[CGA-JAVA-WFDA] Web Front-end Development Angular 2.1

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[Thực hành] Ứng dụng tính thời gian đã sống

Mục tiêu

Nắm bắt được về các thao tác với service và router trong Angular.

Mô tả

Tạo ứng dụng tính thời gian đã sống.

Hướng dẫn

Bước 1: Mở cửa sổ terminal và gỗ lệnh **ng new angular-timelines-app** để tạo mới một dự án Angular



Tại cửa sổ tiếp theo gõ chữ **y** và ấn enter để tạo routing cho dự án

or. npm

E:\CodeGym\Hoc-lieu-Java\Demo Code\Module-5>ng new angular-timelines-app? Would you like to add Angular routing? (y/N) y

Tiếp theo chọn CSS và ấn enter và chờ ứng dụng được khởi tạo

C:\Windows\System32\cmd.exe

The file will have its original line endings in your working directory warning: LF will be replaced by CRLF in src/app/app.component.ts. The file will have its original line endings in your working directory warning: LF will be replaced by CRLF in src/app/app.module.ts. The file will have its original line endings in your working directory warning: LF will be replaced by CRLF in src/environments/environment.prod.ts. The file will have its original line endings in your working directory warning: LF will be replaced by CRLF in src/environments/environment.ts. The file will have its original line endings in your working directory warning: LF will be replaced by CRLF in src/index.html. The file will have its original line endings in your working directory warning: LF will be replaced by CRLF in src/main.ts. The file will have its original line endings in your working directory warning: LF will be replaced by CRLF in src/polyfills.ts. The file will have its original line endings in your working directory warning: LF will be replaced by CRLF in src/styles.css. The file will have its original line endings in your working directory warning: LF will be replaced by CRLF in src/test.ts. The file will have its original line endings in your working directory warning: LF will be replaced by CRLF in tsconfig.app.json. The file will have its original line endings in your working directory warning: LF will be replaced by CRLF in tsconfig.json. The file will have its original line endings in your working directory warning: LF will be replaced by CRLF in tsconfig.spec.json. The file will have its original line endings in your working directory warning: LF will be replaced by CRLF in tslint.json. The file will have its original line endings in your working directory Successfully initialized git.

E:\CodeGym\Hoc-lieu-Java\Demo Code\Module-5>

Chạy lệnh **npm i date-fns -s** để cài đặt thư viện cho việc tính toán datetime.

Bước 2: Gỗ lệnh ng g s service/date-util để tạo DateUtilService

Bước 3: Trong file date-util-service.ts, khai báo các phương thức được sử dụng để tính toán như sau:

```
getDiffToNow(diff: string | number | Date): string {
 const result: string[] = [];
 const now = new Date();
 diff = new Date(diff);
 const years = differenceInYears(now, diff);
 if (years > 0) {
   result.push(`${years} years`);
   diff = addYears(diff, years);
 }
 const months = differenceInMonths(now, diff);
 result.push(`${months} months`);
 if (months > 0) {
   diff = addMonths(diff, months);
 }
 const days = differenceInDays(now, diff);
 if (days > 0) {
   result.push(`${days} days`);
 }
 return result.join(' ');
```

Bước 4: Sử dụng lệnh **ng g c timelines** để tạo TimelinesComponent:

Trong file template của component vừa tạo sử dụng đoạn code sau để xây dựng giao diện:

Bước 5: Trong file timelines.component.ts sử dụng đoạn code như sau để xử lý logic:

```
import {Component, OnInit} from '@angular/core';
import {DateUtilService} from '../service/date-util.service';

@Component({
    selector: 'app-timelines',
    templateUrl: './timelines.component.html',
    styleUrls: ['./timelines.component.css']
})

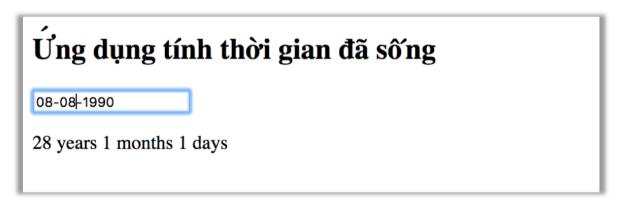
export class TimelinesComponent implements OnInit {
    output = '';
    constructor(private dateUtilService: DateUtilService) {
    }
    ngOnInit() {
    }

    onChange(value) {
        this.output = this.dateUtilService.getDiffToNow(value);
    }
}
```

Bước 7: Trong file app.component.html, sử dụng cặp thẻ <router-outlet></router-outlet> để hiển thị nội dung:

```
<a routerLink="/timelines">Úng dụng tính thời gian sống</a><router-outlet></router-outlet>
```

Bước 8: Kiểm tra kết quả hiển thị trên trình duyệt



Checkout sang nhánh develop để xem mã nguồn tham khảo: https://github.com/codegym-vn/wfda-angular-timelines-app

Hướng dẫn nộp bài:

up bài tập lên github

paste link github vào phần nộp bài

Submission status

Submission status	No attempt
Grading status	Not graded
Last modified	-
Submission comments	► <u>Comments (0)</u>

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