Discipline   : MDW
Matière   : Atelier Framework Côté Serveur
Unité d'Ensg. : Programmation objet avancée
Niveau   : 3ème Année (Licence appliquée : LMD)

Workshop 3 : Create dynamic forms with embedded sub-forms

Adding bootstrap to templates

Locate Bootstrap CDN on google

Add these URLs to Base.html.twig as folow

```
<!DOCTYPE html>
<html>
    <head>
        <meta charset="UTF-8">
        <title>{% block title %}Welcome!{% endblock %}</title>
```

```
        <link rel="icon" href="data:image/svg+xml,<svg
xmlns=%22http://www.w3.org/2000/svg%22 viewBox=%220 0 128 128%22><text
y=%221.2em%22 font-size=%2296%22>🟡</text></svg>">
        {# Run `composer require symfony/webpack-encore-bundle` to start using
Symfony UX #}
        {% block stylesheets %}
            {{ encore_entry_link_tags('app') }}
            <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0/dist/css/bootstrap.min.css"
integrity="sha384-
gH2yIJqKdNHPEq0n4Mqa/HGKIhSkIHeL5AyhkYV8i59U5AR6csBvApHHNl/vI1Bx"
crossorigin="anonymous">
        {% endblock %}

        {% block javascripts %}
            {{ encore_entry_script_tags('app') }}
            <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0/dist/js/bootstrap.min.js"
integrity="sha384-
ODmDIVzN+pFdexxHEHFBQH3/9/vQ9uori45z4JjnFsRydbmQbmL5t1tQ0culUzyK"
crossorigin="anonymous"></script>
        {% endblock %}
    </head>
    <body>
        {% block body %}{% endblock %}
    </body>
</html>
```
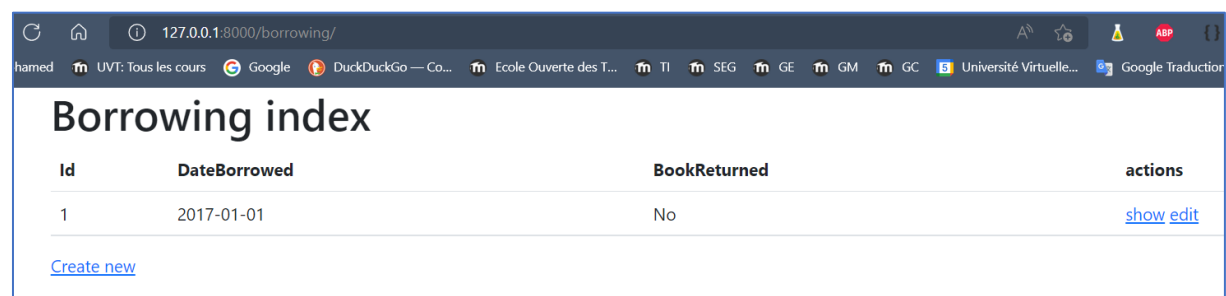
To optimise display, add a container class

```
<body>
    <div class="container">
        {% block body %}{% endblock %}
    </div>
</body>
```

Test the Url : <u>Borrowing index</u>

Result:

As default the form "New student" contains

In _form.html.twig from templates/student modify the following code :

```twig
{{ form_start(form) }}
    {{ form_widget(form) }}
    <button class="btn">{{ button_label|default('Save') }}</button>
{{ form_end(form) }}
```

with :

```twig
{{ form_start(form) }}
<div>
<label for="student_name" class="form-label">
    {{ form_label(form.name) }}
    </label>
    {{ form_widget(form.name, {'attr':{'class':'form-control'}}) }}
</div>
<div>
<label for="student_surname" class="form-label">
    {{ form_label(form.surname) }}
</label>
    {{ form_widget(form.surname, {'attr':{'class':'form-control'}}) }}
</div>
<div> </div>
<div>
    <button class="btn btn-primary">{{ button_label|default('Save') }}</button>
</div>
{{ form_end(form) }}
```

In new.html.twig from templates/student modify the following code:

```twig
{% extends 'base.html.twig' %}
{% block title %}New Student{% endblock %}
{% block body %}
    <h1>Create new Student</h1>
    {{ include('student/_form.html.twig') }}
    <a href="{{ path('app_student_index') }}">back to list</a>
{% endblock %}
```

With

```twig
{% extends 'base.html.twig' %}
{% block title %}New Student{% endblock %}
{% block body %}
    <h1>Create new Student</h1>
    {{ include('student/_form.html.twig') }}
    <div> </div>
    <a href="{{ path('app_student_index') }}" class="btn btn-secondary">back to
list</a>
{% endblock %}
```

Result :

Create new Student

Name

Surname

Save

back to list

Expanding a Twig HTML table

The Id is not necessary in the list borrowing display, and we need information on student borrowing (name, surname)

```twig
{% extends 'base.html.twig' %}
{% block title %}Borrowing index{% endblock %}
{% block body %}
    <h1>Borrowing index</h1>
    <table class="table">
        <thead>
            <tr>
                <th>DateBorrowed</th>
                <th>Title</th>
                <th>Student</th>
                <th>BookReturned</th>
                <th>actions</th>
            </tr>
        </thead>
        <tbody>
        {% for borrowing in borrowings %}
            <tr>
                <td>{{ borrowing.dateBorrowed ? borrowing.dateBorrowed|date('Y-m-d') : '' }}</td>
                <td>{{ borrowing.book.title }}</td>
                <td>{{ borrowing.student.name ~ ' ' ~ borrowing.student.surname }}</td>
                <td>{{ borrowing.bookReturned ? 'Yes' : 'No' }}</td>
                <td>
                    <a href="{{ path('app_borrowing_show', {'id': borrowing.id}) }}">show</a>
                    <a href="{{ path('app_borrowing_edit', {'id': borrowing.id}) }}">edit</a>
                </td>
            </tr>
        {% else %}
            <tr>
                <td colspan="4">no records found</td>
            </tr>
        {% endfor %}
        </tbody>
    </table>
    <a href="{{ path('app_borrowing_new') }}">Create new</a>
{% endblock %}
```

Adding Navigation bar with Bootstrap
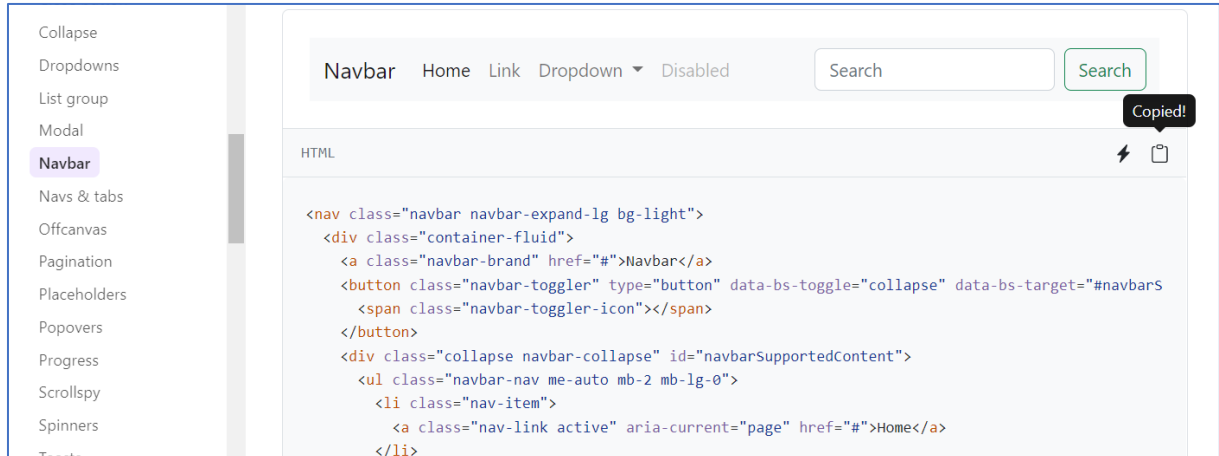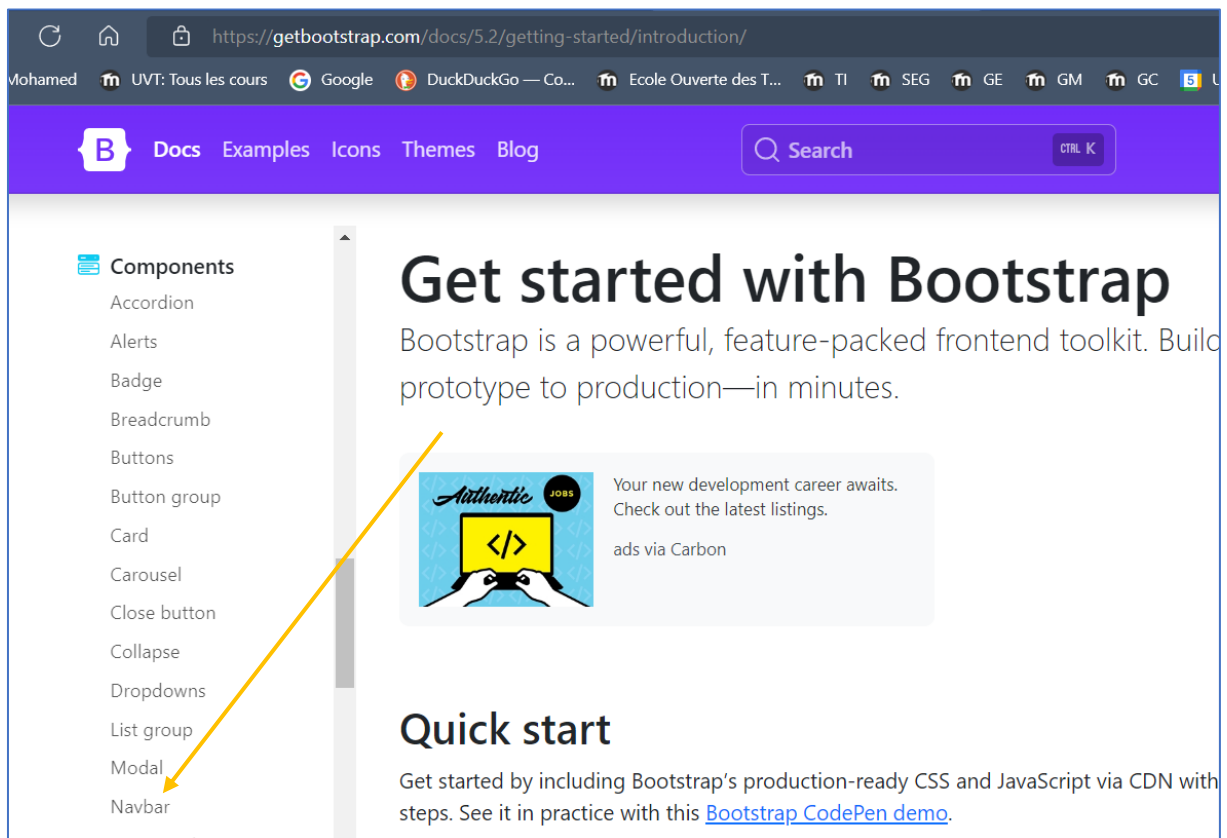
Add this code to base.html.twig after <body> tag
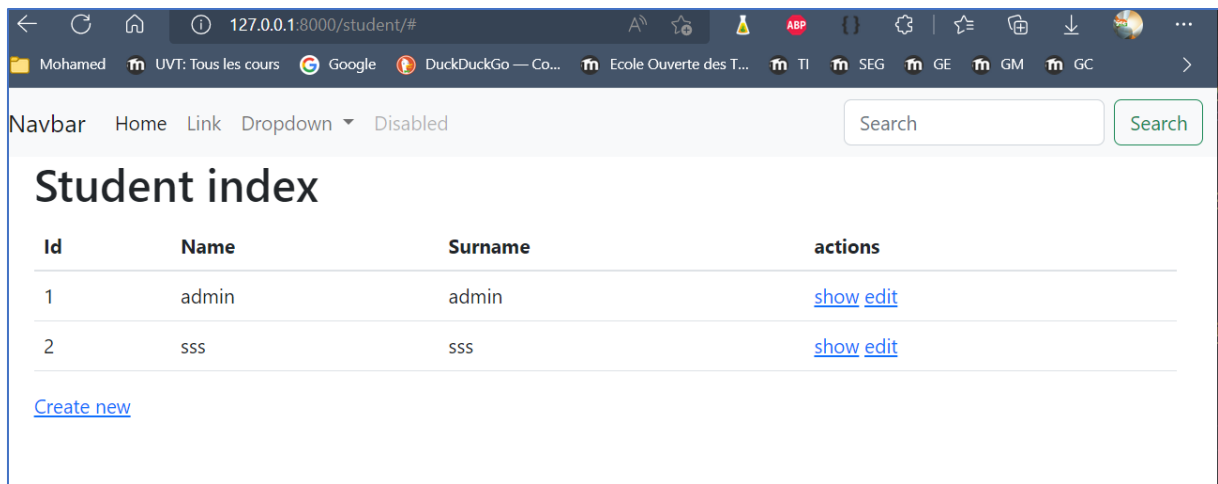
The application doesn't display the sub-menu of Students

The following error is transmitted
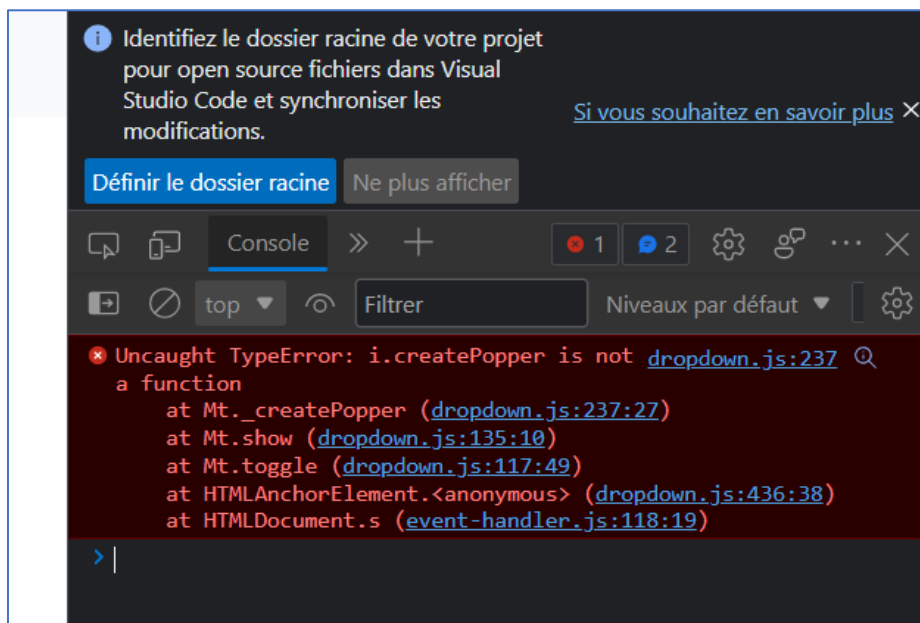
Try to use Bootstrap 5.1.3 for javascript url to activate the sub-menu of students

Search the URL by the key word "Bootstrap 5.1.3"
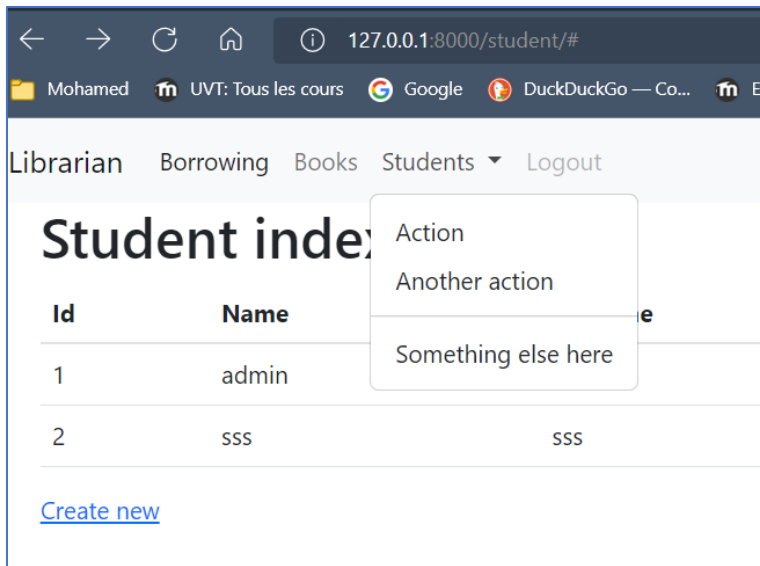
Add the reference to root "student_index" to list all students

```
<li><a class="dropdown-item" href="{{ path('student_index') }}">List</a></li>
```
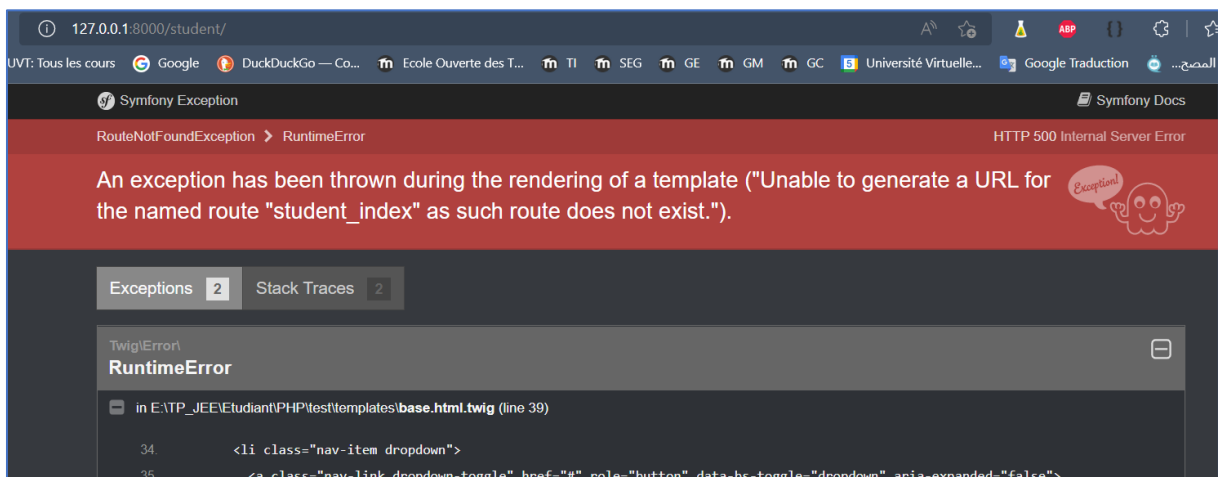

So we have a problem with the named root "student_index"

The following command display all the named roots

E:\TP_JEE\Etudiant\PHP\test>symfony console debug:route

The correct named root is "app_student_index"

```
E:\TP_JEE\Etudiant\PHP\test>symfony console debug:route
---------------------- ---------- -------- ------ ----------------------------
 Name                   Method     Scheme   Host   Path
---------------------- ---------- -------- ------ ----------------------------
 _preview_error         ANY        ANY      ANY    /_error/{code}.{_format}
 app_author_index       GET        ANY      ANY    /author/
 app_author_new         GET|POST   ANY      ANY    /author/new
 app_author_show        GET        ANY      ANY    /author/{id}
 app_author_edit        GET|POST   ANY      ANY    /author/{id}/edit
 app_author_delete      POST       ANY      ANY    /author/{id}
 app_book_index         GET        ANY      ANY    /book/
 app_book_new           GET|POST   ANY      ANY    /book/new
 app_book_show          GET        ANY      ANY    /book/{id}
 app_book_edit          GET|POST   ANY      ANY    /book/{id}/edit
 app_book_delete        POST       ANY      ANY    /book/{id}
 app_borrowing_index    GET        ANY      ANY    /borrowing/
 app_borrowing_new      GET|POST   ANY      ANY    /borrowing/new
 app_borrowing_show     GET        ANY      ANY    /borrowing/{id}
 app_borrowing_edit     GET|POST   ANY      ANY    /borrowing/{id}/edit
 app_borrowing_delete   POST       ANY      ANY    /borrowing/{id}
 app_hello              ANY        ANY      ANY    /hello
 app_index              ANY        ANY      ANY    /
 app_show_one           ANY        ANY      ANY    /messages/{id}
 app_student_index      GET        ANY      ANY    /student/
 app_student_new        GET|POST   ANY      ANY    /student/new
 app_student_show       GET        ANY      ANY    /student/{id}
 app_student_edit       GET|POST   ANY      ANY    /student/{id}/edit
 app_student_delete     POST       ANY      ANY    /student/{id}
---------------------- ---------- -------- ------ ----------------------------
```

Add the path to root "app_student_new" to add new student

```html
<li><a class="dropdown-item"  href="{{ path('app_student_new') }}">New</a></li>
```

Do the same operation with app_borring_index

```html
<a class="nav-link active" aria-current="page" href="{{
path('app_borrowing_index') }}">Borrowing</a>
```

and app_book_index

```html
<a class="nav-link" href="{{ path('app_book_index') }}">Books</a>
```

You can optimize your code with the following changes

```html
<nav class="navbar navbar-expand-lg bg-light">
  <div class="container-fluid">
    <a class="navbar-brand" href="#">Librarian</a>
    <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-
bs-target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-
expanded="false" aria-label="Toggle navigation">
```

```
        <span class="navbar-toggler-icon"></span>
    </button>
    <div class="collapse navbar-collapse" id="navbarSupportedContent">
        <ul class="navbar-nav me-auto mb-2 mb-lg-0">
            <li class="nav-item">
                {# <a class="nav-link active" aria-current="page" href="{{
path('app_borrowing_index') }}">Borrowing</a> #}
                <a class="nav-link {% if 'borrowing' in app.request.get('_route') %}
active {% endif %}" aria-current="page" href="{{ path('app_borrowing_index')
}}">Borrowing</a>
            </li>
            <li class="nav-item">
                <a class="nav-link" href="{{ path('app_book_index') }}">Books</a>
            </li>
            <li class="nav-item dropdown">
                <a class="nav-link dropdown-toggle" href="#" role="button" data-bs-
toggle="dropdown" aria-expanded="false">
                    Students
                </a>
                <ul class="dropdown-menu">
                    <li><a class="dropdown-item" href="{{ path('app_student_index')
}}">List</a></li>
                    <li><a class="dropdown-item"  href="{{ path('app_student_new')
}}">New</a></li>
                    <li><hr class="dropdown-divider"></li>
                </ul>
            </li>
            <li class="nav-item">
                <a class="nav-link disabled">Logout</a>
            </li>
        </ul>
    </div>
  </div>
</nav>
```

What to do next?

Optimize the new borrow view

by adding calendar date picker (type : datetime-local or datetime)