Difference between two dates in Days using angular

Asked 6 months ago   Active 6 months ago   Viewed 2k times

-1

In my application I am getting message sent date from API response, I want to calculate the difference between current date and the date from API response in days(difference) using angular 8 and map in ngFor.

https://stackblitz.com/edit/angular-xv1twv?file=src%2Fapp%2Fapp.component.html

Please help me. Should I use moment.

javascript   angular   typescript   date   angular8

asked Nov 19 '19 at 9:38

web developer
307   1   3   16

moment js really simplifies anything to do with time and date. stackoverflow.com/questions/25150570/... – ButchMonkey Nov 19 '19 at 9:41

Does this answer your question? Javascript library for human-friendly relative date formatting – Ramesh Nov 19 '19 at 9:43

moment would be an easy way to generate the friendly text momentjs.com/docs/#/durations/humanize. Although I would wrap this functionality in to a filter. – phuzi Nov 19 '19 at 9:43

Does this answer your question? Angular 2 "time ago" pipe – Joel Joseph Nov 19 '19 at 9:48

stackoverflow.com/questions/3224834/... – Ininiv Nov 19 '19 at 9:56

6 Answers

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If this is all you need you can add plain code. For example:

```
calculateDiff(dateSent){
    let currentDate = new Date();
    dateSent = new Date(dateSent);

    return Math.floor((Date.UTC(currentDate.getFullYear(),
currentDate.getMonth(), currentDate.getDate()) -
Date.UTC(dateSent.getFullYear(), dateSent.getMonth(), dateSent.getDate()) )
/(1000 * 60 * 60 * 24));
}
```

You need to update your HTML to send the right date.

Example: https://stackblitz.com/edit/angular-bf5ger?file=src/app/app.component.ts

The code is adapted from https://www.w3resource.com/javascript-exercises/javascript-date-exercise-8.php and may require a few tests.

Try like this:

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Working Demo

.html

```
<div style="font-weight:bold;">sent {{calculateDiff(data.sent)}}_ days ago</div>
```

.ts

```
calculateDiff(sentDate) {
    var date1:any = new Date(sentDate);
    var date2:any = new Date();
    var diffDays:any = Math.floor((date2 - date1) / (1000 * 60 * 60 * 24));

    return diffDays;
}
```
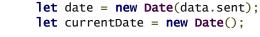
You don't need to use momentjs.

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```
calculateDiff(data){
    let date = new Date(data.sent);
    let currentDate = new Date();

    let days = Math.floor((currentDate.getTime() - date.getTime()) / 1000 / 60 /
60 / 24);
    return days;
}
```

```
<div *ngFor="let data of responseData" class="dataHolder">
  <div>{{data.title}}</div>
  <div>{{data.type}}</div>
  <div>{{data.msg}}</div>
   Message sent on: <div>{{data.sent}}</div>
   <div style="font-weight:bold;">sent {{calculateDiff(data)}}_ days ago</div>
</div>
```

[Working demo](#)

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```html
<div style="font-weight:bold;">sent {{calculateDiff(data.sent)}} days
ago</div>
```

ts file:

```ts
calculateDiff(sentOn){

        let todayDate = new Date();
        let sentOnDate = new Date(sentOn);
        sentOnDate.setDate(sentOnDate.getDate());
        let differenceInTime = todayDate.getTime() - sentOnDate.getTime();
        // To calculate the no. of days between two dates
        let differenceInDays = Math.floor(differenceInTime / (1000 * 3600 *
24));

        return differenceInDays;
    }
```

answered Nov 19 '19 at 9:53

[Saurabh Yadav](#)
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In your html, pass the dateString to the **calculateDiff** function

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```html
<div style="font-weight:bold;">sent {{calculateDiff(data.sent)}} days ago</div>
```

In your ts, change your code like this,

```ts
calculateDiff(date: string){
    let d2: Date = new Date();
    let d1 = Date.parse(date); //time in milliseconds
    var timeDiff = d2.getTime() - d1;
    var diff = timeDiff / (1000 * 3600 * 24);
    return Math.floor(diff);
}
```

answered Nov 19 '19 at 9:47

[Meyyappan Subramaniyan](#)
343 6

Please see [this](#). You have to pass date `calculateDiff(data.sent)`