

Tutorial And Example

A Tutorial Website with Real Time Examples

Two-way Data Binding in Angular 8

August 1, 2019

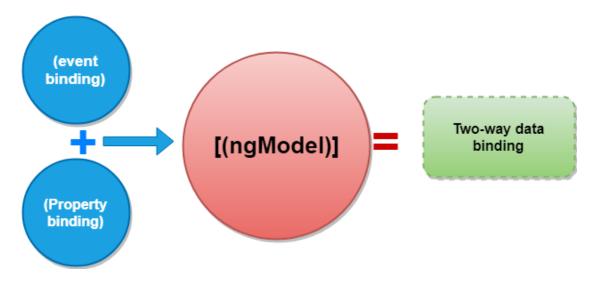


Two-way Data Binding in Angular 8

Two-way data binding is a synchronization between the model and the view. We can use the ngModel directive in two-way data binding. Custom two-way data binding is useful in form controls.

We have analyzed that in one-way data binding, changes in the template were not be reflected in the component Typescript code. To overcome this problem, Angular provides two-way data binding. The two-way Data binding has a feature to update data from component to the view and view to the component.

In the two-way data binding, **property binding**, and event binding, both are combined.

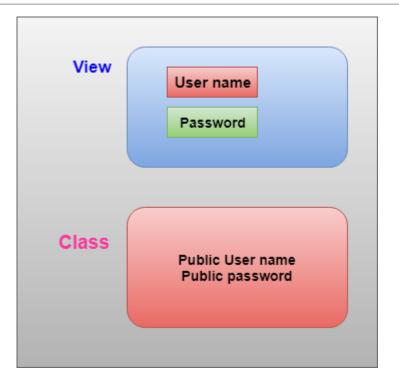




model.

Syntax:

```
[(ngModel)]= "[property of our component]"
```



Example:

Open project's app.module.ts file and use the following code:

```
import {BrowserModule} from '@angular/platform-browser';
import {NgModule } from '@angular/core';
import { FormsModule} from '@angular/core';
import{ AppComponent } from './app.component';
@NgModule ({
declarations: [
AppComponent
],
imports:[
BrowserModule,
FormsModule
],
providers:[ ]
bootstrap:[AppComponent]
})
```



```
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                                                                               app.module.ts - Untitled (Workspace) - Visual Studio Code
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                                                                                                                  TS app.module.ts ×
a
       ■ UNTITLED (WORKSPACE)
                                                                 import { BrowserModule } from '@angular/platform-browser';
import { NgModule } from '@angular/core';
import {FormsModule} from '@angular/forms';
import { AppComponent } from './app.component';

▲ angular8databinding
Q
         ▶ node_modules
                                                                  @NgModule({

■ app
                                                                    declarations: [
           TS app-routing.module.ts
                                                                       AppComponent
           # app.component.css
                                                                     imports: [
                                                                     BrowserModule,
            TS app.component.spec.ts
                                                                       FormsModule
           TS app.component.ts
                                                                    bootstrap: [AppComponent]
           environments
                                                                  export class AppModule { }
           🖈 favicon.ico
           index.html
           TS main.ts
           TS polyfills.ts
       OUTLINE
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```

app.component.ts file:

```
import {Component } from "@angular/core";
@Component({
  selector : "app-root";
  templateUrl:"./app.component.html",
  styleUrls: ["./app.component.css"]
})
export class AppComponent {
  fullname: string="Hello Javatpoint";
}
```

```
app.component.ts - Untitled (Workspace) - Visual Studio Code
        EXPLORER
                                                          TS app.component.ts ★ → app.component.html
       ▲ UNTITLED (WORKSPACE)
                                                              import { Component } from "@angular/core";

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Q
                                                                   @Component({
    selector: "app-root",
    templateUrl: "./app.component.html",
    styleUrls: ["./app.component.css"]
         ▶ e2e
          ▶ node_modules
          TS app-routing.module.ts
                                                                   export class AppComponent {
  fullName: string = "Hello JavaTpoint";
           # app.component.css
            app.component.html
           TS app.module.ts
           assets
          * favicon.ico
           index.html
          TS polyfills.ts
       ▶ OUTLINE
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```

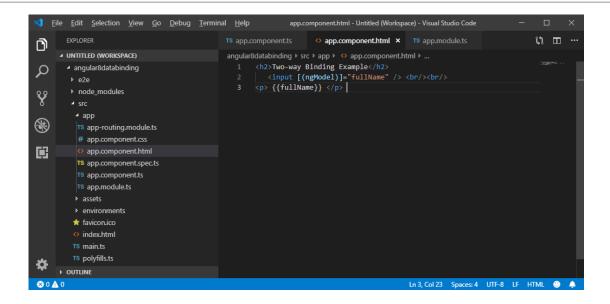
app.component.html file:

^



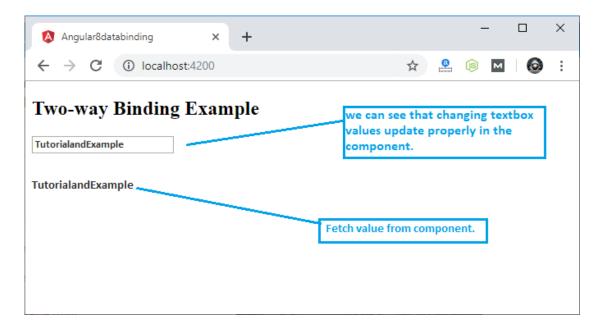


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Then start the server and open the localhost browser to the result.

Output:



We can check it by changing the textbox value, and it changed automatically in the component.

For Example:

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- > String Interpolation in Angular 8

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