

# 중간고사 풀이

박 성 철

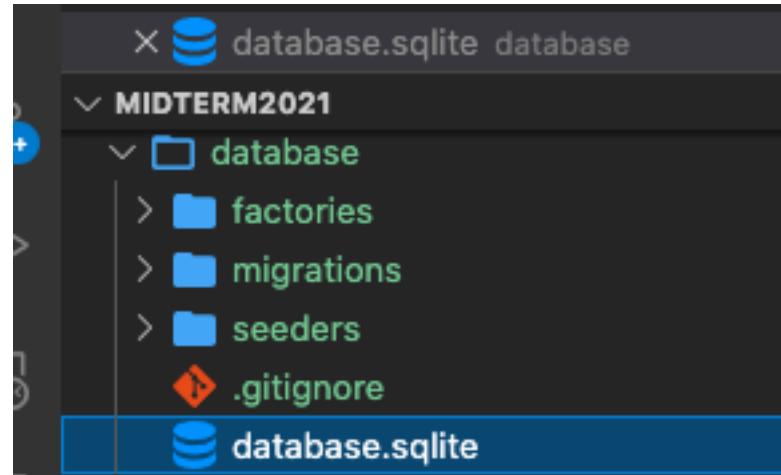
scspark@yju.ac.kr

# 프로젝트 생성, Scaffolding

- composer create-project laravel/laravel midterm2021
- cd midterm2021
- composer require laravel/jetstream
- php artisan jetstream:install inertia
- npm install
- code .
- npm run watch

# 데이터베이스

```
.env .env  
8 LOG_DEPRECATIONS_CHANNEL=null  
9 LOG_LEVEL=debug  
10  
11 DB_CONNECTION=sqlite  
12
```



- php artisan migrate

```
(base) scspark@scsparkui-iMac midterm2021 % php artisan migrate  
Migration table created successfully.  
Migrating: 2014_10_12_000000_create_users_table  
Migrated: 2014_10_12_000000_create_users_table (16.60ms)  
Migrating: 2014_10_12_100000_create_password_resets_table  
Migrated: 2014_10_12_100000_create_password_resets_table (37.66ms)  
Migrating: 2014_10_12_200000_add_two_factor_columns_to_users_table  
Migrated: 2014_10_12_200000_add_two_factor_columns_to_users_table (11.48ms)  
Migrating: 2019_08_19_000000_create_failed_jobs_table  
Migrated: 2019_08_19_000000_create_failed_jobs_table (35.21ms)  
Migrating: 2019_12_14_000001_create_personal_access_tokens_table  
Migrated: 2019_12_14_000001_create_personal_access_tokens_table (42.92ms)  
Migrating: 2021_10_29_065632_create_sessions_table  
Migrated: 2021_10_29_065632_create_sessions_table (13.04ms)  
(base) scspark@scsparkui-iMac midterm2021 %
```

- php artisan make:model Subject -m

```
database > migrations > 2021_10_29_070509_create_subjects_table.php > CreateSubjectsTable >
12     * @return void
13     */
14     public function up()
15     {
16         Schema::create('subjects', function (Blueprint $table) {
17             $table->id();
18             $table->string('name');
19             $table->tinyText('description');
20             $table->unsignedInteger('credit');
21             $table->timestamps();
22         });
23     }
24
25     /**
26     * Reverse the migrations.
27     *
28     * @return void
29     */
30     public function down()
31     {
32         Schema::dropIfExists('subjects');
33     }
34
35 }
```

- php artisan make:migration create\_subject\_user\_table

```
database > migrations > 2021_10_29_071123_create_subject_user_table.php > CreateSubjectUserTable >
  6
  7  class CreateSubjectUserTable extends Migration
  8  {
  9      /**
 10      * Run the migrations.
 11      *
 12      * @return void
 13      */
 14      public function up()
 15      {
 16          Schema::create('subject_user', function (Blueprint $table) {
 17              $table->id();
 18              $table->foreignId('user_id')->constrained()->onDelete('cascade');
 19              $table->foreignId('subject_id')->constrained()->onDelete('cascade');
 20              $table->timestamps();
 21          });
 22      }
 23
 24      /**
 25      * Reverse the migrations.
 26      *
 27      * @return void
 28      */
 29      public function down()
 30      {
 31          Schema::dropIfExists('subject_user');
 32      }
 33  }
```

## • php artisan migrate

```
(base) scpark@scsparkui-iMac midterm2021 % php artisan migrate
Migrating: 2021_10_29_070509_create_subjects_table
Migrated: 2021_10_29_070509_create_subjects_table (97.29ms)
Migrating: 2021_10_29_071123_create_subject_user_table
Migrated: 2021_10_29_071123_create_subject_user_table (10.73ms)
(base) scspark@scsparkui-iMac midterm2021 %
```

MySQL Workbench Screenshot:

- Left Panel (Database Structure):
  - Tables (9): failed\_jobs, migrations, password\_resets, personal\_access\_tokens, sessions, sqlite\_sequence, subject\_user, subjects, users.
  - Indexes (7): failed\_jobs\_uuid\_unique, password\_resets\_email\_index, personal\_access\_tokens\_token\_unique, personal\_access\_tokens\_tokenable\_type\_token..., sessions\_last\_activity\_index, sessions\_user\_id\_index, users\_email\_unique.
  - Views (0).
  - Triggers (0).
- Right Panel (Migration Results):
  - Mode: 문자열
  - Current Cell Data Type: 1
  - Current Table Data:
    - None
  - Create Table Statement for users:

- `php artisan serve`

The screenshot shows a web browser window with the address bar displaying "localhost:8000". The page content is the official Laravel website. At the top, there is a navigation bar with links for "Log in" and "Register". Below the navigation, the Laravel logo is prominently displayed. The main content area is divided into four sections:

- Documentation**: A section featuring a book icon and text about the comprehensive documentation available for Laravel.
- Laracasts**: A section featuring a camera icon and text about Laracasts, which offers thousands of video tutorials on Laravel, PHP, and JavaScript development.
- Laravel News**: A section featuring a speech bubble icon and text about Laravel News, a community-driven portal for news in the Laravel ecosystem.
- Vibrant Ecosystem**: A section featuring a globe icon and text about Laravel's robust library of tools and libraries, including Forge, Vapor, Nova, and Envoyer.

At the bottom of the page, there are links for "Shop" and "Sponsor", and a footer note indicating "Laravel v8.68.1 (PHP v8.0.9)".

# 메뉴 추가

- php artisan make:controller ClassesController --resource

```
routes > 📄 web.php > ...
23     |     );
24     |
25     |
26     });
27
28     Route::middleware(['auth:sanctum', 'verified'])->get('/dashboard', function () {
29         return Inertia::render('Dashboard');
30     })->name('dashboard');
31
32
33     Route::middleware(['auth:sanctum', 'verified'])->get('/classes/registered', [ClassesController::class, 'index_cr'])
34         |     ->name('classes.registered'); // 수강신청한 교과목 리스트 보기
35     Route::middleware(['auth:sanctum', 'verified'])->get('/classes', [ClassesController::class, 'index'])
36         |     ->name('classes'); // 교과목 리스트 보기
37     Route::middleware(['auth:sanctum', 'verified'])->get('/classes/show/{classId}', [ClassesController::class, 'show'])
38         |     ->name('classes.show'); // 특정 교과목 상세보기
39     Route::middleware(['auth:sanctum', 'verified'])->get('/classes/create', [ClassesController::class, 'create'])
40         |     ->name('classes.create'); // 교과목 등록 폼
41     Route::middleware(['auth:sanctum', 'verified'])->post('/classes/store', [ClassesController::class, 'store'])
42         |     ->name('classes.store'); // 교과목 등록
43     Route::middleware(['auth:sanctum', 'verified'])->get('/classes/edit/{classId}', [ClassesController::class, 'edit'])
44         |     ->name('classes.edit');// 교과목 변경 폼
45     Route::middleware(['auth:sanctum', 'verified'])->patch('/classes/update/{classId}', [ClassesController::class, 'update'])
46         |     ->name('classes.update'); // 교과목 변경
47     Route::middleware(['auth:sanctum', 'verified'])->delete('/classes/delete/{classId}', [ClassesController::class, 'destroy'])
48         |     ->name('classes.destroy'); // 교과목 삭제
```

```
resources > js > Layouts > AppLayout.vue > {} "AppLayout.vue" > div.hidden.space-x-8.sm:-my-px.sm:ml-10.sm:flex > jet-nav-link
17          </Link>
18      </div>
19
20      <!-- Navigation Links -->
21      <div class="hidden space-x-8 sm:-my-px sm:ml-10 sm:flex">
22          <jet-nav-link :href="route('classes.registered')" :active="route().current('classes.registered')">
23              수강목록
24          </jet-nav-link>
25          <jet-nav-link :href="route('classes')" :active="route().current('classes')">
26              교과목 목록
27          </jet-nav-link>
28          <jet-nav-link :href="route('classes.create')" :active="route().current(['classes.create'])">
29              교과목 등록
30          </jet-nav-link>
31      </div>
32  </div>
33
```

```
resources > js > Layouts > AppLayout.vue > {} "AppLayout.vue" > div.sm:hidden > div.pt-2.pb-3.space-y-1
147
148      <!-- Responsive Navigation Menu -->
149      <div :class="{'block': showingNavigationDropdown, 'hidden': ! showingNavigationDropdown}" class="sm:hidden">
150          <div class="pt-2 pb-3 space-y-1">
151              <jet-responsive-nav-link :href="route('classes.registered')" :active="route().current('classes.registered')">
152                  수강목록
153              </jet-responsive-nav-link>
154              <jet-responsive-nav-link :href="route('classes')" :active="route().current('classes')">
155                  교과목 목록
156              </jet-responsive-nav-link>
157              <jet-responsive-nav-link :href="route('classes.create')" :active="route().current(['classes.create'])">
158                  교과목 등록
159              </jet-responsive-nav-link>
160          </div>
161
162      <!-- Responsive Settings Options -->
```



Name

Email

Password

Confirm Password

[Already registered?](#)

**REGISTER**



수감목록

교과목 목록

교과목 등록

scspark ▾

## Dashboard



# Laravel Jetstream

## Welcome to your Jetstream application!

Laravel Jetstream provides a beautiful, robust starting point for your next Laravel application. Laravel is designed to help you build your application using a development environment that is simple, powerful, and enjoyable. We believe you should love expressing your creativity through programming, so we have spent time carefully crafting the Laravel ecosystem to be a breath of fresh air. We hope you love it.



localhost:8000/dash...



업데이트



수강목록

교과목 목록

교과목 등록

---

scspark

scspark@yju.ac.kr

Profile

Log Out

---

Dashboard



Laravel Jetstream

Welcome to your Jetstream application!

# 교과목 등록

```
app > Http > Controllers > ClassesController.php > ClassesController > t
18     }
19
20     /**
21      * Show the form for creating a new resource.
22      *
23      * @return \Illuminate\Http\Response
24     */
25    public function create()
26    {
27        return Inertia::render('CreateClass');
28    }
```

- 입력 폼 스타일
  - <https://tailwindcomponents.com/component/simple-blogpost-form-with-ckeditor>
- CKEditor (2번째, 3번째)
  - <https://www.positronx.io/how-to-install-integrate-ckeditor-in-laravel/>
  - <https://stackoverflow.com/questions/68944370/using-ckeditor-in-a-component-with-laravel-inertia>
  - <https://arifhefinix.medium.com/use-ckeditor-with-vue-js-in-laravel-e561cc8e861c>

```
resources > js > JS app.js > ⚙ setup
  3 import { createApp, h } from 'vue';
  4 import { createInertiaApp } from '@inertiajs/inertia-vue3';
  5 import { InertiaProgress } from '@inertiajs/progress';
  6
  7 import CKEditor from '@ckeditor/ckeditor5-vue';
  8
  9 const appName = window.document.getElementsByTagName('title')[0]?.innerText || 'Laravel';
 10
 11 createInertiaApp({
 12   title: (title) => `${title} - ${appName}`,
 13   resolve: (name) => require(`./Pages/${name}.vue`),
 14   setup({ el, app, props, plugin }) {
 15     return createApp({ render: () => h(app, props) })
 16       .use(plugin)
 17       .use(CKEditor) // CKEditor
 18       .mixin({ methods: { route } })
 19       .mount(el);
 20   },
 21 });
 22
 23 InertiaProgress.init({ color: '#4B5563' });
 24
```

```
1  <template>
2      <app-layout title="교과목 등록">
3          <template #header>
4              <h2 class="text-xl font-semibold leading-tight text-gray-800">
5                  교과목 등록
6              </h2>
7          </template>
8          <div class="py-12">
9              <div class="mx-auto max-w-7xl sm:px-6 lg:px-8">
10                 <div class="overflow-hidden bg-white shadow-sm sm:rounded-lg">
11                     <div class="p-6 bg-white border-b border-gray-200">
12                         <form @submit.prevent="submit">
13                             <div class="mb-4">
14                                 <label class="text-xl text-gray-600">교과목명 <span class="text-red-500">*</span></label>
15                                 <input type="text" class="w-full p-2 border-2 border-gray-300" v-model="form.name">
16                             </div>
17
18                             <div class="mb-4">
19                                 <label class="text-xl text-gray-600">학점</label>
20                                 <input type="number" class="w-full p-2 border-2 border-gray-300" v-model="form.credit" />
21                             </div>
22
23                             <div class="mb-8">
24                                 <label class="text-xl text-gray-600">교과목 설명 <span class="text-red-500">*</span></label>
25                                 <!-- <textarea v-model="form.description" id="description" class="border-2 border-gray-500 ckeditor"><!--
26                                 <ckeditor :editor="editor" v-model="form.description" :config="editorConfig"></ckeditor>
27                             </div>
28
29                             <div class="flex p-1">
30                                 <button role="submit" class="p-3 text-white bg-blue-500 hover:bg-blue-400" required>Submit</button>
31                             </div>
32                         </form>
```

```
32             </form>
33         </div>
34     </div>
35   </div>
36 </div>
37 </app-layout>
38 </template>
39
40
41 <script>
42   import ClassicEditor from '@ckeditor/ckeditor5-build-classic';
43   import { defineComponent } from 'vue'
44   import AppLayout from '@/Layouts/AppLayout.vue'
45
46   export default defineComponent({
47     components: {
48       AppLayout,
49     },
50     data() {
51       return {
52         editor: ClassicEditor,
53         form : {
54           name:null,
55           credit: 3,
56           description: '교과목 설명',
57         },
58       }
59     },
60     methods : {
61       submit() {
62         // this.form.description = document.getElementById('description').value;
63         alert(this.form.description) ; return;
64         this.$inertia.post('/classes/store', this.form)
65       }
66     }
67   }
68 )
69 </script>
70
```



수강목록

교과목 목록

교과목 등록

scspark ▾

교과목 등록

교과목명 \*

학점

3

## 교과목 설명 \*

## Paragraph

Page 1

```
app > Models > 🐾 Subject.php > ...
1  <?php
2
3  namespace App\Models;
4
5  use Illuminate\Database\Eloquent\Factories\HasFactory;
6  use Illuminate\Database\Eloquent\Model;
7
8  class Subject extends Model
9  {
10     use HasFactory;
11
12     protected $fillable = ['name', 'credit', 'description'];
13 }
14
```

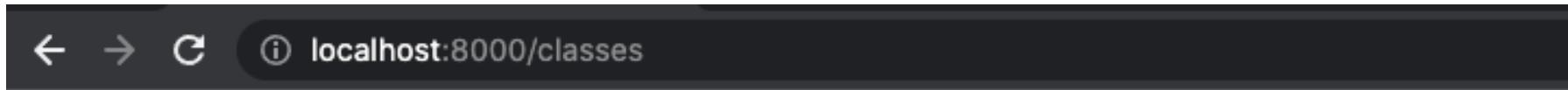
```
app > Http > Controllers > 🐘 ClassesController.php > 🗃 ClassesController > ⚑ show
  ↳ ClassesController.php
42     * @return \Illuminate\Http\Response
43     */
44     public function store(Request $request)
45     {
46         //
47
48         $request->validate(['name' =>'required', 'description'=>'required', 'credit' => 'required|numeric']);
49         // dd($request->description);
50         // Subject::create(
51         //     [
52         //         'name' => $request->name,
53         //         'description'=>$request->description,
54         //         'credit' =>$request->credit,
55         //     ]);
56
57         $subject = new Subject;
58         $subject->name = $request->name;
59         $subject->description = $request->description;
60         $subject->credit = $request->credit;
61         $subject->save();
62         // dd('hi3');
63         return Redirect::route('classes');
64     }
```

app > Http > Controllers > 🏢 ClassesController.php > 📁 ClassesController > ⚑ show

```
8  use Inertia\Inertia;
9
10 class ClassesController extends Controller
11 {
12     /**
13      * Display a listing of the resource.
14      *
15      * @return \Illuminate\Http\Response
16      */
17     public function index()
18     {
19
20         return Inertia::render('ClassList', ['subjects'=>fn()=>Subject::latest()->paginate(10)]);
21     }
22
23     public function index_cr()
```

```
resources > js > Pages > ClassList.vue > {} "ClassList.vue" > template > app-layout > div.p
  1  <template>
  2    <app-layout title="교과목 등록">
  3      <template #header>
  4        <h2 class="text-xl font-semibold leading-tight text-gray-800">
  5          교과목 리스트
  6        </h2>
  7      </template>
  8      <div class="py-12">
  9        <div class="mx-auto max-w-7xl sm:px-6 lg:px-8">
 10          <div class="overflow-hidden bg-white shadow-sm sm:rounded-lg">
 11            <div class="p-6 bg-white border-b border-gray-200">
 12              교과목 리스트
 13            </div>
 14          </div>
 15        </div>
 16      </div>
 17    </app-layout>
 18  </template>
 19
 20
```

```
resources > js > Pages > ClassList.vue > {} "ClassList.vue" > template > app-layout > div.p
  18  </template>
  19
  20
  21  <script>
  22    import { defineComponent } from 'vue'
  23    import AppLayout from '@/Layouts/AppLayout.vue'
  24
  25    export default defineComponent({
  26      components: {
  27        AppLayout,
  28      },
  29      data() {
  30        return {
  31        }
  32      },
  33    },
  34    methods : {
  35    }
  36  })
  37  )
  38  )
  39  </script>
 40
```



수강목록

교과목 목록

교과목 등록

## 교과목 리스트

교과목 리스트

데이터베이스 구조      데이터 보기      Pragma 설정      SQL

테이블: subjects

		id	name	description	credit	created_at	updated_at
	필터	필터	필터	필터	필터	필터	필터
1	2	IT...	<p>Pand...	3	2021-10...	2021-10...	
2	1	웹...	<p>라라밸...	5	2021-10...	2021-10...	
3	3	액...	<p>안드로...	3	2021-10...	2021-10...	

# 정당성 검사 오류 표시하기

localhost:8000/classes/create

The screenshot shows a web browser window with the URL `localhost:8000/classes/create`. The page title is "교과목 등록". The navigation bar includes links for "수강목록", "교과목 목록", and "교과목 등록". A dropdown menu shows "scspark". The main content area contains fields for "교과목명 \*", "학점", and "교과목 설명 \*". The "교과목 설명" field has a red error message: "The description field is required." A blue "Submit" button is at the bottom.

교과목 등록

교과목명 \*

객체지향프로그래밍(I) (분반1)

학점

3

교과목 설명 \*

The description field is required.

Submit

```
resources > js > Pages > CreateClass.vue > {} "CreateClass.vue" > template > app-layout > div.py-12 > div.mx-auto.max-w-7xl.sm:px-6.lg:px-8 > div  
14         <label class="text-xl text-gray-600">교과목명 <span class="text-red-500">*</span></label>  
15         <input type="text" class="w-full p-2 border-2 border-gray-300" v-model="form.name">  
16         <div v-if="errors.name"><span class="text-red-500">{{ errors.name }}</span></div>  
17     </div>  
18  
19         <div class="mb-4">  
20             <label class="text-xl text-gray-600">학점</label>  
21             <input type="number" class="w-full p-2 border-2 border-gray-300" v-model="form.credit">  
22             <div v-if="errors.credit"><span class="text-red-500">{{ errors.credit }}</span></div>  
23         </div>  
24  
25         <div class="mb-8">  
26             <label class="text-xl text-gray-600">교과목 설명 <span class="text-red-500">*</span></label>  
27             <!-- <textarea v-model="form.description" id="description" class="border-2 border-gray-500 ckeditor"></textarea>  
28             <ckeditor :editor="editor" v-model="form.description" :config="editorConfig"></ckeditor>  
29             <div v-if="errors.description"><span class="text-red-500">{{ errors.description }}</span></div>  
30         </div>  
31  
32         <div class="flex p-1">  
33             <button role="submit" class="p-3 text-white bg-blue-500 hover:bg-blue-400" required>Submit</button>  
34     </div>
```

```
resources > js > Pages > CreateClass.vue > {} "CreateClass.vue" > script > <script>  
46     import { defineComponent } fr  
47     import AppLayout from '@/Layo  
48  
49     export default defineComponen  
50     <script>  
51         props: {  
52             errors: Object,  
53         },  
54         components: {
```

# 교과목 리스트

- Tailwind.css 스타일
  - <https://tailwindcomponents.com/component/table-responsive-with-filters>
- Pagination
  - <https://www.codecheef.org/article/laravel-8-inertia-js-pagination-example-from-scratch>
- Inertia Client side install
  - npm install @inertiajs/inertia @inertiajs/inertia-vue3
- Inertia Link
  - <https://inertiajs.com/links>

resources > js > Pages >  ClassList.vue > {} "ClassList.vue" >  script

```
1  <template>
2    <app-layout title="교과목 등록">
3      <template #header>
4        <h2 class="text-xl font-semibold leading-tight text-gray-800">
5          교과목 리스트
6        </h2>
7      </template>
8      <!-- component -->
9      <body class="antialiased font-sans bg-gray-200">
10     <div class="container mx-auto px-4 sm:px-8">
11       <div class="py-8">
12         <div class="-mx-4 sm:-mx-8 px-4 sm:px-8 py-4 overflow-x-auto">
13           <div class="inline-block min-w-full shadow rounded-lg overflow-hidden">
14             <table class="min-w-full leading-normal">
15               <thead>
16                 <tr>
17                   <th
18                     class="px-5 py-3 border-b-2 border-gray-200 bg-gray-1
19                     과과목목명명
20                   </th>
21                   <th
22                     class="px-5 py-3 border-b-2 border-gray-200 bg-gray-1
23                     학점
24                   </th>
25               </tr>
26             </thead>
```

```
27      <tbody>
28          <tr v-for="subject in subjects.data" :key="subject.id">
29              <td class="px-5 py-5 border-b border-gray-200 bg-white text-sm">
30                  <p class="text-gray-900 whitespace-no-wrap">
31                      {{ subject.name }}
32                  </p>
33              </td>
34              <td class="px-5 py-5 border-b border-gray-200 bg-white text-sm">
35                  <p class="text-gray-900 whitespace-no-wrap">
36                      {{ subject.credit }}
37                  </p>
38              </td>
39          </tr>
40      </tbody>
41  </table>
42  <div
43      class="px-5 py-5 bg-white border-t flex flex-col xs:flex-row items-center xs:j
44          <pagination class="mt-6" :links="subjects.links" />
45      </div>
46  </div>
47  </div>
48  </div>
49  </div>
50      </body>
51  </app-layout>
52</template>
53
```

resources > js > Pages >  ClassList.vue > {} "ClassList.vue" >  script

```
52     </template>
53
54
55     <script>
56         import { defineComponent } from 'vue'
57         import AppLayout from '@/Layouts/AppLayout.vue'
58
59         import Pagination from '@/Components/Pagination'
60
61         export default defineComponent({
62             props:['subjects'],
63             components: {
64                 AppLayout,
65                 Pagination,
66             },
67             data() {
68                 return {
69                     }
70                 },
71             methods : {
72                 }
73             }
74         }
75     }
76 )
77     </script>
78 
```

```
resources > js > Components >  Pagination.vue > {} "Pagination.vue"
```

```
2  template>
3      <div v-if="links.length > 3">
4          <div class="flex flex-wrap -mb-1">
5              <template v-for="(link, k) in links" :key="k">
6                  <div v-if="link.url === null" class="mr-1 mb-1 px-4 py-1 text-sm leading-normal">
7                      <Link v-else class="mr-1 mb-1 px-4 py-3 text-sm leading-normal">
8              </template>
9          </div>
10     </div>
11 </template>
12
13 <script>
14 import { Link } from '@inertiajs/inertia-vue3'
15 export default {
16     props: {
17         links: Array,
18     },
19     components : {Link},
20
21 </script> |
```



수강목록

교과목 목록

교과목 등록

scspark

## 교과목 리스트

과과목목명	학점
객체지향프로그래밍(I)	3
IT창의공학실무	3



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교과목 등록

scspark ▾

## 교과목 리스트

# 교과목 상세보기

```
resources > js > Pages > ▼ ClassList.vue > {} "ClassList.vue" > ⚒ template > ⚒ app-layout > ⚒ body.antialiased.font-sans.bg-gray-200 > ⚒ div.cc
27
28           <tr v-for="subject in subjects.data" :key="subject.id">
29             <td class="px-5 py-5 border-b border-gray-200 bg-white text-sm">
30               <p class="text-gray-900 whitespace-no-wrap">
31                 <Link :href="'/classes/show/' + subject.id"> {{ subject.name }} </Link>
32               </p>
33             </td>
34             <td class="px-5 py-5 border-b border-gray-200 bg-white text-sm">
```

```
resources > js > Pages > ▼ ClassList.vue > {} "ClassList.vue" > ⚒ scss
58
59   import Pagination from '@/Components/Pagination'
60
61   import { Link } from '@inertiajs/inertia-vue3'
62
63   export default defineComponent({
64     props:['subjects'],
65     components: {
66       AppLayout,
67       Pagination,
68       Link,
69     },
70     data() {
```

app > Http > Controllers > 🏃 ClassesController.php > 📁 ClassesController > ⚡ show

```
68     * @param int $id
69     * @return \Illuminate\Http\Response
70     */
71    public function show($id)
72    {
73        $subject = Subject::find($id);
74        return Inertia::render('ShowClass', ['subject' => $subject]);
75    }
76
77    /**

```

# Inertia modal

- <https://jetstream.laravel.com/2.x/stacks/inertia.html#modals>

# ShowClass.vue

```
1 <template>
2   <app-layout title="교과목 등록">
3     <template #header>
4       <h2 class="text-xl font-semibold leading-tight text-gray-800">
5         교과목 상세보기
6       </h2>
7     </template>
8     <div class="py-12">
9       <div class="mx-auto max-w-7xl sm:px-6 lg:px-8">
10      <div class="overflow-hidden bg-white shadow-sm sm:rounded-lg">
11        <div class="p-6 bg-white border-b border-gray-200">
12
13        <div class="mb-4">
14          <label class="text-xl text-gray-600">교과목명 </label>
15          <div class="w-full p-2 border-2 border-gray-300">{{subject.name}}</div>
16        </div>
17
18        <div class="mb-4">
19          <label class="text-xl text-gray-600">학점</label>
20          <div class="w-full p-2 border-2 border-gray-300">{{ subject.credit }}</div>
21        </div>
22
23        <div class="mb-8">
24          <label class="text-xl text-gray-600">교과목 설명 </label>
25          <div class="w-full p-2 border-2 border-gray-300" v-html="subject.description"></div>
26        </div>
    > subject
```

```
27     <div class="mb-8">
28         <label class="text-xl text-gray-600">등록일 </label>
29         <div class="w-full p-2 border-2 border-gray-300">{{subject.created_at}}</div>
30     </div>
31     <div class="mb-8">
32         <label class="text-xl text-gray-600">변경일</label>
33         <div class="w-full p-2 border-2 border-gray-300">{{subject.updated_at}}</div>
34     </div>
35
36     <div class="flex p-1 mb-8">
37         <button @click="open_update_modal"
38             class="p-3 mr-4 text-white bg-blue-500 hover:bg-blue-400" required>수정</button>
39         <button @click="delete_class"
40             class="p-3 mr-4 text-white bg-red-400 hover:bg-red-600" required>삭제</button>
41
42         <button @click="register_class"
43             class="p-3 mr-4 text-black bg-green-400 hover:bg-green-300" required>수강신청</button>
44         <button @click="unregister_class"
45             class="p-3 text-black bg-yellow-400 hover:bg-yellow-600" required>수강취소</button>
46     </div>
47     </div>
48 </div>
49 </div>
50 </div>
```

```
52     <jet-dialog-modal :show="confirmUpdate" @close="confirmUpdate = false">
53         <template #title>
54             교과목 수정
55         </template>                                            교과목 수정을 위한 모달창
56
57         <template #content>
58             <div class="mb-4">
59                 <label class="text-xl text-gray-600">교과목명 </label>
60                 <input type="text" class="w-full p-2 border-2 border-gray-300" v-model="form.name">
61                 <div v-if="errors.name"><span class="text-red-500">{{ errors.name }}</span></div>
62             </div>
63
64             <div class="mb-4">
65                 <label class="text-xl text-gray-600">학점</label>
66                 <input type="number" class="w-full p-2 border-2 border-gray-300" v-model="form.credit">
67                 <div v-if="errors.credit"><span class="text-red-500">{{ errors.credit }}</span></div>
68             </div>
69
70             <div class="mb-8">
71                 <label class="text-xl text-gray-600">교과목 설명 <span class="text-red-500">*</span></label>
72                 <ckeditor :editor="editor" v-model="form.description" :config="editorConfig"></ckeditor>
73                 <div v-if="errors.description"><span class="text-red-500">{{ errors.description }}</span></div>
74             </div>
75         </template>
```

```
76
77      <template #footer>
78          <jet-secondary-button @click.native="confirmUpdate = false">
79              Cancel
80          </jet-secondary-button>
81
82          <jet-danger-button class="ml-2" @click.native="update_class" >
83              Update
84          </jet-danger-button>
85      </template>
86  </jet-dialog-modal>
87 </app-layout>
88 </template>
89
90
91 <script>
92     import { defineComponent } from 'vue'
93     import AppLayout from '@/Layouts/AppLayout.vue'
94     import JetDialogModal from '@/Jetstream/DialogModal.vue'
95     import ClassicEditor from '@ckeditor/ckeditor5-build-classic';
96
```

```
97     export default defineComponent({
98       props : {'subject':Object, 'errors':Object},
99       components: {
100         AppLayout,
101         JetDialogModal,
102       },
103       data() {
104         return {
105           editor: ClassicEditor,
106           editorConfig: { autoGrow_minHeight : 300},
107           form : {
108             name:null,
109             credit: 3,
110             description: '교과목 설명',
111           },
112           confirmUpdate : false,
113         }
114       },
115       methods : {
116         open_update_modal() {
117           this.form.name = this.subject.name;
118           this.form.credit = this.subject.credit;
119           this.form.description = this.subject.description;
120
121           this.confirmUpdate = true;
122         },
123       }
124     }
125   }
126 }
```

```
123
124     update_class() {
125         this.$inertia.patch('/classes/update/'+this.subject.id, this.form, {
126             onSuccess : () => {
127                 this.form.name = '';
128                 this.form.credit = '';
129                 this.form.description = '';
130                 this.confirmUpdate = false;
131             },
132         });
133     },
134
135     delete_class() {
136     },
137     register_class() {
138     },
139     unregister_class() {
140     },
141     },
142
143     
```

144

```
145     },
146     },
147     }
148 )
149 </script>
```

# ClassesController.php

```
app > Http > Controllers > 🏃 ClassesController.php > 📁 ClassesController > ⚑ update

92     * @param int $id
93     * @return \Illuminate\Http\Response
94     */
95    public function update(Request $request, $id)
96    {
97        $request->validate(['name' => 'required', 'description' => 'required', 'credit' => 'required|numeric']);
98        $subject = Subject::find($id);
99
100       $subject->name = $request->name;
101       $subject->credit = $request->credit;
102       $subject->description = $request->description;
103
104       $subject->save();
105
106       return Redirect::route('classes.show', ['classId' => $id]);
107    }
108
```



수강목록

교과목 목록

교과목 등록

## 교과목 상세보기

### 교과목명

진로계발과 자기분석

### 학점

3

### 교과목 설명

이력서 작성 및 면접 대비 자기분석 방법에 대해 학습한다.

### 등록일

2021-10-30T12:47:34.000000Z

### 변경일

2021-10-30T13:49:45.000000Z

수정

삭제

수강신청

수강취소



수강목록

교과목 목록

## 교과목 상세보기

## 교과목명

진로계발과 자기분석

## 학점

3

## 교과목 설명

이력서 작성 및 면접 대비 자기분석 방법

## 등록일

2021-10-30T12:47:34.000000Z

## 변경일

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## 교과목 수정

## 교과목명

진로계발과 자기분석

## 학점

3

## 교과목 설명 \*

Paragraph



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이력서 작성 및 면접 대비 자기분석 방법에 대해 학습한다.

자기분석 결과를 기반으로 이력서 작성 및 면접 스킬을 배양한다.



Cancel Update

수정

삭제

수강신청

수강취소

[수강목록](#)[교과목 목록](#)[교과목 등록](#)

## 교과목 상세보기

### 교과목명

진로계발과 자기분석

### 학점

3

### 교과목 설명

이력서 작성 및 면접 대비 자기분석 방법에 대해 학습한다.  
자기분석 결과를 기반으로 이력서 작성 및 면접 스킬을 배양한다.

### 등록일

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### 변경일

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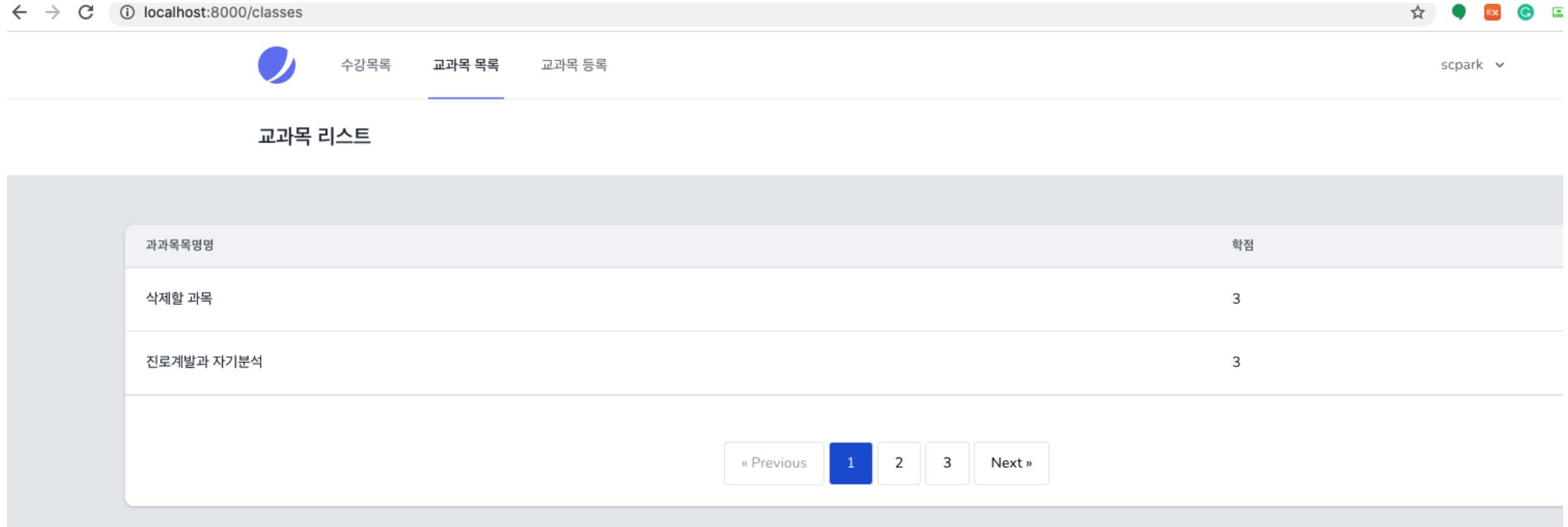
[수정](#)[삭제](#)[수강신청](#)[수강취소](#)

# 교과목 삭제하기

```
resources > js > Pages > ShowClass.vue > script > default > methods
130
131     },
132     });
133 },
134
135     delete_class() {
136         this.$inertia.delete('/classes/delete/'+this.subject.id)
137     },
138
139     register_class() {
```

# ClassesController

```
app > Http > Controllers > 🐾 ClassesController.php > 🗑 ClassesController > ⚘ destroy
113     * @return \Illuminate\Http\Response
114     */
115     public function destroy($id)
116     {
117         $subject = Subject::find($id);
118
119         $subject->delete();
120
121         return Redirect::route('classes');
122     }
123 }
124 }
```





수강목록

교과목 목록

교과목 등록

## 교과목 상세보기

### 교과목명

삭제할 과목

### 학점

3

### 교과목 설명

교과목 설명

### 등록일

2021-10-30T15:20:01.000000Z

### 변경일

2021-10-30T15:20:01.000000Z

수정

삭제

수강신청

수강취소



수강목록

교과목 목록

교과목 등록

## 교과목 리스트

과과목목명명

학점

진로계발과 자기분석

3

시스템분석설계

3

« Previous

1

2

3

Next »

- 날짜 포맷
  - <https://ux.stories.pe.kr/188>

# 수강신청/수강취소

- User.php

```
app > Models > User.php > User > subjects
56     * @var array
57     */
58     protected $appends = [
59         'profile_photo_url',
60     ];
61
62     function subjects()
63     {
64         return $this->belongsToMany(Subject::class);
65     }
66 }
67
```

- Subject.php

```
app > Models > 🐘 Subject.php > 📄 Subject > 📁 users
  7
  8     class Subject extends Model
  9     {
 10         use HasFactory;
 11
 12         protected $fillable = ['name', 'credit', 'description'];
 13
 14         function users()
 15         {
 16             return $this->belongsToMany(User::class);
 17         }
 18     }
 19
```

# ClassesController

```
app /> http /> Controllers /> ClassesController.php /> ClassesController
 68     * @param int $id
 69     * @return \Illuminate\Http\Response
 70     */
 71     public function show($id)
 72     {
 73         // $subject = Subject::find($id);
 74         // return Inertia::render('ShowClass', ['subject' => $subject]);
 75
 76         // Partial reloads를 고려해 아래와 같이 수정한다.
 77         // 로그인한 사용자가 $id에 해당하는 과목을 이미 수강신청했는지 여부도 함께 전달한다.
 78         return Inertia::render(
 79             'ShowClass',
 80             [
 81                 'subject' => fn () => Subject::find($id),
 82                 'registeredClass' => fn () => auth()->user()->subjects->contains($id),
 83             ]
 84         );
 85     }
 86 }
```

# ShowClass.vue

```
resources > js > Pages > ShowClass.vue > {} "ShowClass.vue" > template > app-layout > div.py-12 > div.mx-auto.max-w-7xl.sm:px-6  
39 |         <button @click="delete_class"  
40 |             class="p-3 mr-4 text-white bg-red-400 hover:bg-red-600" required>삭제</button>  
41 |  
42 |         <button @click="register_class" v-if="registeredClass==false"  
43 |             class="p-3 mr-4 text-black bg-green-400 hover:bg-green-300" required>수강신청</button>  
44 |         <button @click="unregister_class" v-if="registeredClass"  
45 |             class="p-3 text-black bg-yellow-400 hover:bg-yellow-600" required>수강취소</button>  
46 |     </div>  
47 |     </div>  
48 |     </div>  
49 |     </div>  
50 | </div>
```

```
resources > js > Pages > ShowClass.vue > {} "ShowClass.vue" > script > default > props >  
96  
97 |     export default defineComponent({  
98 |         props : {'subject':Object, 'errors':Object, 'registeredClass' : Boolean},  
99 |         components: {  
100 |             AppLayout
```

[수강목록](#)[교과목 목록](#)[교과목 등록](#)

## 교과목 상세보기

### 교과목명

진로계발과 자기분석

### 학점

3

### 교과목 설명

이력서 작성 및 면접 대비 자기분석 방법에 대해 학습한다.  
자기분석 결과를 기반으로 이력서 작성 및 면접 스킬을 배양한다.

### 등록일

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### 변경일

2021-10-30T15:10:29.000000Z

[수정](#)[삭제](#)[수강신청](#)

# web.php

```
routes > web.php > ...
32
33     Route::middleware(['auth:sanctum', 'verified'])->get('/classes/registered', [ClassesController::class, 'index_cr'])
34     |     ->name('classes.registered'); // 수강신청한 교과목 리스트 보기
35     Route::middleware(['auth:sanctum', 'verified'])->get('/classes', [ClassesController::class, 'index'])
36     |     ->name('classes'); // 교과목 리스트 보기
37     Route::middleware(['auth:sanctum', 'verified'])->get('/classes/show/{classId}', [ClassesController::class, 'show'])
38     |     ->name('classes.show'); // 특정 교과목 상세보기
39     Route::middleware(['auth:sanctum', 'verified'])->get('/classes/create', [ClassesController::class, 'create'])
40     |     ->name('classes.create'); // 교과목 등록 품
41     Route::middleware(['auth:sanctum', 'verified'])->post('/classes/store', [ClassesController::class, 'store'])
42     |     ->name('classes.store'); // 교과목 등록
43     // Route::middleware(['auth:sanctum', 'verified'])->get('/classes/edit/{classId}', [ClassesController::class, 'edit'])
44     //     ->name('classes.edit');// 교과목 변경 품
45     Route::middleware(['auth:sanctum', 'verified'])->patch('/classes/update/{classId}', [ClassesController::class, 'update'])
46     |     ->name('classes.update'); // 교과목 변경
47     Route::middleware(['auth:sanctum', 'verified'])->delete('/classes/delete/{classId}', [ClassesController::class, 'destroy'])
48     |     ->name('classes.destroy'); // 교과목 삭제
49
50     Route::middleware(['auth:sanctum', 'verified'])->post('/classes/register/{classId}', [ClassesController::class, 'register'])
51     |     ->name('classes.register'); // 수강신청 및 수강취소
```

# ClassesController

```
app > Http > Controllers > 🐄 ClassesController.php > ...
131     return Redirect::route('classes');
132 }
133
134 public function register($id)
135 {
136     // subject_user 테이블에 [auth()->user()->id, $id] 레코드가 있으면 삭제, 없으면 삽입.
137     auth()->user()->subjects()->toggle($id);
138
139     return Redirect::route('classes.show', ['classId' => $id]);
140 }
141 }
142 |
```

# ShowClass.vue

```
resources > js > Pages > ShowClass.vue > "ShowClass.vue" > script > default > methods
136     this.$inertia.delete('/classes/delete/'+this.subject.id)
137 },
138
139 <register_class() {
140     this.$inertia.post('/classes/register/'+this.subject.id, {}, {only: ['registeredClass']})
141 },
142
143 <unregister_class() {
144     this.register_class();
145 }
146 },
147 }
148 )
149 </script>
150
```

[수강목록](#)[교과목 목록](#)[교과목 등록](#)

## 교과목 상세보기

### 교과목명

진로계발과 자기분석

### 학점

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### 교과목 설명

이력서 작성 및 면접 대비 자기분석 방법에 대해 학습한다.  
자기분석 결과를 기반으로 이력서 작성 및 면접 스킬을 배양한다.

### 등록일

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### 변경일

2021-10-30T15:10:29.000000Z

[수정](#)[삭제](#)[수강신청](#)

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## 교과목 상세보기

### 교과목명

진로계발과 자기분석

### 학점

3

### 교과목 설명

이력서 작성 및 면접 대비 자기분석 방법에 대해 학습한다.  
자기분석 결과를 기반으로 이력서 작성 및 면접 스킬을 배양한다.

### 등록일

2021-10-30T12:47:34.000000Z

### 변경일

2021-10-30T15:10:29.000000Z

[수정](#)[삭제](#)[수강취소](#)

데이터베이스 구조    데이터 보기    Pragma 설정    SQL 실행

테이블: **subject\_user**

id	user_id	subject_id	created_at	updated_at
1	1	1	5	NULL

```
resources > js > Pages > ShowClass.vue > {} "ShowClass.vue" > script > default > methods
136     this.$inertia.delete('/classes/delete/'+this.subject.id)
137 },
138
139     register_class() {
140         this.$inertia.post('/classes/register/'+this.subject.id,
141             {},
142             {
143                 only:['registeredClass'],
144                 preserveScroll: true,
145             })
146     },
147
148     unregister_class() {
149         this.register_class();
150     }
151 },
152 }
153 )
154 </script>
155
```

# 수강과목 리스트

- ClassesController

```
app > Http > Controllers > ClassesController.php > ClassesController > index_cr
20     return Inertia::render('ClassList', ['subjects' => fn () => Subject::latest()->paginate(2)]);
21 }
22
23 public function index_cr()
24 {
25     return Inertia::render('ClassesRegistered', ['subjects' => fn () => auth()->user()->subjects]);
26 }
27
28 }
```

# ClassesRegistered.vue

- ClassList.vue 파일 복사 붙여넣기 후 수정

```
2     <app-layout title="교과목 등록">
3         <template #header>
4             <h2 class="text-xl font-semibold leading-tight text-gray-800">
5                 수강 교과목 리스트
6             </h2>
7         </template>
8     <!-- component -->
9     <body class="antialiased font-sans bg-gray-200">
10    <div class="container mx-auto px-4 sm:px-8">
11        <div class="py-8">
12            <div class="-mx-4 sm:-mx-8 px-4 sm:px-8 py-4 overflow-x-auto">
13                <div class="inline-block min-w-full shadow rounded-lg overflow-hidden">
14                    <table class="min-w-full leading-normal">
15                        <thead>
16                            <tr>
17                                <th
18                                    class="px-5 py-3 border-b-2 border-gray-200 bg-white text-left">
19                                    과목명
20                                </th>
21                                <th
22                                    class="px-5 py-3 border-b-2 border-gray-200 bg-white text-left">
23                                    학점
24                                </th>
25                                <th
26                                    class="px-5 py-3 border-b-2 border-gray-200 bg-white text-left">
27                                    수강신청자 수
28                                </th>
29                            </tr>
30                        </thead>
```

```
31          <tbody>
32              <tr v-for="subject in subjects.data" :key="subject.id">
33                  <td class="px-5 py-5 border-b border-gray-200 bg-white text-sm">
34                      <p class="text-gray-900 whitespace-no-wrap">
35                          <Link :href="/classes/show/+subject.id" > {{ subject.name }} </Link>
36                      </p>
37                  </td>
38                  <td class="px-5 py-5 border-b border-gray-200 bg-white text-sm">
39                      <p class="text-gray-900 whitespace-no-wrap">
40                          {{ subject.credit }}
41                      </p>
42                  </td>
43                  <td class="px-5 py-5 border-b border-gray-200 bg-white text-sm">
44                      <p class="text-gray-900 whitespace-no-wrap">
45                          {{ subject.users.length }}
46                      </p>
47                  </td>
48              </tr>
49          </tbody>
50      </table>
51      <div
52          class="px-5 py-5 bg-white border-t flex flex-col xs:flex-row items-center xs:justify-be
53          <pagination class="mt-6" :links="subjects.links" />
54      </div>
55      </div>
56  </div>
57  </div>
58</div>
59</body>
60</app-layout>
61</template>
```

```
62
63
64 <script>
65   import { defineComponent } from 'vue'
66   import AppLayout from '@/Layouts/AppLayout.vue'
67
68   import Pagination from '@/Components/Pagination'
69
70   import { Link } from '@inertiajs/inertia-vue3'
71
72   export default defineComponent({
73     props:['subjects'],
74     components: {
75       AppLayout,
76       Pagination,
77       Link,
78     },
79     data() {
80       return {
81         }
82       }
83     },
84     methods : {
85
86     }
87   }
88 )
89 </script>
90
```

DevTools is now available in Korean! Always match Chrome's language Switch DevTools to Korean Don't show again

Elements Console Sources Network Performance Memory Application Security Lighthouse Vue

top Filter

This sidebar will be removed in a future version of Chrome. If you have feedback, please let us know via the [issue tracker](#).

8 messages

4 user messages

2 errors

6 warnings

No info

No verbose

▲ [Vue warn]: Failed to resolve component: `jet-danger-button`  
If this is a native custom element, make sure to exclude it from component resolution via compilerOptions.isCustomElement.  
at <ShowClass jetstream=▶ {canCreateTeams: false, canManageTwoFactorAuthentication: true, canUpdatePassword: true, canUpdatePr  
▶ {id: 1, name: 'scspark', email: 'scspark@ju.ac.kr', email\_verified\_at: null, current\_team\_id: null, ...} errorBags=▶ [] ...>  
at <Inertia initialPage=▶ {component: 'ShowClass', props: {}, url: '/classes/show/5', version: '207fd484b7c2ceeff7800b8c8a11t  
resolveComponent=fn<m> ...>  
at <App>

▲ DevTools failed to load source map: Could not load content for <http://localhost:8000/js/index.js.map>: HTTP error: status code 404.

▲ [Vue warn]: Unhandled error during execution of render function  
at <Pagination class="mt-6" links=undefined>  
at <AppLayout title="교과목 등록">  
at <ClassesRegistered jetstream=▶ {canCreateTeams: false, canManageTwoFactorAuthentication: true, canUpdatePassword: true, car  
▶ {id: 1, name: 'scspark', email: 'scspark@ju.ac.kr', email\_verified\_at: null, current\_team\_id: null, ...} errorBags=▶ [] ...>  
at <Inertia initialPage=▶ {component: 'ShowClass', props: {}, url: '/classes/show/5', version: '207fd484b7c2ceeff7800b8c8a11t  
▶ {props: {}, components: {}, methods: {}, data: f, render: f, ...} resolveComponent=fn<m> ...>  
at <App>

▲ [Vue warn]: Unhandled error during execution of scheduler flush. This is likely a Vue internals bug. Please open an issue at [https://github.com/vuejs/vue/issues](#).  
at <Pagination class="mt-6" links=undefined>  
at <AppLayout title="교과목 등록">  
at <ClassesRegistered jetstream=▶ {canCreateTeams: false, canManageTwoFactorAuthentication: true, canUpdatePassword: true, car  
▶ {id: 1, name: 'scspark', email: 'scspark@ju.ac.kr', email\_verified\_at: null, current\_team\_id: null, ...} errorBags=▶ [] ...>  
at <Inertia initialPage=▶ {component: 'ShowClass', props: {}, url: '/classes/show/5', version: '207fd484b7c2ceeff7800b8c8a11t  
▶ {props: {}, components: {}, methods: {}, data: f, render: f, ...} resolveComponent=fn<m> ...>  
at <App>

✖ ▶ Uncaught (in promise) TypeError: Cannot read properties of undefined (reading 'length')  
at Proxy.render ([app.js:21437](#))  
at renderComponentRoot ([app.js:7491](#))  
at ReactiveEffect.componentUpdateFn [as fn] ([app.js:11238](#))  
at ReactiveEffect.run ([app.js:5883](#))  
at setupRenderEffect ([app.js:11364](#))  
at mountComponent ([app.js:11147](#))  
at processComponent ([app.js:11105](#))  
at patch ([app.js:10709](#))  
at mountChildren ([app.js:10896](#))  
at mountElement ([app.js:10805](#))

app > Models > 🐘 Subject.php > 📁 Subject

```
4
5  use Illuminate\Database\Eloquent\Factories\HasFactory;
6  use Illuminate\Database\Eloquent\Model;
7
8  class Subject extends Model
9  {
10     use HasFactory;
11
12     protected $fillable = ['name', 'credit', 'description'];
13
14     protected $with = ['users'];
15
16     function users()
17     {
18         return $this->belongsToMany(User::class);
19     }
20 }
21
```

# ClassesController

```
app > Http > Controllers > 🐘 ClassesController.php > 🏷 ClassesController
19
20     return Inertia::render('ClassList', ['subjects' => fn () => Subject::latest()->paginate(2)]);
21 }
22
23 public function index_cr()
24 {
25     auth()->user()->load('subjects.users');
26
27     return Inertia::render('ClassesRegistered', ['subjects' => fn () => auth()->user()->subjects]);
28 }
29
30 /**
31 * @param string $id
32 */
33 public function show(string $id)
34 {
35     $subject = Subject::find($id);
36
37     if ($subject->users->count() == 0) {
38         return Inertia::render('SubjectEmpty', ['subject' => $subject]);
39     }
40
41     return Inertia::render('SubjectWithStudents', ['subject' => $subject]);
42 }
```

```
resources > js > Pages > ClassesRegistered.vue > {} "ClassesRegistered.vue" > td.px-5.py-5.border-b.borde
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
```

</table>  
<!-- <div  
 class="px-5 py-5 bg-white border-t flex flex-col xs:flex-  
 <pagination class="mt-6" :links="subjects.links" />  
 </div> -->  
</div>  
</div>  
</div>  
</body>  
</app-layout>  
</template>

<script>  
 import { defineComponent } from 'vue'  
 import AppLayout from '@/Layouts/AppLayout.vue'  
  
 // import Pagination from '@/Components/Pagination'  
 import { Link } from '@inertiajs/inertia-vue3'  
  
 export default defineComponent({  
 props:['subjects'],  
 components: {  
 AppLayout,  
 // Pagination,  
 Link,  
 },  
 data() {

## Pagination 삭제



수강목록

교과목 목록

교과목 등록

scpark ▾

## 수강 교과목 리스트

| 과목명        | 학점 | 수강신청자 수 |
|------------|----|---------|
| 진로계발과 자기분석 | 3  | 2       |
| 시스템분석설계    | 3  | 1       |

resources > js > Pages >  ClassesRegistered.vue > {} "ClassesRegistered.vue" >  script > 

```
1   <template>
2     <app-layout title="교과목 등록">
3       <template #header>
4         <h2 class="text-xl font-semibold leading-tight text-gray-800">
5           수강 교과목 리스트
6         </h2>
7         <h3>
8           수강과목 수 : {{ numOfRegisteredClasses }}
9         </h3>
10        <h3>
11          수강학점 : {{ totalCredits }}
12        </h3>
13      </template>
14    <!-- component -->
```

resources > js > Pages >  ClassesRegistered.vue > {} "ClassesRegistered.vue" >  sc

```
89      },
90      methods : {
91      },
92      computed : {
93        numOfRegisteredClasses() {
94          return this.subjects.length;
95        },
96      },
97      totalCredits() {
98        let sum = 0;
99        for (let i = 0 ; i < this.subjects.length; i++) {
100          sum += parseInt(this.subjects[i].credit);
101        }
102        return sum;
103      }
104    }
105  }
106}
107)
108</script>
```

[수강목록](#)[교과목 목록](#)[교과목 등록](#)

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## 수강 교과목 리스트

수강과목 수 : 2

수강학점 : 6

| 과목명        | 학점 | 수강신청자 수 |
|------------|----|---------|
| 진로계발과 자기분석 | 3  | 2       |
| 시스템분석설계    | 3  | 1       |

```
routes > 🏠 web.php > ...
44 //           ->name('classes.edit');// 교과목 변경 품
45 Route::middleware(['auth:sanctum', 'verified'])->patch('/classes/update/{classId}', [ClassesController::class, 'update'])
46     ->name('classes.update'); // 교과목 변경
47 Route::middleware(['auth:sanctum', 'verified'])->delete('/classes/delete/{classId}', [ClassesController::class, 'destroy'])
48     ->name('classes.destroy'); // 교과목 삭제
49
50 Route::middleware(['auth:sanctum', 'verified'])->post('/classes/register/{classId}', [ClassesController::class, 'register'])
51     ->name('classes.register'); // 수강신청 및 수강취소
52
53 Route::middleware(['auth:sanctum', 'verified'])->post('/classes/users/{classId}', [ClassesController::class, 'users'])
54     ->name('classes.users'); // 수강신청한 사용자 리스트
```

```
resources > js > Pages > ClassesRegistered.vue > {} "ClassesRegistered.vue" > td.px-5.py-5.border-b.border-gray-200.bg-white.text-sm > p.text-gray-900 whitespace-no-wrap
```

```
44     <td class="px-5 py-5 border-b border-gray-200 bg-white text-sm">
```

```
45         <p class="text-gray-900 whitespace-no-wrap">
```

```
46             {{ subject.credit }}
```

```
47         </p>
```

```
48     </td>
```

```
49     <td class="px-5 py-5 border-b border-gray-200 bg-white text-sm">
```

```
50         <p class="text-gray-900 whitespace-no-wrap">
```

```
51             <Link :href="'/classes/users/' + subject.id" method="get" type="button">
```

```
52                 {{subject.users.length}}
```

```
53             </Link>
```

```
54         </p>
```

```
55     </td>
```

```
56     </tr>
```

```
57 </tbody>
```

```
58 </table>
```

app > Http > Controllers > 🏢 ClassesController.php > 📁 ClassesController > 🌐 users

```
141
142     return Redirect::route('classes.show', ['classId' => $id]);
143 }
144
145 public function users($id)
146 {
147     // $subject = Subject::find($id);
148
149     // dd(Subject::find($id)->users()->paginate(2));
150     return Inertia::render('ClassUsers', ['users' => fn () => Subject::find($id)->users()->paginate(2)]);
151 }
152 }
```

# ClassUsers.vue

- ClassList.vue 복사 붙여넣기 후 수정

```
1  <template>
2      <app-layout title="교과목 등록">
3          <template #header>
4              <h2 class="text-xl font-semibold leading-tight text-gray-800">
5                  수강신청자 리스트
6              </h2>
7          </template>
8      <!-- component -->
9      <body class="antialiased font-sans bg-gray-200">
10         <div class="container mx-auto px-4 sm:px-8">
11             <div class="py-8">
12                 <div class="-mx-4 sm:-mx-8 px-4 sm:px-8 py-4 overflow-x-auto">
13                     <div class="inline-block min-w-full shadow rounded-lg overflow-hidden">
14                         <table class="min-w-full leading-normal">
15                             <thead>
16                                 <tr>
17                                     <th>
18                                         class="px-5 py-3 border-b-2 border-gray-200 bg-gray-10
19                                         사용자 프로파일 이미지
20                                     </th>
21                                     <th>
22                                         class="px-5 py-3 border-b-2 border-gray-200 bg-gray-10
23                                         사용자 명
24                                     </th>
25                                     <th>
26                                         class="px-5 py-3 border-b-2 border-gray-200 bg-gray-10
27                                         사용자 이메일
28                                     </th>
29                                     </tr>
30                             </thead>
31                             <tbody>
32                                 <tr>
33                                     <td>
34                                         <img alt="User profile image placeholder" class="w-10 h-10 rounded-full" />
35                                     </td>
36                                     <td>
37                                         김민수
38                                     </td>
39                                     <td>
40                                         minsoo.kim@naver.com
41                                     </td>
42                                 </tr>
43                             </tbody>
44                         </table>
45                     </div>
46                 </div>
47             </div>
48         </body>
49     </app-layout>
50 
```

```
31          <tbody>
32              <tr v-for="user in users.data" :key="user.id">
33                  <td class="px-5 py-5 border-b border-gray-200 bg-white text-sm">
34                      
36                      <td class="px-5 py-5 border-b border-gray-200 bg-white text-sm">
37                          <p class="text-gray-900 whitespace-no-wrap">
38                              {{ user.name }}
39                          </p>
40                      </td>
41                      <td class="px-5 py-5 border-b border-gray-200 bg-white text-sm">
42                          <p class="text-gray-900 whitespace-no-wrap">
43                              {{ user.email }}
44                          </p>
45                      </td>
46                  </tr>
47          </tbody>
48      </table>
49      <div
50          class="px-5 py-5 bg-white border-t flex flex-col xs:flex-row items-center xs:justify-be
51          <pagination class="mt-6" :links="users.links" />
52      </div>
53      </div>
54  </div>
55  </div>
56</div>
57      </body>
58  </app-layout>
59</template>
60
```

```
resources > js > Pages > ClassUsers.vue > {} "ClassUsers.vue" > temp
  59    </template>
  60
  61
  62  <script>
  63    import { defineComponent } from 'vue'
  64    import AppLayout from '@/Layouts/AppLayout.vue'
  65
  66    import Pagination from '@/Components/Pagination'
  67
  68    import { Link } from '@inertiajs/inertia-vue3'
  69
  70    export default defineComponent({
  71      props:['users'],
  72      components: {
  73        AppLayout,
  74        Pagination,
  75        Link,
  76      },
  77      data() {
  78        return {
  79          ...
  80        }
  81      },
  82      methods : {
  83        ...
  84        }
  85      }
  86    )
  87  </script>
```

[수강목록](#)[교과목 목록](#)[교과목 등록](#)

## 수강 교과목 리스트

수강과목 수 : 2

수강학점 : 6

| 과목명        | 학점 | 수강신청자 수 |
|------------|----|---------|
| 진로계발과 자기분석 | 3  | 3       |
| 시스템분석설계    | 3  | 1       |



수강목록

교과목 목록

교과목 등록

scspark ▾

## 수강신청자 리스트

| 사용자 프로파일 이미지 | 사용자 명   | 사용자 이메일           |
|--------------|---------|-------------------|
|              | scspark | scspark@yju.ac.kr |
|              | gdhong  | gdhong@gmail.com  |

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[수강목록](#)[교과목 목록](#)[교과목 등록](#)

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## 수강 교과목 리스트

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[수강목록](#)[교과목 목록](#)[교과목 등록](#)

## 교과목 상세보기

### 교과목명

진로계발과 자기분석

### 학점

3

### 교과목 설명

이력서 작성 및 면접 대비 자기분석 방법에 대해 학습한다.

자기분석 결과를 기반으로 이력서 작성 및 면접 스킬을 배양한다.

### 등록일

2021-10-30T12:47:34.000000Z

### 변경일

2021-10-30T15:10:29.000000Z

[수정](#)[삭제](#)[수강취소](#)

# 관리자만이 교과목 등록/수강자 리스트

- AuthServiceProvider

```
app > Providers > AuthServiceProvider.php > AuthServiceProvider > boot
22     *
23     * @return void
24     */
25    public function boot()
26    {
27        $this->registerPolicies();
28
29        Gate::define('create-class', function (User $user) {
30            return $user->email === "admin@yju.ac.kr";
31        });
32
33
34        Gate::define('view-registered-users', function (User $user) {
35            return $user->email === "admin@yju.ac.kr";
36        });
37    }
38 }
```

```
app > Http > Controllers > 🏃 ClassesController.php > 📁 ClassesController > ⚒ store
42     * Store a newly created resource in storage.
43     *
44     * @param \Illuminate\Http\Request $request
45     * @return \Illuminate\Http\Response
46     */
47     public function store(Request $request)
48     {
49         //
50
51         if (!Gate::allows('create-class')) { // Illuminate\Support\Facades\Gate
52             abort(403);
53         }
54     }
```

```
app > Http > Controllers > 🐱 ClassesController.php > 🏠 ClassesController > 📁 users
147     return Redirect::route('classes.show', $class->id);
148 }
149
150 public function users($id)
151 {
152     // $subject = Subject::find($id);
153
154     // dd(Subject::find($id)->users()->paginate(2));
155
156     if (!Gate::allows('view-registered-users')) {
157         abort(403);
158     }
159
160     return Inertia::render(
161         'ClassUsers',
162         ['users' => fn () => Subject::find($id)->users()->paginate(2)]
163     );
164 }
165 }
```

[수강목록](#)[교과목 목록](#)[교과목 등록](#)

## 교과목 등록

교과목명 \*

권한관리

학점

3

교과목 설명 \*

Paragraph | **B** *I* ⓧ := ;= | ≡ ≡ | “ “ ↲ ↳ ↲ ↳

교과목 설명

Submit

수강목록 교과목 목록 교과목 등록

scspark

403 | FORBIDDEN



수강목록

교과목 목록

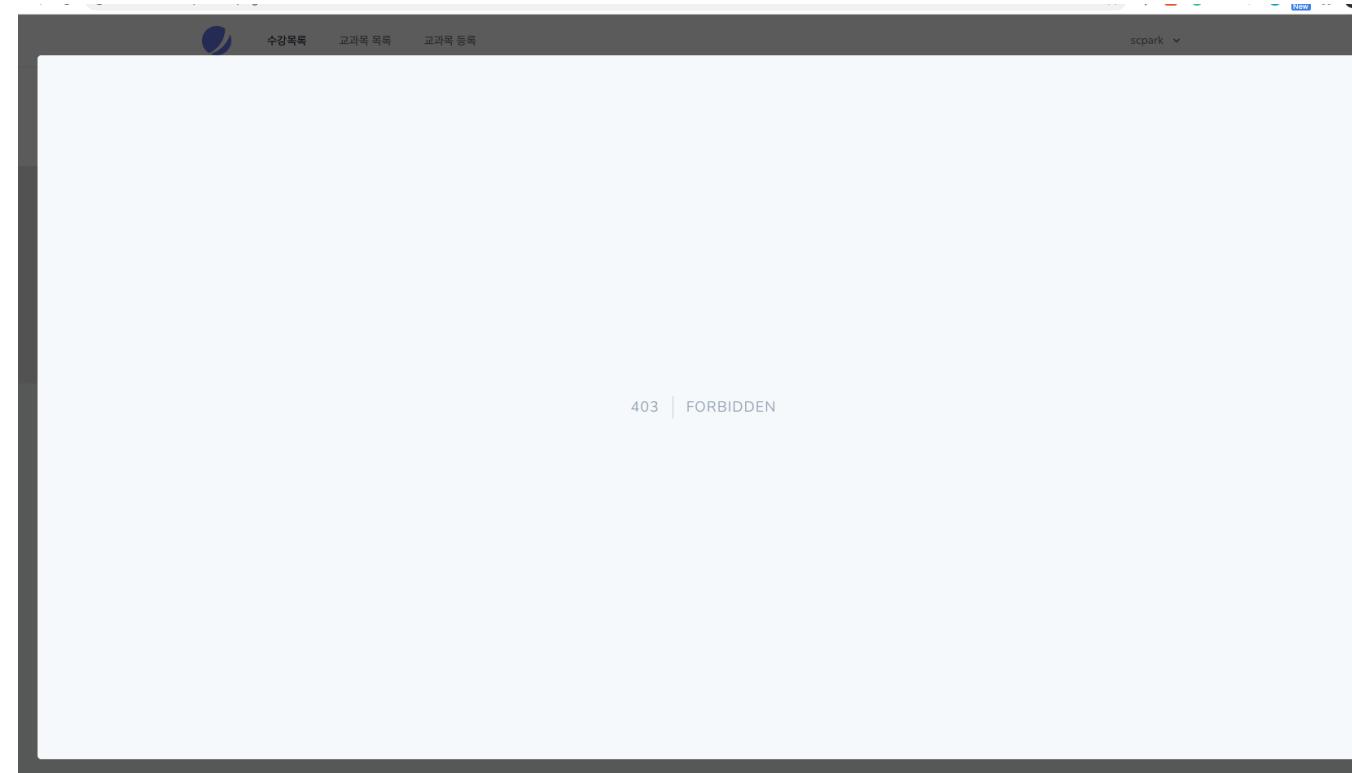
교과목 등록

## 수강 교과목 리스트

수강과목 수 : 2

수강학점 : 6

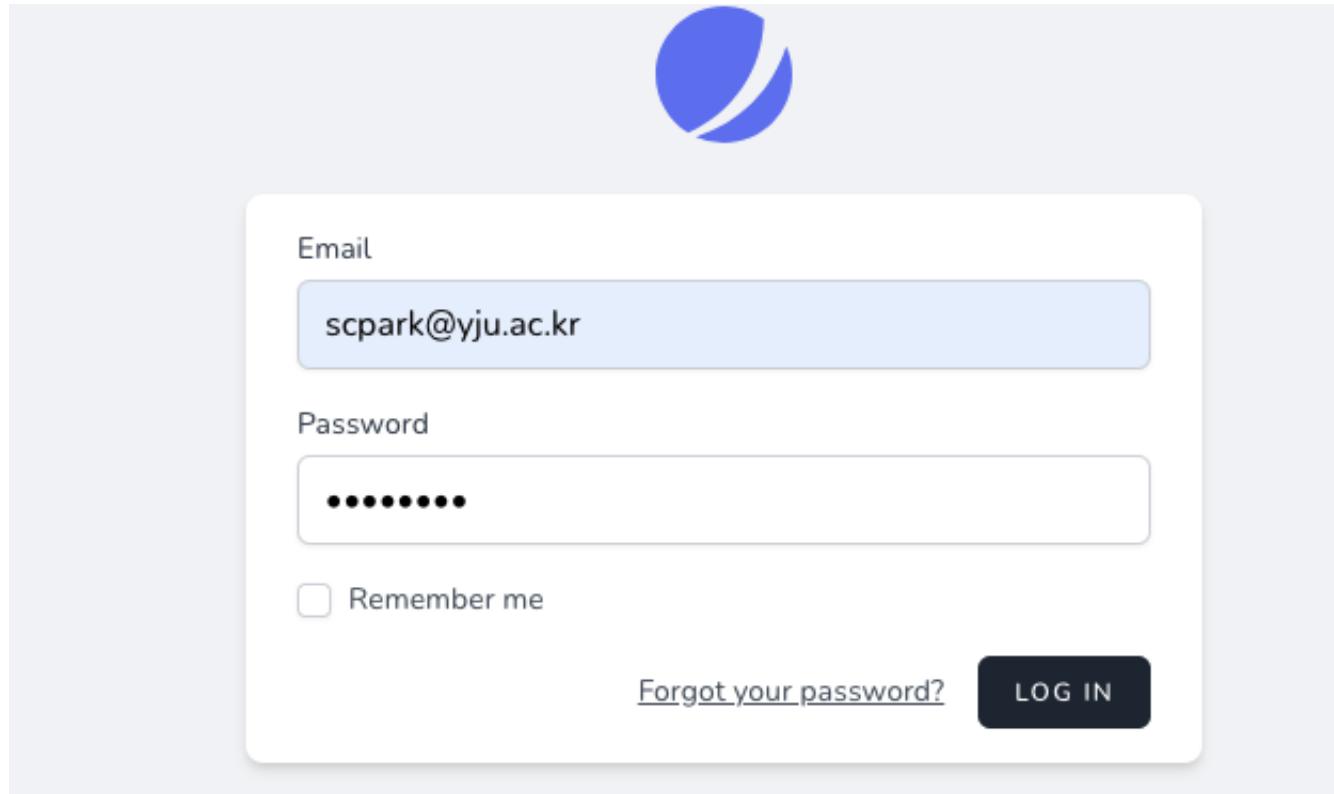
| 과목명        | 학점 | 수강신청자 수 |
|------------|----|---------|
| 진로개발과 자기분석 | 3  | 3       |
| 시스템분석설계    | 3  | 1       |



# 관리자 여부는 Shared Data로

- <https://inertiajs.com/shared-data>

```
app > Http > Middleware > HandleInertiaRequests.php > HandleInertiaRequests > share
30
31     /**
32      * Defines the props that are shared by default.
33      *
34      * @see https://inertiajs.com/shared-data
35      * @param \Illuminate\Http\Request $request
36      * @return array
37      */
38     public function share(Request $request)
39     {
40         return array_merge(parent::share($request), [
41             // ...
42             'isAdmin' => fn () => $request->user() ? $request->user()->email === 'admin@yju.ac.kr' : false,
43         ]);
44     }
45 }
```



Find components...

```
▼ <Root> 22 ms
  ▼ <Inertia> 37 ms
    ► <Login key=1635672119713> fragment 34 ms
```

<Inertia> Filter state...

```
initialPage: Object
  component: "Auth/Login"
  props: Object
    canResetPassword: true
    errorBags: Array[0]
    errors: Object (empty)
    isAdmin: false
    jetstream: Object
      status: null
      user: null
  rememberedState: Object (empty)
  scrollPositions: Array[1]
```

# 관리자인 경우에만 등록메뉴가 보이도록

```
resources > js > Layouts > AppLayout.vue > {} "AppLayout.vue" > div.hidden.space-x-8.sm:-my-px.sm:ml-10.sm:flex
21          <div class="hidden space-x-8 sm:-my-px sm:ml-10 sm:flex">
22              <jet-nav-link :href="route('classes.registered')" :active="route().current('classes.registered')">
23                  수강목록
24              </jet-nav-link>
25              <jet-nav-link :href="route('classes')" :active="route().current('classes')">
26                  교과목 목록
27              </jet-nav-link>
28              <jet-nav-link v-if="$page.props.isAdmin" :href="route('classes.create')" :active="route().current('classes.create')">
29                  교과목 등록
30              </jet-nav-link>
31          </div>
32      
```

```
resources > js > Layouts > AppLayout.vue > {} "AppLayout.vue" > div.sm:hidden > div.pt-2.pb-3.space-y-1
155          <jet-responsive-nav-link :href="route('classes')" :active="route().current('classes')">
156              교과목 목록
157          </jet-responsive-nav-link>
158          <jet-responsive-nav-link v-if="$page.props.isAdmin" :href="route('classes.create')" :active="route().current('classes.create')">
159              교과목 등록
160          </jet-responsive-nav-link>
161      </div>
162  
```

# 관리자만 수강자 리스트 볼 수 있도록

- ClassesRegistered.vue

```
resources > js > Pages > ClassesRegistered.vue > {} "ClassesRegistered.vue" > td.px-5.py-5.border-b.border-gray-200.bg-white.text-sm > p.text-gra
45           <p class="text-gray-900 whitespace-no-wrap">
46             {{ subject.credit }}
47           </p>
48         </td>
49         <td class="px-5 py-5 border-b border-gray-200 bg-white text-sm">
50           <p class="text-gray-900 whitespace-no-wrap">
51             <Link v-if="$page.props.isAdmin"
52               :href="'/classes/users/' + subject.id" method="get" type="button">
53               {{subject.users.length}}
54             </Link>
55             <span v-if="$page.props.isAdmin==false"> {{subject.users.length}} </span>
56           </p>
57         </td>
```

localhost:8000/classes/registered

수강목록 교과목 목록 scpark

### 수강 교과목 리스트

수강과목 수 : 2  
수강학점 : 6

| 과목명        | 학점 | 수강신청자 수 |
|------------|----|---------|
| 진로계발과 자기분석 | 3  | 3       |
| 시스템분석설계    | 3  | 1       |

클릭 안됨

# 관리자만 교과목 수정/삭제 메뉴 보이도록

- ShowClas.vue

```
resources > js > Pages > ShowClass.vue > {} "ShowClass.vue" > template > app-layout > div.py-12 > div.mx-auto.max-w-7xl.sm:
33           <div class="w-full p-2 border-2 border-gray-300">{{subject.updated_at}}</div>
34
35
36           <div class="flex p-1 mb-8">
37               <button v-if="$page.props.isAdmin"
38                   @click="open_update_modal"
39                   class="p-3 mr-4 text-white bg-blue-500 hover:bg-blue-400" required>수정</button>
40               <button v-if="$page.props.isAdmin"
41                   @click="delete_class"
42                   class="p-3 mr-4 text-white bg-red-400 hover:bg-red-600" required>삭제</button>
43
44           <button class="outline-none border border-gray-300 py-2 px-4 rounded-md font-medium text-gray-700" type="button">
```

[수강목록](#)[교과목 목록](#)

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## 교과목 상세보기

### 교과목명

진로계발과 자기분석

### 학점

3

### 교과목 설명

이력서 작성 및 면접 대비 자기분석 방법에 대해 학습한다.

자기분석 결과를 기반으로 이력서 작성 및 면접 스킬을 배양한다.

### 등록일

2021-10-30T12:47:34.000000Z

### 변경일

2021-10-30T15:10:29.000000Z

수강취소



Name

Email

Password

Confirm Password

[Already registered?](#)

REGISTER



수강목록

교과목 목록

교과목 등록

admin ▾

## 수강 교과목 리스트

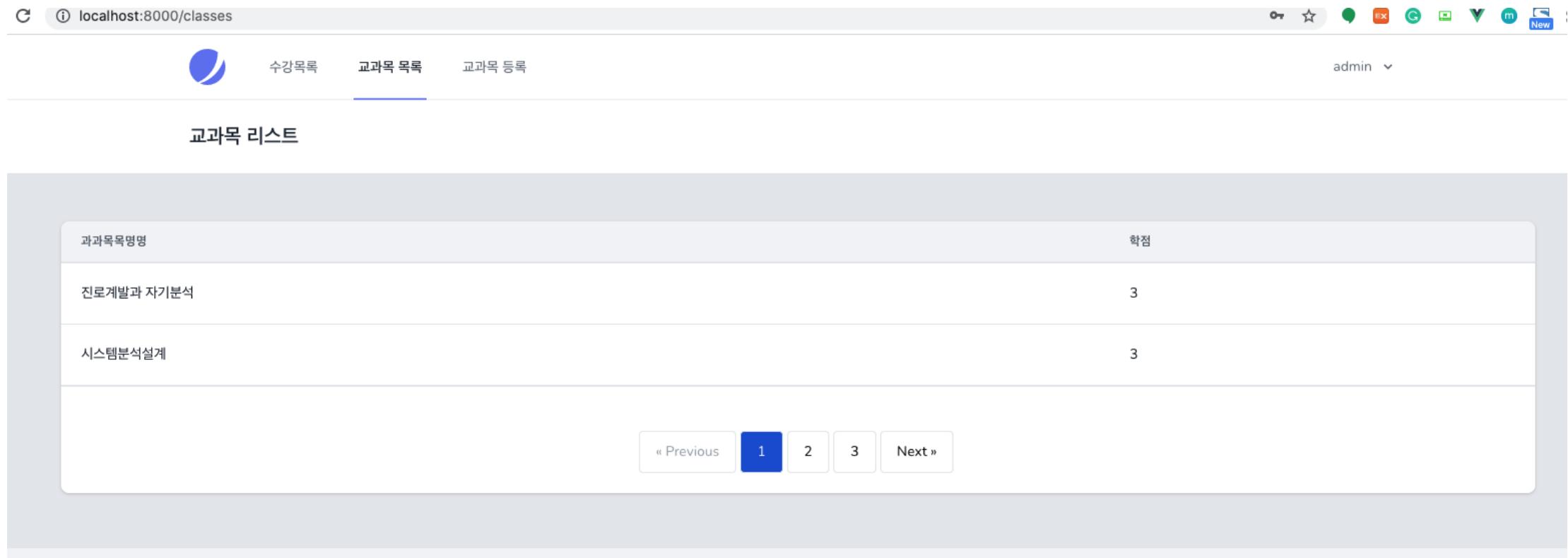
수강과목 수 : 0

수강학점 : 0

과목명

학점

수강신청자 수





수강목록 교과목 목록 교과목 등록

### 교과목 상세보기

교과목명  
웹프로그래밍(I)

학점  
5

교과목 설명  
라라벨을 기반으로한 웹프로그래밍 능력을 배양합니다.

등록일  
2021-10-29T15:38:06.000000Z

변경일  
2021-10-29T15:38:06.000000Z

[수정](#) [삭제](#) [수강신청](#)



수강목록 교과목 목록

### 교과목 상세보기

교과목 수정

교과목명  
웹프로그래밍(I)

학점  
5

교과목 설명 \*

라라벨을 기반으로한 웹프로그래밍 능력을 배양합니다.  
MVC, Eloquent, Broadcasting, Mail, Job Queue 등의 기술 활용 능력을 배양합니다.

등록일  
2021-10-29T15:38:06.000000Z

변경일  
2021-10-29T15:38:06.000000Z

[Cancel](#) [Update](#)



수강목록

교과목 목록

교과목 등록

## 교과목 상세보기

### 교과목명

웹프로그래밍(I)

### 학점

5

### 교과목 설명

라라벨을 기반으로한 웹프로그래밍 능력을 배양합니다.  
MVC, Eloquent, Broadcasting, Mail, Job Queue 등의 기술 활용 능력을 배양합니다.

### 등록일

2021-10-29T15:38:06.000000Z

### 변경일

2021-10-31T09:32:36.000000Z

수정

삭제

수강신청

# 관리자인 경우 교과목 목록에 수강자 수 추가

```
app > Http > Controllers > 🏢 ClassesController.php > 📁 ClassesController > ⚙️ index

 8  use Illuminate\Support\Facades\Redirect;
 9  use Inertia\Inertia;
10
11  class ClassesController extends Controller
12  {
13  }
14  /**
15  * Display a listing of the resource.
16  *
17  * @return \Illuminate\Http\Response
18  */
19  public function index()
20  {
21      if (Gate::allows('create-class')) {
22          return Inertia::render('ClassList', ['subjects' => fn () => Subject::with('users')->latest()->paginate(2)]);
23      } else {
24          return Inertia::render('ClassList', ['subjects' => fn () => Subject::latest()->paginate(2)]);
25      }
26  }
27
```

- ClassList.vue

```
resources > js > Pages > ClassList.vue > {} "ClassList.vue" > template > app-layout >
23 |           학점
24 |           </th>
25 |
26 |           <th v-if="$page.props.isAdmin" class="px-5 py-3 border-b-2 border-gray-300">수강자 수
27 |           </th>
28 |       </tr>
29 |   </thead>
30 |   <tbody>
```

```
resources > js > Pages > ▼ ClassList.vue > {} "ClassList.vue"
```

```
39          <td class="px-5 py-5 border-b border-gray-200 bg-white text-sm">
40              <p class="text-gray-900 whitespace-no-wrap">
41                  {{ subject.credit }}
42              </p>
43          </td>
44
45          <td v-if="$page.props.isAdmin"
46              class="px-5 py-5 border-b border-gray-200 bg-white text-sm">
47              <p class="text-gray-900 whitespace-no-wrap">
48                  <Link v-if="$page.props.isAdmin"
49                      :href="'/classes/users/' + subject.id" method="get" type="button">
50                      {{subject.users.length}}
51                  </Link>
52              </p>
53          </td>
54
55      </tr>
56  </tbody>
57</table>
```



수강목록

교과목 목록

교과목 등록

admin ▾

## 교과목 리스트

| 과과목목명      | 학점 | 수강자 수 |
|------------|----|-------|
| 진로계발과 자기분석 | 3  | 3     |
| 시스템분석설계    | 3  | 1     |

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# 수강자 순으로 정렬하기

- ClassList.vue

```
resources > js > Pages > V ClassList.vue > {} "ClassList.vue" > template > app-layout > body.antialiased.f
22
23
24
25
26
27
28
29
30
31
32
```

A screenshot of a code editor showing a tooltip for the '수강자 수' column header. The tooltip contains the text '수강자 수' and is positioned over the line of code where the header is defined.

```
<th v-if="$page.props.isAdmin" @click="sort"
    class="px-5 py-3 border-b-2 border-gray-200 bg-
```

```
resources > js > Pages > ClassList.vue > {} "classList.vue" > template > app-layout > body.antialiased.f
26 |           <th v-if="$page.props.isAdmin" @click="sort"
27 |             class="px-5 py-3 border-b-2 border-gray-200 bg-
28 |               수강자 수
29 |           </th>
30 |       </tr>
31 |   </thead>
32 |   <tbody>
33 |     <tr v-for="subject in subjectList" :key="subject.id">
resources > js > Pages > ClassList.vue > {} "classList.vue" > script
77 |     import { Link } from '@inertiajs/inertia-vue3'
78 |
79 |     export default defineComponent({
80 |         props:['subjects'],
81 |         components: {
82 |             AppLayout,
83 |             Pagination,
84 |             Link,
85 |         },
86 |         data() {
87 |             return {
88 |                 subjectList: this.subjects.data,
89 |             }
90 |         },
91 |         methods : {
92 |             sort() {
93 |                 ...
94 |             }
95 |         }
96 |     }
97 | )
98 | </script>
```

- Javascript array sort

- [https://developer.mozilla.org/ko/docs/Web/JavaScript/Reference/Global\\_Objects/Array/sort](https://developer.mozilla.org/ko/docs/Web/JavaScript/Reference/Global_Objects/Array/sort)

- ClassList.vue

```
resources > js > Pages > ClassList.vue > {} "ClassList.vue" > script > default >
86     data() {
87         return {
88             subjectList : this.subjects.data,
89             toggle : true,
90         }
91     },
92     methods : {
93         sort() {
94             let vm = this;
95             this.subjectList.sort(function (s1, s2) {
96                 if (vm.toggle)
97                     return s1.users.length - s2.users.length;
98                 else
99                     return s2.users.length - s1.users.length;
100            });
101            this.toggle = !this.toggle;
102        }
103    }
104 }
105 )
106 </script>
107
```



수강목록

교과목 목록

교과목 등록

admin ▾

교과목 리스트

과목목명	학점	수강자 수
진로계발과 자기분석	3	3
시스템분석설계	3	1



수강목록

교과목 목록

교과목 등록

admin ⋮

## 교과목 리스트

과과목목명	학점	수강자 수
시스템분석설계	3	1
진로개발과 자기분석	3	3

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E