# Angular Template Control Flow Demo

## 1. Setup Project

### 1.1 Install Dependencies

1. Change directory to calab:

* cd calab

1. Install dependencies by running the following command:

* npm install

## 2. Create Component and Template

### 2.1 Create a new Component and Template

1. Create a new CustomInputComponent component using CLI:

* npx -p @angular/cli ng generate component custom-input

### 2.2 Inject CustomInput Component into AppComponent

1. Inside src/app/app.component.ts do the following:
   * Import CustomInputComponent:

* import { CustomInputComponent } from './custom-input/custom-input.component';
  + Update imports to include CustomInputComponent:
* imports: [RouterOutlet, CustomInputComponent],

1. Open src/app/app.component.html template and add the following element after the <div class="divider"...

* <app-custom-input></app-custom-input>

### 2.3 Start The Application

1. Start Angular Development Server if not yet started:

* npx -p @angular/cli ng serve
* *Otherwise refresh the browser tab to see updated view.*

## 3. Capture User Input and Update View Based On Users Value

### 3.1 Capture User Input

1. Open src/app/custom-input/custom-input.component.html and replace current HTML with the following:

* <input type="text" (input)="onInputChange($event)">

1. Open src/app/custom-input/custom-input.component.ts and add the following code inside CustomInputComponent class:

* import { Component } from '@angular/core';  
    
  @Component({  
   selector: 'app-custom-input',  
   standalone: true,  
   imports: [],  
   templateUrl: './custom-input.component.html',  
   styleUrl: './custom-input.component.css'  
  })  
  export class CustomInputComponent {  
   value: string = ''  
    
   onInputChange(event: any) {  
   this.value = event.target.value;  
   }  
  }

### 3.2 Add @if built-in control flow block

1. Open src/app/custom-input/custom-input.component.html and add the following code just below the <input> element:

* <div>  
   @if (!value || value.length < 5) {  
   Type at least 5 characters  
   } @else {  
   Perfect :)  
   }  
  </div>

### 3.3 Start The Application

1. Start Angular Development Server if not yet started:

* npx -p @angular/cli ng serve
* *Otherwise refresh the browser tab to see updated view.*