

# Exploring the Angular 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>{{u.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)

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Global Namespace

# Statement Restrictions



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# Statement Restrictions



~~No Side Effects~~

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Simple

~~Idempotent~~





# Statement Restrictions



Simple

