Cheatography

Angular 2 Cheat Sheet

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Binding

One Way Binding	<h1>{{pageTitle}}</h1>
Two Way Binding	<input [(ngModel)]="customer.FirstName">
Property Binding	<img [src]="customer.imageUrl">
Attribute Binding	<button [attr.aria-label]="ok">Ok</button>
Class Binding	<div [class.Selected]="Selected">Selected</div>
ngClass	<div [ngClass]="setClasses()"> {{customer.name}} </div>
Style Binding	<button [style.color]="isSelected ? 'red' : 'white'">
ngStyle	<div [ngStyle]="setStyles()"> {{customer.name}} </div>
Component Binding	<customer-detail [customer]="currentCustomer"> <customer-detail>
Directive Binding	<div [ngClass] = "{selected: isSelected}">Customer</div>
Event Binding	<button (click)="save()">Save</button>
$event	<input [value]="customer.name" (input)="customer.name=$event.target.value">

Lifecycle Hooks

OnInit	export class Customer implements OnInit {
	 ngOnInit() {}
	}

OnChanges	export class Customer implements OnChanges {
	 ngOnChanges() {}
	}

AfterViewInit	export class Customer implements AfterViewInit {
	 ngAfterViewInit() {}
	}

OnDestroy	export class Customer implements OnDestroy {
	 ngOnDestroy() {}
	}

Pipes

Upper Case	<p>{{customer.name | uppercase}}</p>
Lower Case	<p>{{customer.name | lowercase}}</p>
Date	<p>{{orderDate | date:'medium'}}</p>
Date Format	<p>{{orderDate | date:'yMMMd''}}</p>
Currency	<p>{{price | currency}}</p>
Percent	<p>{{taxes | percent:'1.1-1'}}</p>
Number	<p>value | number:'1.1-2'}}</p>
JSON Debugging	<pre>{{Customer | json}}</pre>

Component with Inline Template

```
import { Component } from '@angular/core';
@Component({
  moduleId: module.id,
  selector: 'customer',
  template: `
    <h3>{{customer.name}}</h3>
  `
})
export class CustomerComponent {
  customer = { id: 100, name: 'John Smith' };
}
```

Structural Directives

*ngIf	<div *ngIf="currentCustomer"> Selected {{currentCustomer.Name}} </div>
*ngFor	<ul> <li *ngFor="let customer of customers"> {{ customer.name }} </li> </ul>
*ngSwitch	<div [ngSwitch]="orderStatus"> <template [ngSwitchCase]="purchased"></template> <template [ngSwitchCase]="shipped"></template> <template [ngSwitchDefault]></template> </div>

Service

```
//Example: customer.service.ts
import { HttpModule } from '@angular/http'
@Injectable()
export class CustomerService {
  constructor(private http: Http) { }
  getCustomers() {
    return this.http.get('api/customers')
      .map((response: Response) =>
<Customer[]>response.json().data)
      .catch(this.handleError);
  }
  private handleError(error: Response) {
    console.error(error);
    return Observable.throw(error.json().error ||
'Service error');
  }
```

Service (cont)

```
}
```

Injecting a Service

```
//Example: customer-list.component.ts
export class CustomerListComponent {
  customers: Customer[];

  constructor(private customerService:
CustomerService) { }
}
```

Component Linked Template

```
import { Component } from '@angular/core';
@Component({
  moduleId: module.id,
  selector: 'customer',
  templateUrl: 'customer.component.html',
  styleUrls: ['customer.component.css']
})
export class CustomerComponent {
  customer = { id: 100, name: 'John Smith' };
}
```