

Sql server, .net and c# video tutorial

Free C#, .Net and Sql server video tutorial for beginners and intermediate programmers.

[Support us](#) [.Net Basics](#) [C#](#) [SQL](#) [ASP.NET](#) [ADO.NET](#) [MVC](#) [Slides](#) [C# Programs](#) [Subscribe](#) [Buy DVD](#)

Angular content projection

Suggested Videos

[Part 59 - Edit form in angular](#) | [Text](#) | [Slides](#)

[Part 60 - Angular delete form](#) | [Text](#) | [Slides](#)

[Part 61 - Angular accordion example](#) | [Text](#) | [Slides](#)

In this video we will discuss **content projection in Angular** with an example. This is continuation to [Part 61](#). Please watch [Part 61](#) from [Angular CRUD tutorial](#) before proceeding.

Content projection helps us create reusable components. In Angular 1, this is called **transclusion**. Let us understand content projection, with an example. We want to create a reusable accordion type of control. The panel heading must be clickable, and when clicked the panel body and footer must be collapsed. Clicking on the panel heading again, must expand the collapsed panel body and footer.

Another important requirement is, this accordion panel must be reusable with any other component in our application. The component that uses this accordion panel component, must be able to specify what content it wants in the accordion panel body and footer.

PRAGIM
TECHNOLOGIES
Training + Placements

Best software training and placements in marathahalli, bangalore. For further details please call 09945699393.

Complete Tutorials

[JavaScript tutorial](#)

[Bootstrap tutorial](#)

[Angular tutorial for beginners](#)

[Angular 5 Tutorial for beginners](#)

Important Videos

[The Gift of Education](#)

[Web application for your business](#)



For example, if we use this accordion panel, with a ***ProductComponent*** that displays a product, then in the accordion panel body, the **ProductComponent** may want to project and display product image, price, weight etc. In the footer, the **ProductComponent** may want to project and display buttons to customise the product or buy.

In our case we want to use this accordion panel, with ***DisplayEmployeeComponent***. So in the panel body we want to project and display, employee photo, gender, date of birth, email etc. In the footer, we want to project and display buttons to View, Edit and Delete employee as shown below.

[How to become .NET developer](#)

[Resources available to help you](#)

Dot Net Video Tutorials

[ASP.NET Core Tutorial](#)

[Angular 6 Tutorial](#)

[Angular CRUD Tutorial](#)

[Angular CLI Tutorial](#)

[Angular 2 Tutorial](#)

[Design Patterns](#)

[SOLID Principles](#)

[ASP.NET Web API](#)

[Bootstrap](#)

[AngularJS Tutorial](#)

[jQuery Tutorial](#)

[JavaScript with ASP.NET Tutorial](#)

[JavaScript Tutorial](#)

[Charts Tutorial](#)

[LINQ](#)

[LINQ to SQL](#)

[LINQ to XML](#)

[Entity Framework](#)

MARY



Gender	: Female
Date of Birth	: Nov 20, 1979
Contact Preference	: Phone
Phone	: 2345978640
Email	:
Department	: HR
Active	: true

[View](#) [Edit](#) [Delete](#)

So the important question that we need to answer is, how will the components that use this accordion component be able to inject variable content into the accordion panel body and footer.

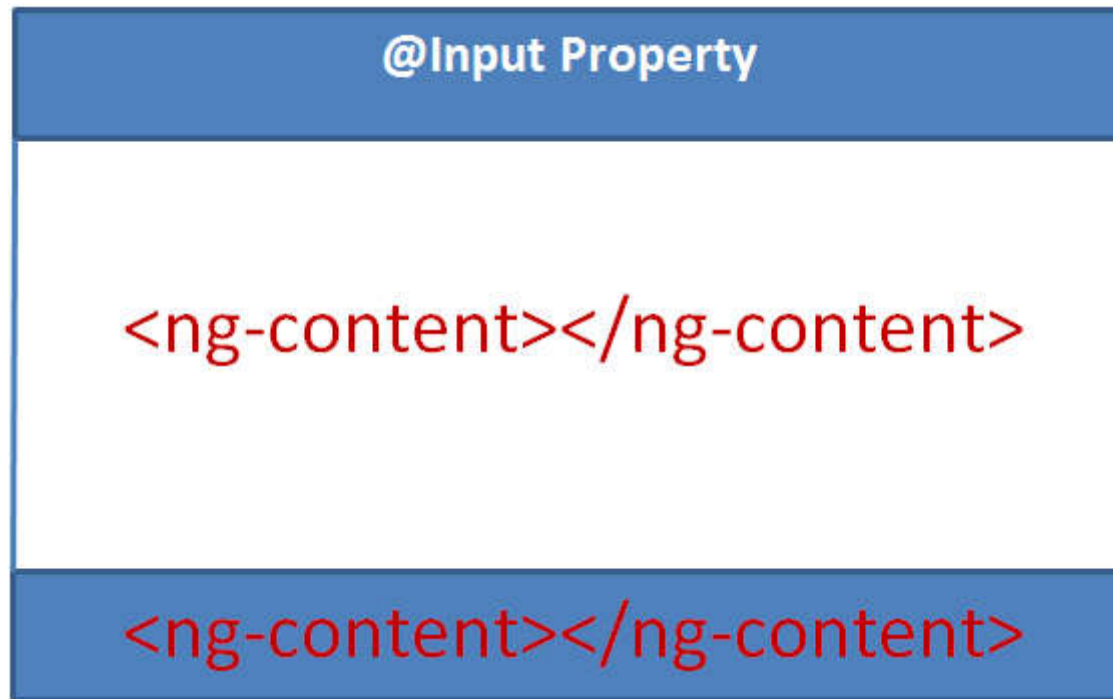
By using **<ng-content>** tag

As you can see in the image below, you can think of this **<ng-content>** as a place holder for the variable content. In a bit we will understand, how a component that uses this accordion component can project variable content depending on the requirements of your application.

[WCF](#)[ASP.NET Web Services](#)[Dot Net Basics](#)[C#](#)[SQL Server](#)[ADO.NET](#)[ASP.NET](#)[GridView](#)[ASP.NET MVC](#)[Visual Studio Tips and Tricks](#)[Dot Net Interview Questions](#)

Slides

[Entity Framework](#)[WCF](#)[ASP.NET Web Services](#)[Dot Net Basics](#)[C#](#)[SQL Server](#)[ADO.NET](#)[ASP.NET](#)



First, let's create our reusable accordion component. This is a reusable component and can be used by another component in our application. So, let's place this component in the "Shared" folder. Use the following Angular CLI command to create the component.

```
ng g c shared/accordion --flat
```

accordion.component.ts : Notice, in the component class we have introduced 3 properties. The code is commented and self-explanatory.

```
export class AccordionComponent implements OnInit {  
  // We use this property to set a different CSS class on the employee  
  // panel if we have just viewed his details  
  @Input() hasJustViewed: boolean;  
  // Sets the panel title, in our case the name of the employee  
  @Input() title: string;  
  // Controls hiding and showing panel body and footer  
  @Input() isHidden = false;  
  
  constructor() {}  
}
```

[GridView](#)[ASP.NET MVC](#)[Visual Studio Tips and Tricks](#)

Java Video Tutorials

[Part 1 : Video | Text | Slides](#)[Part 2 : Video | Text | Slides](#)[Part 3 : Video | Text | Slides](#)

Interview Questions

[C#](#)[SQL Server](#)[Written Test](#)

```
ngOnInit() {
}
}
```

accordion.component.css : The "pointerCursor" class makes the cursor a pointer when hovered over panel title, so the end user knows, it is clickable.

```
.pointerCursor {
  cursor: pointer;
}
```

accordion.component.html : As you can see, we have defined the shell for the accordion panel i.e accordion panel header, body and footer. We also have encapsulated the logic in this component to show and hide the panel body and footer. But the content that goes in the panel body and footer will be decided by the component that consumes this accordion component. The consuming component will also need to bind and pass data for the 3 input properties (title, isHidden and hasJustViewed).

```
<!-- Add panel-success class only if hasJustViewed property is true -->
<div class="panel panel-primary" [class.panel-success]="hasJustViewed">
  <!-- pointerCursor class changes the cursor style to pointer when hovered
    over the employee panel title. When clicked on the title, isHidden
    boolean property is toggled from true to false & vice-versa. We use
    this property to toggle the visibility of panel body & footer -->
  <div class="panel-heading pointerCursor" (click)="isHidden = !isHidden">
    <h3 class="panel-title">{{title | uppercase}}</h3>
  </div>
  <div class="panel-body" [hidden]="isHidden">
    <!-- ng-content specifies the slot into which the content will be projected
      by the component that consumes this accordion component -->
    <ng-content select=".myPanelBody"></ng-content>
  </div>
  <div class="panel-footer" [hidden]="isHidden">
    <!-- Another slot into which the content can be projected. Since we have more
      than one slot into which the content can be projected, this is called
      multi-slot content projection-->
```

```

    <ng-content select=".myPanelFooter"></ng-content>
  </div>
</div>

```

Changes in display-employee.component.html : The changes are commented and self-explanatory.

```

<!-- Pass employee name as the value for title input property. Also set
      isHidden input property to false if you want the panel body and footer
      to be collapsed on the initial page load.-->
<app-accordion [title]="employee.name" [isHidden]="true"
[hasJustViewed]="selectedEmployeeId === employee.id">
<!-- Notice myPanelBody css class is present on this <div>. This CCS class is
used as the selector on the <ng-content> tag in accordion component. So all this
content in this DIV will be projected at the location where we have <ng-content>
tag with css class selector .myPanelBody -->
<div class="col-xs-10 myPanelBody">
  <div class="row vertical-align">
    <div class="col-xs-4">
      <img class="imageClass" [src]="employee.photoPath" />
    </div>
    <div class="col-xs-8">

      <div class="row">
        <div class="col-xs-6">
          Gender
        </div>
        <div class="col-xs-6">
          : {{employee.gender}}
        </div>
      </div>
      <div class="row">
        <div class="col-xs-6">
          Date of Birth
        </div>
        <div class="col-xs-6">
          : {{employee.dateOfBirth | date}}
        </div>
      </div>
    </div>
  </div>

```

```
</div>
<div class="row">
  <div class="col-xs-6">
    Contact Preference
  </div>
  <div class="col-xs-6">
    : {{employee.contactPreference}}
  </div>
</div>
<div class="row">
  <div class="col-xs-6">
    Phone
  </div>
  <div class="col-xs-6">
    : {{employee.phoneNumber}}
  </div>
</div>
<div class="row">
  <div class="col-xs-6">
    Email
  </div>
  <div class="col-xs-6">
    : {{employee.email}}
  </div>
</div>
<div class="row">
  <div class="col-xs-6">
    Department
  </div>
  <div class="col-xs-6" [ngSwitch]="employee.department">
    :
    <span *ngSwitchCase="1">Help Desk</span>
    <span *ngSwitchCase="2">HR</span>
    <span *ngSwitchCase="3">IT</span>
    <span *ngSwitchCase="4">Payroll</span>
    <span *ngSwitchDefault>N/A</span>
  </div>
</div>
```

```

<div class="row">
  <div class="col-xs-6">
    Is Active
  </div>
  <div class="col-xs-6">
    : {{employee.isActive}}
  </div>
</div>

</div>
</div>
</div>
<!-- The content in the following DIV will be projected at the location
where we have <ng-content> tag with css selector .myPanelFooter -->
<div class="myPanelFooter">
  <button class="btn btn-primary" (click)="viewEmployee()">View</button>
  <button class="btn btn-primary" (click)="editEmployee()">Edit</button>
  <span *ngIf="confirmDelete">
    <span>Are you sure you want to delete ?</span>
    <button class="btn btn-danger" (click)="deleteEmployee()">Yes</button>
    <button class="btn btn-primary" (click)="confirmDelete=false">No</button>
  </span>
  <span *ngIf="!confirmDelete">
    <button class="btn btn-danger" (click)="confirmDelete=true">Delete</button>
  </span>
</div>
</app-accordion>

```

At the moment we are using class selector to match the projection content with the ng-content slot. We can use any of the CSS selectors (class selector, element selector, attribute selector etc)

WWW.PRAGIMTECH.COM

CLICK HERE FOR THE FULL ANGULAR CRUD TUTORIAL PLAYLIST

facebook.com/pragimtech | twitter.com/kudvenkat

No comments:

Post a Comment

If you like this website, please share with your friends on facebook and Google+ and recommend us on google using the g+1 button on the top right hand corner.

Enter your comment...



Comment as:

toilati123vn@g ▼

Publish

Preview

Links to this post

[Create a Link](#)

[Newer Post](#)

[Home](#)

[Older Post](#)

Subscribe to: [Post Comments \(Atom\)](#)

Powered by [Blogger](#).