**Создание карточки**

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| ***styles.css*** | 13 |
| ***@import url('https://fonts.googleapis.com/css?family=Open+Sans:400,400i,600,600i&display=swap');***  **@import "~@angular/material/prebuilt-themes/indigo-pink.css";**  ***\* {***  ***font-family: 'Open Sans', sans-serif;***  ***}***  **section {**  **width: 50%;**  **border: 1px solid #3f51b5;**  **margin: 15px auto;**  **box-shadow: 0 2px 5px 0 rgba(0,0,0,0.24)**  **}**  **h1 {**  **text-align: center;**  **background: #3f51b5;**  **color: #fff;**  **padding: 5px;**  **margin: 0**  **}** | |

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| ***app.module.ts*** | ***app.component.html*** | 14 |
| ***…***  ***import {MatCardModule} from '@angular/material/card';***  ***import { CardComponent } from './card/card.component';***  ***…***  ***declarations: [***  ***…***  ***CardComponent***  ***…***  ***]***  ***imports: [***  ***…***  ***MatCardModule***  ***…***  ***]*** | ***…***  ***<app-card></app-card>*** | |
| ***card.component.html*** | ***card.component.css*** | |
| **<section>**  **<h1>Пример карточки</h1>**  **<mat-card class="example-card" *(mouseenter)="toggleElement(myelement)" (mouseleave)="toggleElement(myelement)" [ngClass]="{ 'addshadow': showElement.myelement }"*>**  **<mat-card-header>**  **<div mat-card-avatar title="Подарочный сертификат" class="myheader"> <mat-icon>card\_giftcard</mat-icon></div>**  **<mat-card-title>Туфли летние</mat-card-title>**  **<mat-card-subtitle>Rieker Men</mat-card-subtitle>**  **</mat-card-header>**  **<a href="#" title="Туфли летние Rieker Men - натуральная кожа"><img mat-card-image src="*./assets/images/13.jpg*" alt="Туфли летние"></a>**  **<mat-card-content>**  **<div class="stars" *[ngClass]="{ 'addstars': showElement.myelement }"*><mat-icon>star</mat-icon> <mat-icon>star</mat-icon> <mat-icon>star</mat-icon> <mat-icon>star\_half</mat-icon> <mat-icon>star\_border</mat-icon></div>**  **<p> Материал верха: натуральная кожа </p>**  **<p>Ограниченная серия</p>**  **<p><span class="price">148,0 руб.</span></p>**  **<ul> <li><button mat-icon-button><mat-icon>lens</mat-icon></button></li>**  **<li><button mat-icon-button><mat-icon>lens</mat-icon></button></li>**  **<li><button mat-icon-button><mat-icon>lens</mat-icon></button></li>**  **</ul>**    **</mat-card-content>**  **<mat-card-actions>**  **<p title="Добавить товар в корзину" class="mybutton" *[ngClass]="{ 'addbutton': showElement.myelement }"*><a href="#">ДОБАВИТЬ В КОРЗИНУ</a></p>**  **</mat-card-actions>**  **</mat-card>**  **</section>** | **.example-card {**  **max-width: 286px;**  **min-height: 545px**  **}**    **.addshadow {**  **box-shadow: 0 12px 15px 0 rgba(0,0,0,0.24);**  **z-index: 1**  **}**  **.myheader {**  **background: #7cc576;**  **color: #fff;**  **display: flex;**  **justify-content: center;**  **align-items: center**  **}**    **mat-card-content p {**  **text-align: center;**  **font-weight: bold;**  **line-height: .8;**  **color: #333**  **}**  **.price {**  **font-size: 1.5em;**  **font-weight: normal;**  **color: #f00**  **}**  **ul {**  **text-align: center;**  **padding: 0**  **}**  **li { display: inline }**  **li:nth-child(1) { color: #ee1313 }**  **li:nth-child(2) { color: #7cc576 }**  **li:nth-child(3) { color: #000000 }**  **button { transform: scale(.7, .7) }**  **.mybutton, .addbutton {**  ***transition: 0.3s;***  **text-align: center;**  **margin: 0;**  **padding: 10px;**  **font-weight: bold;**  **}**  **.mybutton { background: #ccc }**  **.addbutton { background: #f63440 }**  **p a { display:block;**  **width: 100%;**  **height: 100%;**  **text-decoration: none}**  **p *a:link, a:visited* { color: #fff }**  **mat-card-actions p:hover { background: #000}**  **.stars, .addstars {**  **text-align: center;**  **position: relative;**  **top: -30px;**  **}**  **.stars { color: #ccc }**  **.addstars {**  ***animation: flyStars .5s;***  **color: #f63440;**  **}**  ***@keyframes flyStars {***  ***0% { opacity: 0 }***  ***50% { opacity: 0 }***  ***70% { opacity: 0;***  ***transform: translateX(30%) }***  ***100% { opacity: 1;***  ***transform: translateX(0) }***  ***}*** | |
| ***card.component.ts*** |
| **import { Component, OnInit } from '@angular/core';**  ***const showElement = {***  ***myelement: false***  ***}***  **@Component({**  **selector: 'app-card',**  **templateUrl: './card.component.html',**  **styleUrls: ['./card.component.css']**  **})**  **export class CardComponent implements OnInit {**  ***showElement=showElement***  ***toggleElement(myelement: any) {***  ***showElement.myelement = !showElement.myelement***  ***// console.log('Переключение', showElement.myelement)***  **}**  **constructor() { }**  **ngOnInit() { }**  **}** |
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**Создание кнопки-переключателя c фильтрацией**

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| ***app.module.ts*** | ***app.component.html*** | 15 |
| ***…***  ***import {MatButtonToggleModule} from '@angular/material/button-toggle';***  ***import {MatTooltipModule} from '@angular/material/tooltip';***  ***…***  ***declarations: [***  ***…***  ***ButtonToggleComponent***  ***…***  ***]***  ***imports: [***  ***…***  ***MatButtonToggleModule,***  ***MatTooltipModule***  ***…***  ***]*** | ***…***  ***<app-button-toggle></app-button-toggle>*** | |
| ***button-toggle.component.html*** | ***button-toggle.component.css*** | |
| **<section>**  **<h1>Пример кнопки-переключателя</h1>**  **<p>**  **<mat-button-toggle-group *#group*="matButtonToggleGroup">**  **<mat-button-toggle *checked* value="*men*" *matTooltip="Товары для мужчин"*>Для него</mat-button-toggle>**  **<mat-button-toggle value="*women*" *matTooltip="Товары для женщин"*>Для нее</mat-button-toggle>**  **<mat-button-toggle value="*acces*" *matTooltip="Аксессуары"*>Аксессуары</mat-button-toggle>**  **</mat-button-toggle-group>**  **</p>**  **<div *[ngSwitch]="group.value"*>**  **<div class="card\_container" *\*ngSwitchCase="'men'"*>**  **<mat-card class="example-card ghost" *\*ngFor="let menwear of menWears; let i=index" (mouseenter)="toggleElement(i)" (mouseleave)="toggleElement(i)" [ngClass]="{ 'addshadow': showElement[i] }"*>**  **<mat-card-header>**  **<div mat-card-avatar title="*{{menwear.atitle}}*" class="myheader" *[ngStyle]="{'background': menwear.sales ? 'red' : 'green'}"*> <mat-icon>*{{ menwear.sales ? 'monetization\_on' : 'card\_giftcard' }}*</mat-icon></div>**  **<mat-card-title>*{{menwear.htitle}}*</mat-card-title>**  **<mat-card-subtitle> *{{menwear.hsubtitle}}*</mat-card-subtitle>**  **</mat-card-header>**  **<a href="*{{menwear.url}}*" title="*{{menwear.htitle}} {{menwear.hsubtitle}}. {{menwear.mtitle}}"*><img mat-card-image src="./assets/images/*{{menwear.image}}*" alt="*{{menwear.htitle}}*"></a>**  **<mat-card-content>**  **<div class="stars" *[ngClass]="{ 'addstars': showElement[i] }*"><mat-icon>star</mat-icon> <mat-icon>star</mat-icon> <mat-icon>star</mat-icon> <mat-icon>star\_half</mat-icon> <mat-icon>star\_border</mat-icon></div>**  **<p>*{{menwear.mtitle}}* </p>**  **<p>*{{menwear.msubtitle}}*</p>**    **<p>*<span class="priceoff">{{ menwear.sales ? menwear.price\*1.2+' руб. ' : '' }} </span>* <span class="price">*{{ menwear.price }}* руб.</span></p>**  **<ul> <li><button mat-icon-button><mat-icon>lens</mat-icon></button></li>**  **<li><button mat-icon-button><mat-icon>lens</mat-icon></button></li>**  **<li><button mat-icon-button><mat-icon>lens</mat-icon></button></li>**  **</ul>**    **</mat-card-content>**  **<mat-card-actions>**  **<p title="Добавить товар в корзину" class="mybutton" *[ngClass]="{ 'addbutton': showElement[i] }"*><a href="#">ДОБАВИТЬ В КОРЗИНУ</a></p>**  **</mat-card-actions>**  **</mat-card>**  **</div>**  **<div class="card\_container" \*ngSwitchCase="'women'">**  **<mat-card class="example-card ghost" \*ngFor="let womenwear of womenWears; let i=index" (mouseenter)="toggleElement1(i)" (mouseleave)="toggleElement1(i)" [ngClass]="{ 'addshadow': showElement1[i] }">**  **<mat-card-header>**  **<div mat-card-avatar title="{{womenwear.atitle}}" class="myheader" [ngStyle]="{'background': womenwear.sales ? 'red' : 'green'}"> <mat-icon>{{ womenwear.sales ? 'monetization\_on' : 'card\_giftcard' }}</mat-icon></div>**  **<mat-card-title>{{womenwear.htitle}}</mat-card-title>**  **<mat-card-subtitle> {{womenwear.hsubtitle}}</mat-card-subtitle>**  **</mat-card-header>**  **<a href="{{womenwear.url}}" title="{{womenwear.htitle}} {{womenwear.hsubtitle}}. {{womenwear.mtitle}}"><img mat-card-image src="./assets/images/{{womenwear.image}}" alt="{{womenwear.htitle}}"></a>**  **<mat-card-content>**  **<div class="stars" [ngClass]="{ 'addstars': showElement1[i] }"><mat-icon>star</mat-icon> <mat-icon>star</mat-icon> <mat-icon>star</mat-icon> <mat-icon>star\_half</mat-icon> <mat-icon>star\_border</mat-icon></div>**  **<p>{{womenwear.mtitle}} </p>**  **<p>{{womenwear.msubtitle}}</p>**    **<p><span class="priceoff">{{ womenwear.sales ? womenwear.price\*1.2+' руб.' : '' }} </span> <span class="price">{{ womenwear.price }} руб.</span></p>**  **<ul> <li><button mat-icon-button><mat-icon>lens</mat-icon></button></li>**  **<li><button mat-icon-button><mat-icon>lens</mat-icon></button></li>**  **<li><button mat-icon-button><mat-icon>lens</mat-icon></button></li>**  **</ul>**    **</mat-card-content>**  **<mat-card-actions>**  **<p title="Добавить товар в корзину" class="mybutton" [ngClass]="{ 'addbutton': showElement1[i] }"><a href="#">ДОБАВИТЬ В КОРЗИНУ</a></p>**  **</mat-card-actions>**  **</mat-card>**  **</div>**  **<div class="card\_container" \*ngSwitchCase="'acces'">**  **<mat-card class="example-card ghost" \*ngFor="let accessory of accessories; let i=index" (mouseenter)="toggleElement2(i)" (mouseleave)="toggleElement2(i)" [ngClass]="{ 'addshadow': showElement2[i] }">**  **<mat-card-header>**  **<div mat-card-avatar title="{{ accessory.atitle}}" class="myheader" [ngStyle]="{'background': accessory.sales ? 'red' : 'green'}"> <mat-icon>{{ accessory.sales ? 'monetization\_on' : 'card\_giftcard' }}</mat-icon></div>**  **<mat-card-title>{{ accessory.htitle}}</mat-card-title>**  **<mat-card-subtitle> {{ accessory.hsubtitle}}</mat-card-subtitle>**  **</mat-card-header>**  **<a href="{{ accessory.url}}" title="{{ accessory.htitle}} {{ accessory.hsubtitle}}. {{ accessory.mtitle}}"><img mat-card-image src="./assets/images/{{ accessory.image}}" alt="{{ accessory.htitle}}"></a>**  **<mat-card-content>**    **<div class="stars" [ngClass]="{ 'addstars': showElement2[i] }"><mat-icon>star</mat-icon> <mat-icon>star</mat-icon> <mat-icon>star</mat-icon> <mat-icon>star\_half</mat-icon> <mat-icon>star\_border</mat-icon></div>**  **<p>{{ accessory.mtitle}} </p>**  **<p>{{ accessory.msubtitle}}</p>**    **<p><span class="priceoff">{{ accessory.sales ? accessory.price\*1.2+' руб.' : '' }} </span> <span class="price">{{ accessory.price }} руб.</span></p>**  **<ul> <li><button mat-icon-button><mat-icon>lens</mat-icon></button></li>**  **<li><button mat-icon-button><mat-icon>lens</mat-icon></button></li>**  **<li><button mat-icon-button><mat-icon>lens</mat-icon></button></li>**  **</ul>**    **</mat-card-content>**  **<mat-card-actions>**  **<p title="Добавить товар в корзину" class="mybutton" [ngClass]="{ 'addbutton': showElement2[i] }"><a href="#">ДОБАВИТЬ В КОРЗИНУ</a></p>**  **</mat-card-actions>**  **</mat-card>**  **</div>**  **</div>**  **</section>** | **@import url(../card/card.component.css);**  **section { width: 100% }**  **p { text-align: center }**  **mat-button-toggle-group {**  **margin-top: 20px;**  **transform: scale(.9, .9);**  **}**  **.mat-button-toggle {**  **color: #b6b6b6**  **}**  **.mat-button-toggle-checked {**  **color: #fff;**  **background: #f63440**  **}**  **.card\_container {**    **display: flex;**  **justify-content: center;**  **flex-wrap: wrap;**  **}**  **.priceoff {**  **text-decoration: line-through;**  **font-size: 1.2em;**  **font-weight: normal;**  **color: #ccc**  **}**  **.ghost { animation: flyGhost 1s; }**  **@keyframes flyGhost {**  **from { opacity: 0; transform: scale(0,0) }**  **to { opacity: 1; transform: scale(1,1)}**  **}** | |
| ***button-toggle.component.ts*** | |
| **import { Component, OnInit } from '@angular/core';**  **const menWears = [**  **{**  **sales: false,**  **atitle: 'Подарочный сертификат',**  **htitle: 'Туфли летние',**  **hsubtitle: 'Rieker Men',**  **image: '13.jpg',**  **mtitle: 'Материал верха: натуральная кожа',**  **msubtitle: 'Ограниченная серия',**  **url: '#',**  **price: 148**  **},**  **{**  **sales: false,**  **atitle: 'Подарочный сертификат',**  **htitle: 'Сумка мужская',**  **hsubtitle: 'Kari',**  **image: '7.jpg',**  **mtitle: 'Материал: натуральная кожа',**  **msubtitle: 'Ограниченная серия',**  **url: '#',**  **price: 77**  **},**  **{**  **sales: true,**  **atitle: 'Распродажа',**  **htitle: 'Куртка мужская',**  **hsubtitle: 'ALPEX',**  **image: '8.jpg',**  **mtitle: 'Мембрана с двойным покрытием',**  **msubtitle: 'КАЧЕСТВО ALPEX',**  **url: 'product',**  **price: 241**  **},**  **{**  **sales: false,**  **atitle: 'Подарочный сертификат',**  **htitle: 'Пальто мужское',**  **hsubtitle: 'BAZIONI',**  **image: '16.jpg',**  **mtitle: 'Пальто классическое',**  **msubtitle: 'химическая чистка разрешена',**  **url: '#',**  **price: 439.02**  **}**  **]**  **const womenWears = [**  **{**  **sales: false,**  **atitle: 'Подарочный сертификат',**  **htitle: 'Пальто женское',**  **hsubtitle: 'Zlata',**  **image: '15.jpg',**  **mtitle: 'Искусственный кашемир',**  **msubtitle: 'Ограниченная серия',**  **url: '#',**  **price: 135**  **},**  **{**  **sales: true,**  **atitle: 'Распродажа',**  **htitle: 'Сапоги женские',**  **hsubtitle: 'Pierre Cardin',**  **image: '5.jpg',**  **mtitle: 'Материал: натуральная кожа',**  **msubtitle: 'Ограниченная серия',**  **url: '#',**  **price: 477**  **},**  **{**  **sales: false,**  **atitle: 'Подарочный сертификат',**  **htitle: 'Сумка женская',**  **hsubtitle: 'Suffle',**  **image: '14.jpg',**  **mtitle: 'Искусственная кожа',**  **msubtitle: 'С тиснением',**  **url: '#',**  **price: 129.93**  **},**  **{**  **sales: true,**  **atitle: 'Распродажа',**  **htitle: 'Сумка женская',**  **hsubtitle: 'Roberta Rossi',**  **image: '6.jpg',**  **mtitle: 'Искусственная кожа',**  **msubtitle: 'застежка на молнию',**  **url: '#',**  **price: 89**  **}**  **]**  **const accessories = [**  **{**  **sales: true,**  **atitle: 'Распродажа',**  **htitle: 'Сумка-рюкзак',**  **hsubtitle: 'Passo Avanti',**  **image: '1.jpg',**  **mtitle: 'Два отделения',**  **msubtitle: 'Спереди карман',**  **url: '#',**  **price: 65**  **},**  **{**  **sales: false,**  **atitle: 'Подарочный сертификат',**  **htitle: 'Зонт мужской',**  **hsubtitle: 'BR-5005',**  **image: '2.jpg',**  **mtitle: 'Полуавтомат с чехлом',**  **msubtitle: 'Цвет: черный',**  **url: '#',**  **price: 28.55**  **},**  **{**  **sales: false,**  **atitle: 'Подарочный сертификат',**  **htitle: 'Браслет',**  **hsubtitle: 'LAMBRE',**  **image: '3.jpg',**  **mtitle: 'Французская бижутерия',**  **msubtitle: 'На каждый день',**  **url: '#',**  **price: 52**  **},**  **{**  **sales: false,**  **atitle: 'Подарочный сертификат',**  **htitle: 'Подвеска',**  **hsubtitle: 'Roberta Rossi',**  **image: '4.jpg',**  **mtitle: 'Медный сплав',**  **msubtitle: 'Цирконий',**  **url: '#',**  **price: 27**  **}**  **]**  ***const showElement = []***  ***for (let i=0; i<menWears.length; i++) { showElement.push(false) }***  ***const showElement1 = []***  ***for (let i=0; i<womenWears.length; i++) { showElement1.push(false) }***  ***const showElement2 = []***  ***for (let i=0; i<accessories.length; i++) { showElement2.push(false) }***  **@Component({**  **selector: 'app-button-toggle',**  **templateUrl: './button-toggle.component.html',**  **styleUrls: ['./button-toggle.component.css']**  **})**  **export class ButtonToggleComponent implements OnInit {**  ***showElement=showElement***  ***showElement1=showElement1***  ***showElement2=showElement2***  **menWears = menWears**  **womenWears = womenWears**  **accessories=accessories**    ***toggleElement(curelement: any) {***  ***showElement[curelement] = !showElement[curelement]***  ***// console.log(showElement)***  ***}***  ***toggleElement1(curelement: any) {***  ***showElement1[curelement] = !showElement1[curelement]***  ***}***  ***toggleElement2(curelement: any) {***  ***showElement2[curelement] = !showElement2[curelement]***  ***}***  **constructor() { }**  **ngOnInit() {**  **}**  **}** | |