# How to create custom pipeSearch ,Filter Pipe ,HightLight

In Html

<div><input type="text" placeholder="search" [(ngModel)]="serchString"></div>

<div \*ngFor="let items of items | datafilter : serchString">

<span [innerHTML]="items.app | searchedTerm: serchString"></span>

</div>

<div \*ngIf="(items | datafilter : serchString)?.length==0"> Data not Found</div>

In ts

…

serchString='';

items=[

{app:'aaaa1',id:1},

{app:'aaaa2',id:2},

{app:'aaaa3',id:3},

{app:'aaaa4',id:4},

{app:'aaaa5',id:5},

];

…

**In page.module.ts**

**…**

**import { DatafilterPipe } from '../DatafilterPipe.pipe';**

**import { SearchedTermPipe } from '../SearchedTermPipe.pipe';**

**..**

**declarations: [SearchPage,SearchFilterPipe,HightlighterPipe],**

**...**

**In datafilter pipe**

**import { Pipe, PipeTransform } from '@angular/core';**

**@Pipe({**

**name: 'datafilter'**

**})**

**export class DatafilterPipe implements PipeTransform {**

**transform(items: any, args?: any): any {**

**if (args === undefined) return items;**

**if (!items) { return []; }**

**if (!args) { return items; }**

**return items.filter( it => {**

**return it.app.toLowerCase().includes(args.toLowerCase());**

**});**

**}**

**}**

**In searchedTerm pipe**

**import { Pipe, PipeTransform } from '@angular/core';**

**import { DomSanitizer, SafeHtml } from '@angular/platform-browser';**

**@Pipe({**

**name: 'searchedTerm'**

**})**

**export class SearchedTermPipe implements PipeTransform {**

**constructor(private \_sanitizer: DomSanitizer) { }**

**transform(list: any, searchText?: any): any {**

**var LocalsearchText=searchText.toLowerCase();**

**if (!list) { return []; }**

**if (!searchText) { return list; }**

**const value = list.replace(**

**LocalsearchText, `<span style='background-color:yellow'>${LocalsearchText}</span>` );**

**console.log('value', value);**

**return this.\_sanitizer.bypassSecurityTrustHtml(value);**

**}**

**}**

**}**

**\*\* to use a pipe in multiple component generate a shareable module and call every module**

**To create a new module**

**ng g module SharebleModule**

**In Shareble-module.module.ts**

**import { NgModule } from '@angular/core';**

**import { CommonModule } from '@angular/common';**

**import { SearchFilterPipe } from '../search-filter.pipe';**

**import { HightlighterPipe } from '../hightlighter.pipe';**

**@NgModule({**

**declarations: [SearchFilterPipe,HightlighterPipe],**

**imports: [**

**CommonModule**

**],**

**exports:[SearchFilterPipe,HightlighterPipe]**

**})**

**export class SharebleModuleModule { }**

**And Call in component module**

**In page.module.ts**

**…**

**import { SharebleModuleModule } from '../shareble-module/shareble-module.module';**

**…**

**imports: [**

**...**

**SharebleModuleModule,**

**...**

**]**