



Assuntos Importantes

Componentes

Diretivas

Rotas

Pipes

Observables

Services





Já falamos sobre Componente

Componente Angular

HTML

CSS

TS

(home.component.css)

(home.component.html)

home.component.ts



<app-home></app-home>





Attribute Directives

Altera a **aparência** e o **comportamento** de um elemento, componente ou outra diretiva.





Attribute Directives

Decorator

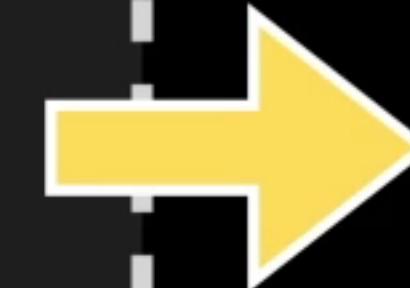
```
-----  
@Directive({  
  selector: '[appRed]'  
})  
export class RedDirective {  
  
  constructor(el: ElementRef) {  
    el.nativeElement.style.color = '#e35e6b';  
  }  
}  
-----
```



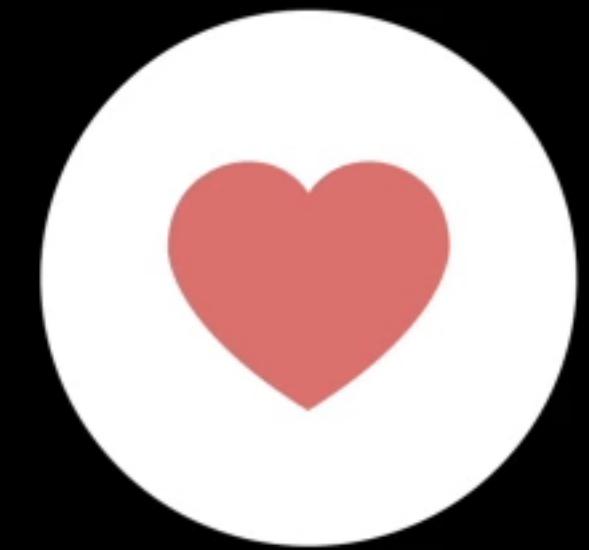
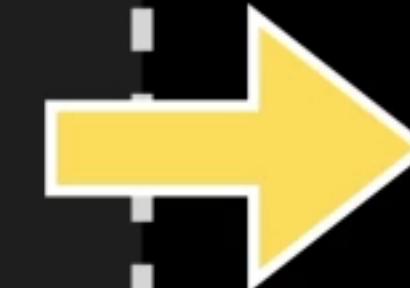


Attribute Directives

```
<i class="material-icons v-middle">  
  favorite  
</i>
```



```
<i class="material-icons v-middle" appRed>  
  favorite  
</i>
```





Structural Directives

Altera o layout **adicionando** e **removendo**
elementos da **DOM**.





Structural Directives

```
<form *ngIf="product"
      class="product-form">
</form>
```

```
<ul>
  <li *ngFor="let product of products">
    {{ product.name }}
  </li>
</ul>
```





Property Binding

Componente Angular

HTML

```
<table  
  [dataSource] = "products">  
  
</table>
```

TS

```
@Component({  
  selector: 'app-product-read',  
  templateUrl: './product-read.component.html',  
  styleUrls: ['./product-read.component.css']  
})  
export class ProductReadComponent  
  implements OnInit {  
  
  products: Product[];  
}
```





Event Binding

Componente Angular

HTML

```
<button mat-raised-button  
       (click)="createProduct()"  
       color="primary">  
  Salvar  
</button>
```

TS

```
@Component({  
  selector: "app-product-create",  
  templateUrl: "./product-create.component.html",  
  styleUrls: ["./product-create.component.css"]  
})  
export class ProductCreateComponent implements OnInit {  
  
  createProduct(): void {  
    // ...  
  }  
}
```





One Way Data Binding

Componente Angular

HTML

Nome

Rebeca

```
<input [value]=“nome”>
```

TS

nome

Rebeca

```
nome: string;
```





Two Way Data Binding

Componente Angular

HTML

Nome

Rebeca

```
<input [(ngModel)]="nome">
```

TS

nome

Rebeca

```
nome: string;
```





Angular Router

/home

Comp. Home

/produto

Comp. Prod

/usuario

Comp. Usuário

Componente Nav

HOME | PRODUTO | USUÁRIO

Router Outlet





Angular Router

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Router Outlet

Comp. Usuário





Angular Router

```
<a routerLink="/products">  
  Produtos  
</a>  
  
<mat-sidenav-content>  
  <router-outlet></router-outlet>  
</mat-sidenav-content>  
  
const routes: Routes = [ {  
  path: "products",  
  component: ProductCrudComponent  
, {  
  path: "products/create",  
  component: ProductCreateComponent  
}];
```



A diagram illustrating the flow of navigation. A yellow arrow points from the `routerLink="/products"` attribute in the first code block down to the `path: "products"` entry in the `routes` array. Another yellow arrow points from the `<router-outlet>` tag in the second code block up to the same `path: "products"` entry in the `routes` array, indicating that the router outlet is where the component will be rendered.





Angular Pipes

```
<p>  
  O vencimento é  
  {{ produto.vencimento | date }}  
</p>
```

COM PARAMETROS

```
<td mat-cell *matCellDef="let product">  
  {{ product.price | currency: 'BRL' }}  
</td>
```





Angular Pipes

```
<p>
  O vencimento é
  {{ produto.vencimento | date: 'fullDate' | uppercase }}
</p>
```

CHAINING

