

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

Workshop 3 : Create dynamic forms with embedded sub-forms

Adding bootstrap to templates

Locate Bootstrap CDN on google

v5.2.0

CSS

`https://cdn.jsdelivr.net/npm/bootstrap@5.2.0/dist/css/bootstrap.min.css`

Click to copy

HTML

`<link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0/dist/css/bootstrap.min.css">`

Copied text to clipboard

JavaScript

`https://cdn.jsdelivr.net/npm/bootstrap@5.2.0/dist/js/bootstrap.min.js`

Click to copy

HTML

`<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0/dist/js/bootstrap.min.js" integrity="sha384-8kVCrBJ7B7is00pH8zltWijQpgV9dXpPSI0yXgftr6ByEuropKlIYA/jt41bbnSD" crossorigin="anonymous">`

Copied text to clipboard

Add these URLs to Base.html.twig as follow

```
<!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><img alt="Yellow circle icon" data-bbox="418 113 438 133"/></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-
gH2yIqKdNHPEq0n4MqA/HGKIhSkIHeL5AyhkYV8i59U5AR6csBvApHHN1/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

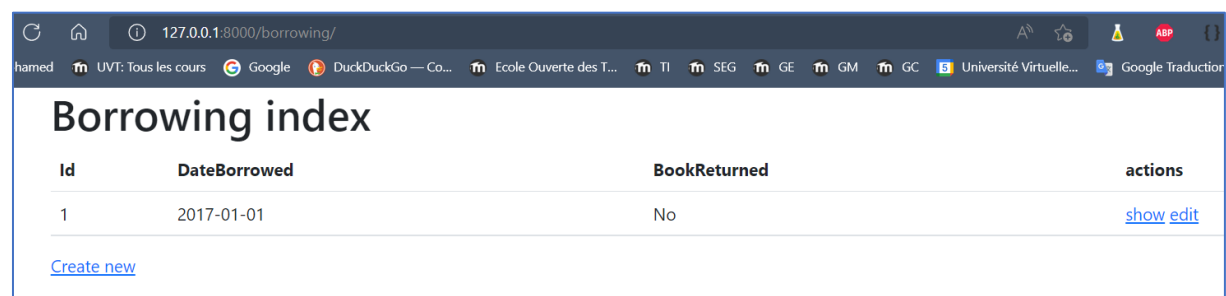
```

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

```

Test the Url : [Borrowing index](#)

Result:



Id	DateBorrowed	BookReturned	actions
1	2017-01-01	No	show edit

[Create new](#)

As default the form “New student” contains

127.0.0.1:8000/student/new

Create new Student

Name

Surname

Save

[back to list](#)

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

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

with :

```
{{ 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>&nbsp;</div>
<div>
    <button class="btn btn-primary">{{ button_label|default('Save') }}</button>
</div>
{{ form_end(form) }}
```

A screenshot of a web browser window. The address bar shows '127.0.0.1:8000/student/new'. The browser's tab bar includes 'Mohamed', 'UVT: Tous les cours', 'Google', 'DuckDuckGo — Co...', and 'E...'. The main content area displays a form titled 'Create new Student'. The form contains two text input fields labeled 'Name' and 'Surname'. Below these fields is a blue button labeled 'Save' and a blue link labeled 'back to list'.

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

```
{% 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

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

Result :

127.0.0.1:8000/student/new

MohamedUVT: Tous les coursGoogleDuckDuckGo — Co...Ecole Ou

Create new Student

Name

Surname

Save

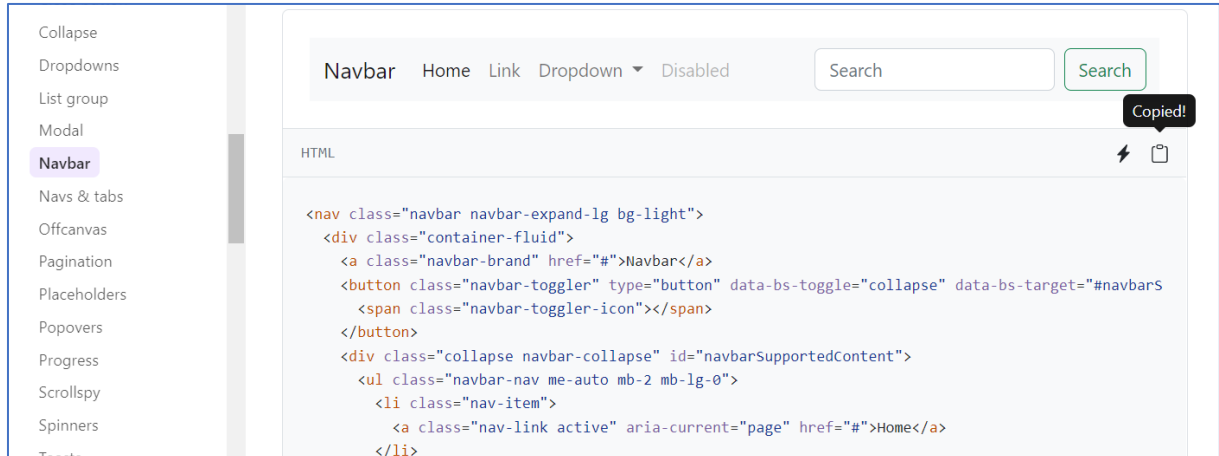
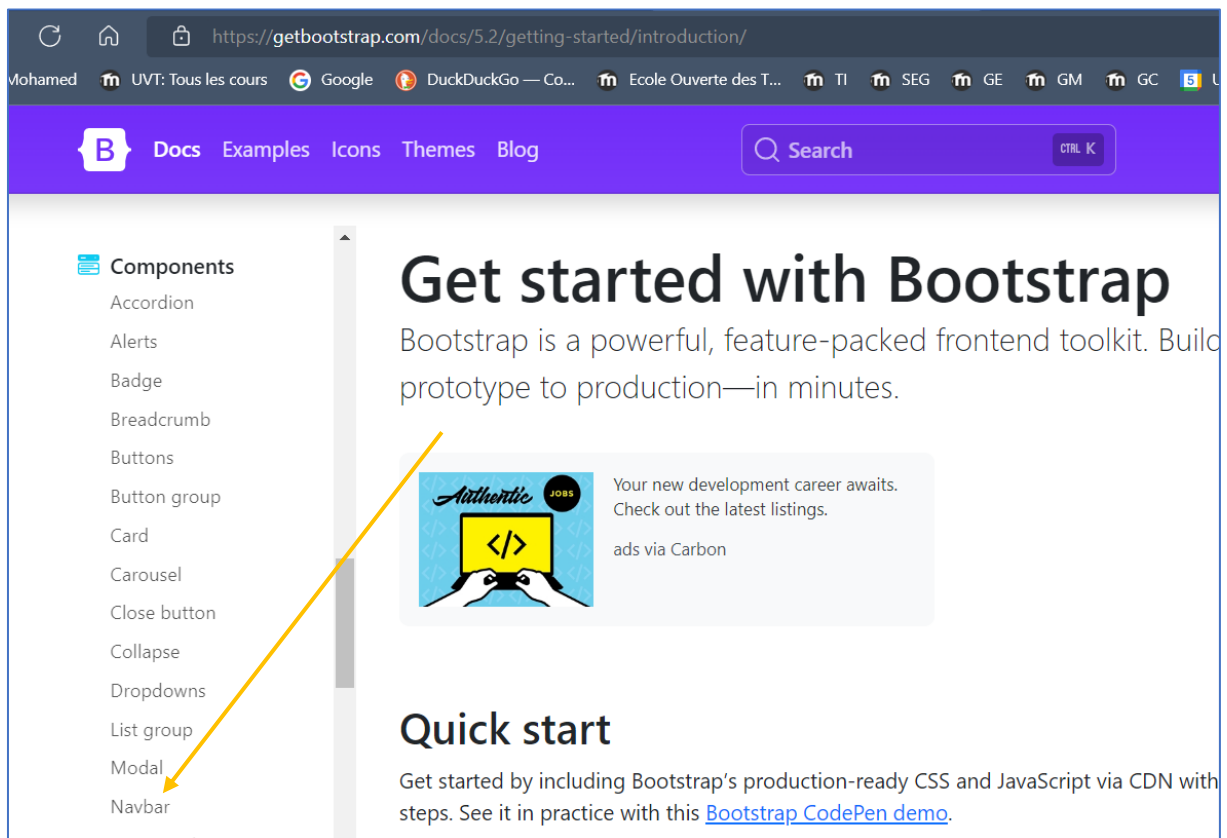
back to list

Expanding a Twig HTML table

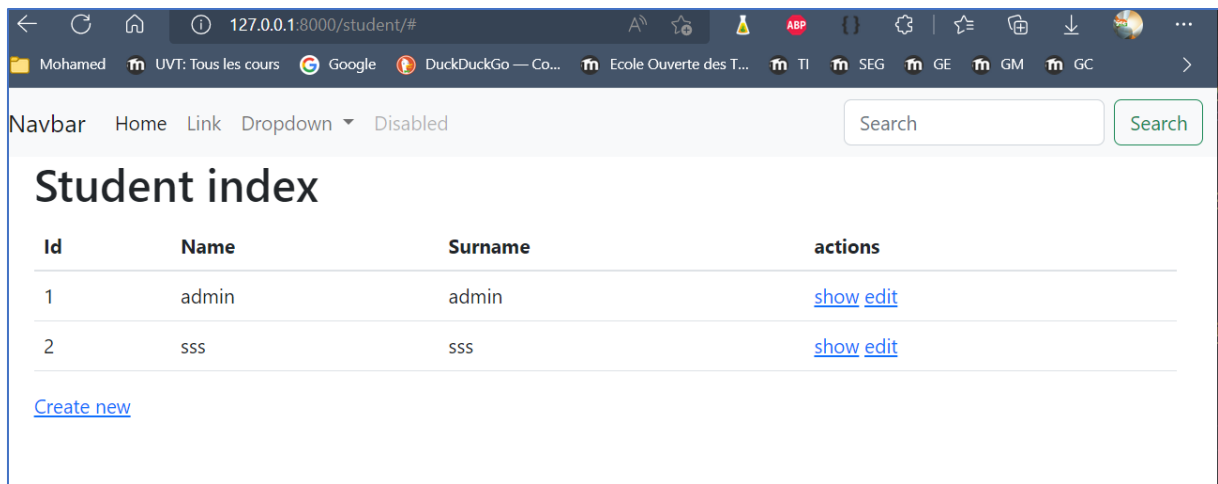
The Id is not necessary in the list borrowing display, and we need information on student borrowing (name, surname)

```
{% 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

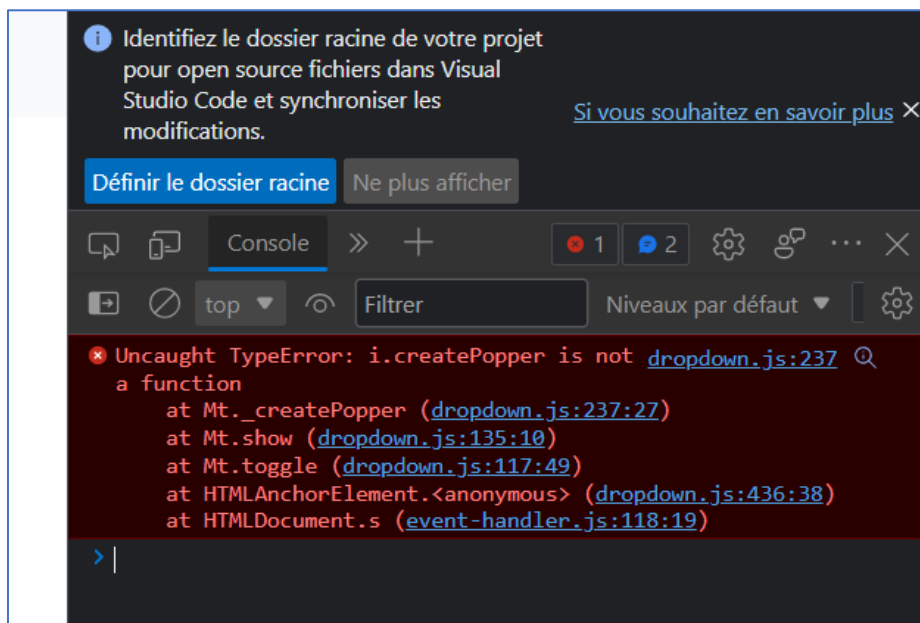


Add this code to base.html.twig after <body> tag



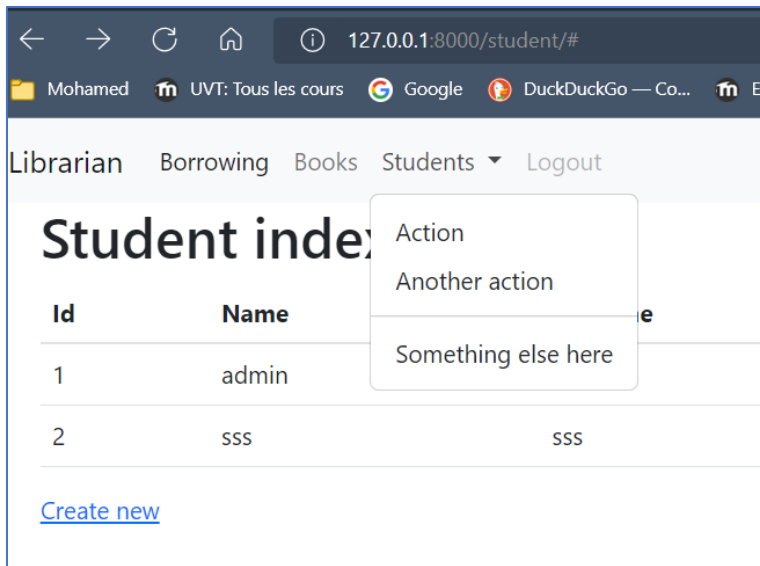
The application doesn't display the sub-menu of Students

The following error is transmitted



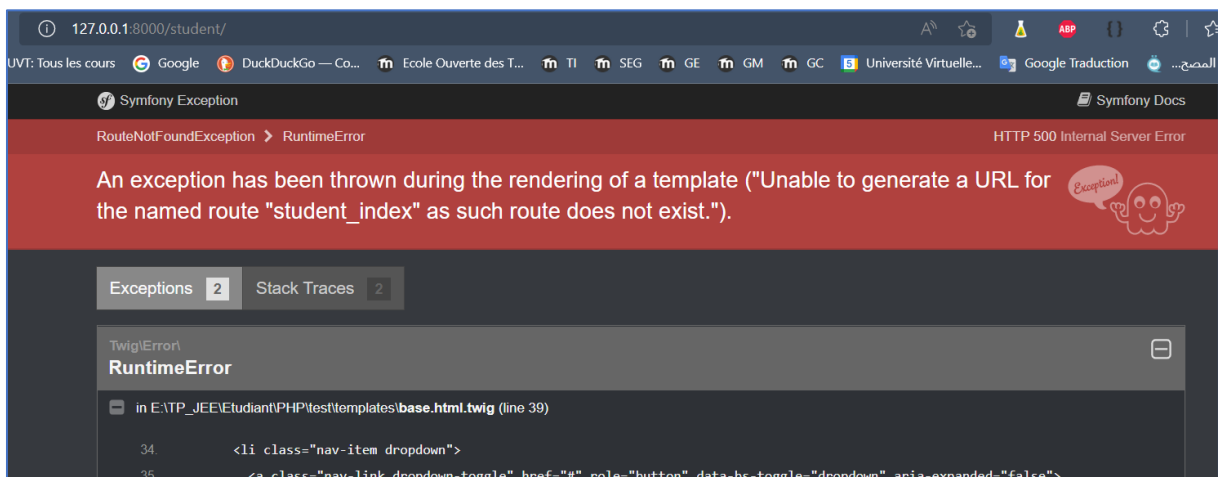
Try to use Bootstrap 5.1.3 for javascript url to activate the sub-menu of students

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

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

Do the same operation with app_borring_index

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

and app_book_index

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

You can optimize your code with the following changes

```
<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

← ↻ 🏠 ⓘ 127.0.0.1:8000/borrowing/new

📁 Mohamed 📖 UVT: Tous les cours 🌐 Google 🦔 DuckDuckGo — Co... 📖 Ecole

Librarian Borrowing ▾ Books Students ▾

Create new Borrowing

Date borrowed
 Jan ▾ 1 ▾ 2017 ▾

Book returned ☐

Student admin admin ▾

Book the book ▾

Save

[back to list](#)

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

22/09/2022 12:09 📅

septembre 2022 ▾ ↑ ↓

							12	09
lu	ma	me	je	ve	sa	di	13	10
29	30	31	1	2	3	4	14	11
5	6	7	8	9	10	11	15	12
12	13	14	15	16	17	18	16	13
19	20	21	22	23	24	25	17	14
26	27	28	29	30	1	2	18	15
3	4	5	6	7	8	9		

[Effacer](#) [Aujourd'hui](#)