

# Exploring the New Template Syntax

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# Agenda

Interpolation and Expressions

Event Bindings and Statements

Repeating Data With `*ngFor`

Removing Elements With  
`*ngIf` and `*ngSwitch`

Hiding Elements

Adding Classes and Styles



```
...  
@Component({  
  template: `  
    <h2>{{user.name}}</h2>  
    <img [src]="user.imageUrl" />  
    <button (click)="doSomething()"></button>`  
})  
export class ProfileComponent {  
  user = {name: 'John Doe', imageUrl: 'doe.com/profile.jpg'}  
  
  doSomething() {  
  }  
}
```

Interpolation, Expressions, Events, and Statements



```
...
@Component({
  template: `
    <h2>{{user.name}}</h2>
    <img [src]="user.imageUrl" />
    <button (click)="doSomething()"></button>`
})
export class ProfileComponent {
  user = {name: 'John Doe', imageUrl: 'doe.com/profile.jpg'}

  doSomething() {
  }
}
```

Interpolation

Property Binding

# Interpolation, Expressions, Events, and Statements



```
...
@Component({
  template: `
    <h2>{{ getIt() }}</h2>
    <img [src]="user.imageUrl" />
    <button (click)="doSomething()"></button>`
})
export class ProfileComponent {
  user = {name: 'John Doe', imageUrl: 'doe.com/profile.jpg'}

  doSomething() {
  }
}
```

## Interpolation, Expressions, Events, and Statements



# Expression Restrictions



**Assignments (=, +=, ++, etc)**

**new Keyword**

**Expression Chaining With ;**

**Global Namespace**

# Expression Recommendations



**No Side-Effects**

**Fast**

**Simple**

**Idempotent**



```
...
@Component({
  template: `
    <h2>{{user.name}}</h2>
    <img [src]="user.imageUrl" />
    <button (click)="doSomething()"></button>`
  })
export class ProfileComponent {
  user = {name: 'John Doe', imageUrl: 'doe.com/profile.jpg'}

  doSomething() {
  }
}
```

Interpolation, Expressions, Events, and Statements





# Statement Restrictions



Assignments (`=`, `+=`, `++`, etc)

new **Keyword**

Expression Chaining With `;`

Global Namespace



# Statement Restrictions



**Assignments Except = (+=, ++, etc)**

**new Keyword**

**Expression Chaining With ;**

**Global Namespace**

# Statement Restrictions



Assignments Except = ( $+=$ ,  $++$ , etc)

new Keyword

~~Expression Chaining With ;~~

Global Namespace

# Statement Restrictions



**Assignments Except = ( $+=$ ,  $++$ , etc)**

**new Keyword**

**Global Namespace**

# Statement Restrictions



**No Side-Effects**

**Fast**

**Simple**

**Idempotent**



# Statement Restrictions



~~No Side Effects~~

Fast

Simple

Idempotent



# Statement Restrictions



~~No Side-Effects~~

Fast

Simple

~~Idempotent~~



# Statement Restrictions



~~No Side Effects~~

~~Fast~~

Simple

~~Idempotent~~





# Statement Restrictions



**Simple**



# Summary



Interpolation and Expressions

Event Bindings and Statements

Repeating Data With `*ngFor`

Removing Elements with `*ngIf`  
and `*ngSwitch`

Hiding Elements

Adding Classes and Styles

