**Web programozás**

**12.Laborgyakorlat**

1. **Install + create first component**
   1. Laravel 9.3 + Vue3
      1. composer create-project laravel/laravel laravel-vue3-crud
      2. composer require laravel/breeze
      3. php artisan breeze:install
      4. npm install
      5. npm i vue@next
      6. npm install vue-loader@next
      7. npm i @vitejs/plugin-vue
      8. vite.config.js-be

import { defineConfig } from 'vite';

import laravel from 'laravel-vite-plugin';

import vue from '@vitejs/plugin-vue';

export default defineConfig({

plugins: [

laravel({

input: ['resources/css/app.css', 'resources/js/app.js'],

refresh: true,

}),

vue({

template: {

transformAssetUrls: {

base: null,

includeAbsolute: false,

},

},

})

],

});

* + 1. npm run dev
    2. Change route pointing to dashboard blade
       1. Route::view('/', 'dashboard')->name('dashboard');
    3. navigation.blade: bizonyos részek törlése
    4. app.js: alpine törlése
    5. components\Posts\Index.vue komponens létrehozása
    6. import { createApp } from 'vue/dist/vue.esm-bundler';

1. **Feladat:** 
   1. Making Table: copy this table to the Posts\Index.vue

<table *class*="min-w-full divide-y divide-gray-200 border">  
 <thead>  
 <tr>  
 <th *class*="px-6 py-3 bg-gray-50 text-left">  
 <span *class*="text-xs leading-4 font-medium text-gray-500 uppercase tracking-wider">ID</span>  
 </th>  
 <th *class*="px-6 py-3 bg-gray-50 text-left">  
 <span *class*="text-xs leading-4 font-medium text-gray-500 uppercase tracking-wider">Title</span>  
 </th>  
 <th *class*="px-6 py-3 bg-gray-50 text-left">  
 <span *class*="text-xs leading-4 font-medium text-gray-500 uppercase tracking-wider">Content</span>  
 </th>  
 <th *class*="px-6 py-3 bg-gray-50 text-left">  
 <span *class*="text-xs leading-4 font-medium text-gray-500 uppercase tracking-wider">Created at</span>  
 </th>  
 </tr>  
 </thead>  
 <tbody *class*="bg-white divide-y divide-gray-200 divide-solid">  
 <tr>  
 <td *class*="px-6 py-4 whitespace-no-wrap text-sm leading-5 text-gray-900">1</td>  
 <td *class*="px-6 py-4 whitespace-no-wrap text-sm leading-5 text-gray-900">A</td>  
 <td *class*="px-6 py-4 whitespace-no-wrap text-sm leading-5 text-gray-900">Lorem ipsum dolor sit amet,  
 consectetur adipisicing elit, sed do eiusmod  
 tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam,  
 quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo  
 consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse  
 cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non  
 proident, sunt in culpa qui officia deserunt mollit anim id est laborum.  
 </td>  
 <td *class*="px-6 py-4 whitespace-no-wrap text-sm leading-5 text-gray-900">2022-01-01 13:43:47</td>  
 </tr>  
 <tr>  
 <td *class*="px-6 py-4 whitespace-no-wrap text-sm leading-5 text-gray-900">2</td>  
 <td *class*="px-6 py-4 whitespace-no-wrap text-sm leading-5 text-gray-900">B</td>  
 <td *class*="px-6 py-4 whitespace-no-wrap text-sm leading-5 text-gray-900">Lorem ipsum dolor sit amet,  
 consectetur adipisicing elit, sed do eiusmod  
 tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam,  
 quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo  
 consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse  
 cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non  
 proident, sunt in culpa qui officia deserunt mollit anim id est laborum.  
 </td>  
 <td *class*="px-6 py-4 whitespace-no-wrap text-sm leading-5 text-gray-900">2022-01-02 14:43:47</td>  
 </tr>  
 <tr>  
 <td *class*="px-6 py-4 whitespace-no-wrap text-sm leading-5 text-gray-900">3</td>  
 <td *class*="px-6 py-4 whitespace-no-wrap text-sm leading-5 text-gray-900">C</td>  
 <td *class*="px-6 py-4 whitespace-no-wrap text-sm leading-5 text-gray-900">Lorem ipsum dolor sit amet,  
 consectetur adipisicing elit, sed do eiusmod  
 tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam,  
 quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo  
 consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse  
 cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non  
 proident, sunt in culpa qui officia deserunt mollit anim id est laborum.  
 </td>  
 <td *class*="px-6 py-4 whitespace-no-wrap text-sm leading-5 text-gray-900">2022-01-03 15:43:47</td>  
 </tr>  
 </tbody>  
</table>

* 1. tailwind.config.js-be
     1. './resources/js/\*\*/\*.vue',
     2. *const* colors = require('tailwindcss/colors');

1. **Feladat**: *Load Table Data from API*
   1. php artisan make:model Post –mfs
   2. php artisan make:controller Api/PostController
2. **Feladat**: *Composition API*
3. **Feladat**: *Eloquent API Resources*
   1. php artisan make:resource PostResource
4. **Feladat**: *Pagination*
   1. npm install laravel-vue-pagination
   2. import {TailwindPagination} from 'laravel-vue-pagination';
5. **Feladat**: *Category: API resource*
   1. php artisan make:model Category –mfs
   2. php artisan make:migration add\_category\_id\_to\_posts\_table
   3. php artisan migrate:fresh –seed
6. **Feladat**: *Dropdown of categories*
   1. php artisan make:controller Api/CategoryController
   2. php artisan make:resource CategoryResource
   3. Copy this code into Posts\index.vue (above table tag)

<div class="mb-4">

<select v-model="selectedCategory" class="block mt-1 w-full sm:w-1/4 rounded-md shadow-sm border-gray-300 focus:border-indigo-300 focus:ring focus:ring-indigo-200 focus:ring-opacity-50">

<option value="" selected>-- Filter by category --</option>

<option v-for="category in categories" :value="category.id">

{{ category.name }}

</option>

</select>

</div>

1. **Feladat:** *Dropdown: filtering data*
2. **Feladat:** *Ordering data*
   1. Copy this code into Posts\index.vue (inside th, ID, Title, Created at in the header of the table)

<div *class*="flex flex-row items-center justify-between cursor-pointer" *@click*="updateOrdering('id')">  
 <div *class*="leading-4 font-medium text-gray-500 uppercase tracking-wider" *:class*="{ 'font-bold text-blue-600': orderColumn === 'id' }">  
 ID  
 </div>  
 <div *class*="select-none">  
 <span *:class*="{  
 'text-blue-600': orderDirection === 'asc' && orderColumn === 'id',  
 'hidden': orderDirection !== '' && orderDirection !== 'asc' && orderColumn === 'id',  
 }">&uarr;</span>  
 <span *:class*="{  
 'text-blue-600': orderDirection === 'desc' && orderColumn === 'id',  
 'hidden': orderDirection !== '' && orderDirection !== 'desc' && orderColumn === 'id',  
 }">&darr;</span>  
 </div>  
</div>

1. **Feladat:** *Vue Routing*
   1. Change dashboard.blade.php content to:

<!DOCTYPE html>

<html lang="{{ str\_replace('\_', '-', app()->getLocale()) }}">

<head>

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-scale=1">

<meta name="csrf-token" content="{{ csrf\_token() }}">

<title>{{ config('app.name', 'Laravel') }}</title>

<link rel="stylesheet" href="https://fonts.googleapis.com/css2?family=Nunito:wght@400;600;700&display=swap">

<!-- Styles -->

<link rel="stylesheet" href="{{ asset('css/app.css') }}">

<!-- Scripts -->

<script src="{{ asset('js/app.js') }}" defer></script>

</head>

<body class="font-sans antialiased" id="#app">

</body>