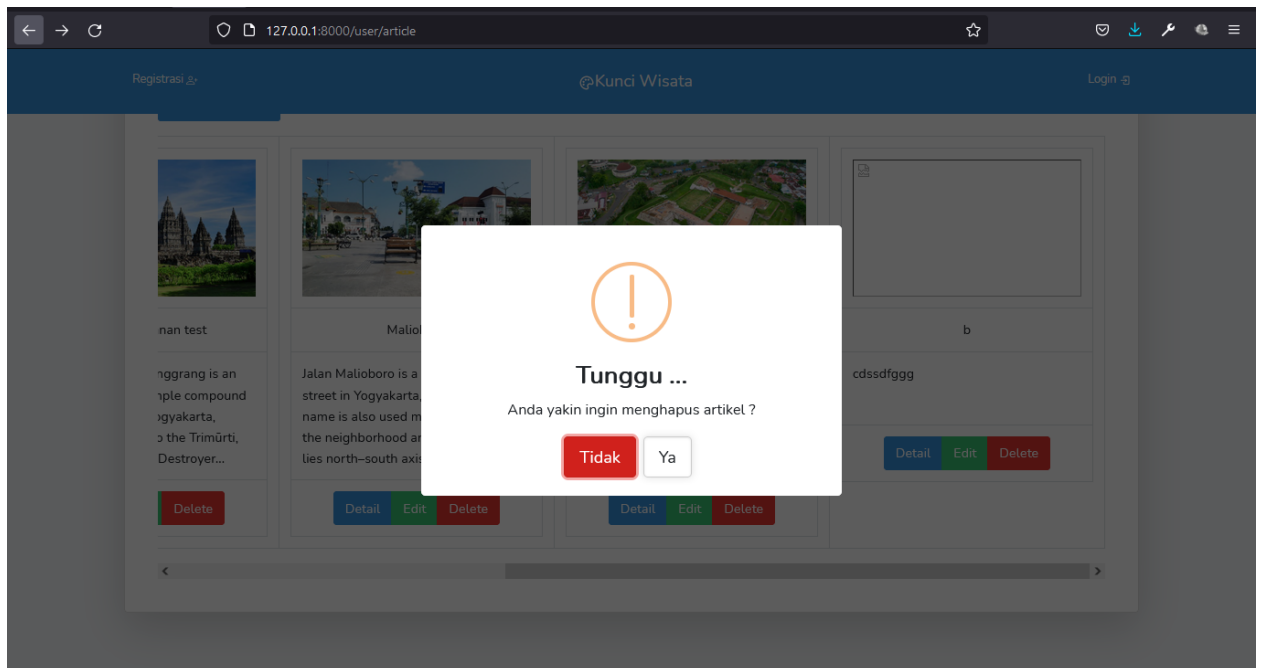
Back

Update

H. Detail User



I. Delete User



J. User

