

Courses

- ALL TOPICS
- ANGULAR PROJECT TRAINING
- MAGENTO 2 MODULE DEVELOPMENT
- ANGULAR 6/7
- ANGULAR MATERIAL
- NODE.JS
- REACT JS
- MAGENTO 2
- JAVASCRIPT
- CODEIGNITER
- JQUERY
- CORE PHP

How to use external JS files and JavaScript code in Angular 6/7

Posted at: February 1, 2019 3:27 PM

Share 1

In this tutorial you can learn how to use external js files and how to use JavaScript code in Angular 6/7. We have taken example of add jquery and bootstrap library and create custom JavaScript file and create function and use this custom function in specific component.

Add external JS files

If you want include any js library in your angular application like as **jquery**, **bootstrap** etc.. You can use npm command for install this library.

For example we are installing [jquery](#) and [bootstrap](#) library:

```
npm install jquery
npm install bootstrap
```

After installing this library add them in styles and scripts array in **angular.json** respectively css and js. You can see in **build: { }** object.

```
"styles": [
  "node_modules/bootstrap/dist/css/bootstrap.min.css",
  "src/styles.css"
],
"scripts": [
  "node_modules/jquery/dist/jquery.min.js",
  "node_modules/bootstrap/dist/js/bootstrap.min.js"
]
```

Add custom JavaScript files

If you want to add custom JavaScript file in your application then copy or create own js file in **src/assets**. Best way you can organize file in **src/assets** folder according file type like as JavaScript file keep in js folder.

For example I have created **custom.js** file in folder **src/assets/js** and add both JavaScript and jquery code.

src/assets/js/custom.js

```
function myTest() {
  alert('Welcome to custom js');
}

$(function() {
  alert('Hello, custom js');
});
```

And add this JavaScript file in scripts array in **angular.json** file like as above you have added jquery library.

```
"scripts": [
  ....
  "src/assets/js/custom.js"
]
```

Full code of **angular.json**

Copy

Courses

- ALL TOPICS
- ANGULAR PROJECT TRAINING
- MAGENTO 2 MODULE DEVELOPMENT
- ANGULAR 6/7
- ANGULAR MATERIAL
- NODE.JS
- REACT JS
- MAGENTO 2
- JAVASCRIPT
- CODEIGNITER
- JQUERY
- CORE PHP

```
{
  "$schema": "./node_modules/@angular/cli/lib/config/schema.json",
  "version": 1,
  "newProjectRoot": "projects",
  "projects": {
    "ang7test02": {
      "root": "",
      "sourceRoot": "src",
      "projectType": "application",
      "prefix": "app",
      "schematics": {},
      "architect": {
        "build": {
          "builder": "@angular-devkit/build-angular:browser",
          "options": {
            "outputPath": "dist/ang7test02",
            "index": "src/index.html",
            "main": "src/main.ts",
            "polyfills": "src/polyfills.ts",
            "tsConfig": "src/tsconfig.app.json",
            "assets": [
              "src/favicon.ico",
              "src/assets"
            ],
            "styles": [
              "node_modules/bootstrap/dist/css/bootstrap.min.css",
              "src/styles.css"
            ],
            "scripts": [
              "node_modules/jquery/dist/jquery.min.js",
              "node_modules/bootstrap/dist/js/bootstrap.min.js",
              "src/assets/js/custom.js"
            ]
          },
          "configurations": {
            "production": {
              "fileReplacements": [
                {
                  "replace": "src/environments/environment.ts",
                  "with": "src/environments/environment.prod.ts"
                }
              ],
              "optimization": true,
              "outputHashing": "all",
              "sourceMap": false,
              "extractCss": true,
              "namedChunks": false,
              "aot": true,
              "extractLicenses": true,
              "vendorChunk": false,
              "buildOptimizer": true,
              "budgets": [
                {
                  "type": "initial",
                  "maximumWarning": "2mb",
                  "maximumError": "5mb"
                }
              ]
            }
          }
        },
        "serve": {
          "builder": "@angular-devkit/build-angular:dev-server",
          "options": {
            "browserTarget": "ang7test02:build"
          },
          "configurations": {
            "production": {
              "browserTarget": "ang7test02:build:production"
            }
          }
        },
        "extract-i18n": {
          "builder": "@angular-devkit/build-angular:extract-i18n",
          "options": {
            "browserTarget": "ang7test02:build"
          }
        }
      }
    }
  }
}
```

Courses

- ALL TOPICS
- ANGULAR PROJECT TRAINING
- MAGENTO 2 MODULE DEVELOPMENT
- ANGULAR 6/7
- ANGULAR MATERIAL
- NODE.JS
- REACT JS
- MAGENTO 2
- JAVASCRIPT
- CODEIGNITER
- JQUERY
- CORE PHP

```
    }
  },
  "test": {
    "builder": "@angular-devkit/build-angular:karma",
    "options": {
      "main": "src/test.ts",
      "polyfills": "src/polyfills.ts",
      "tsConfig": "src/tsconfig.spec.json",
      "karmaConfig": "src/karma.conf.js",
      "styles": [
        "src/styles.css"
      ],
      "scripts": [],
      "assets": [
        "src/favicon.ico",
        "src/assets"
      ]
    }
  },
  "lint": {
    "builder": "@angular-devkit/build-angular:tslint",
    "options": {
      "tsConfig": [
        "src/tsconfig.app.json",
        "src/tsconfig.spec.json"
      ],
      "exclude": [
        "**/node_modules/**"
      ]
    }
  }
}
},
"ang7test02-e2e": {
  "root": "e2e/",
  "projectType": "application",
  "prefix": "",
  "architect": {
    "e2e": {
      "builder": "@angular-devkit/build-angular:protractor",
      "options": {
        "protractorConfig": "e2e/protractor.conf.js",
        "devServerTarget": "ang7test02:serve"
      },
      "configurations": {
        "production": {
          "devServerTarget": "ang7test02:serve:production"
        }
      }
    }
  },
  "lint": {
    "builder": "@angular-devkit/build-angular:tslint",
    "options": {
      "tsConfig": "e2e/tsconfig.e2e.json",
      "exclude": [
        "**/node_modules/**"
      ]
    }
  }
}
},
"defaultProject": "ang7test02"
}
```

How to use JavaScript code in angular 6 / 7

You can easily use JavaScript function in your specific component file.

For example I am using function `myTest()` in `src/app/app.component.ts` and call this function on button click event.

`src/app/app.component.ts`

```
.....
declare const myTest: any;
.....
```

Courses

ALL TOPICS

ANGULAR PROJECT TRAINING

MAGENTO 2 MODULE DEVELOPMENT

ANGULAR 6/7

ANGULAR MATERIAL

NODE.JS

REACT JS

MAGENTO 2

JAVASCRIPT

CODEIGNITER

JQUERY

CORE PHP

Full code

```
import { Component } from '@angular/core';
declare const myTest: any;

@Component({
  selector: 'app-root',
  templateUrl: './app.component.html',
  styleUrls: ['./app.component.css']
})
export class AppComponent {
  title = 'Angular Tutorial';

  onClick() {
    myTest();
  }
}
```

src/app/app.component.html

```
<div style="text-align:center">
  <h1>{{ title }}</h1>
  <button (click)="onClick()" class="btn btn-primary">Click Me</button>
</div>
<router-outlet></router-outlet>
```

Conclusion

In this tutorial you have learn how to add external js file and custom JavaScript code in specific component in your angular application with help of example of add jquery and bootstrap library and custom JavaScript file.

- External Js Files
- Custom Js Files
- JavaScript Code in Angular Component

Please leave comments

16 Comments

Sort By Latest ▼

Add a comment...

Cancel

Comment

Abhinav Bansal 2 weeks ago
getting an error of method not defined
[REPLY](#)

yogendra sahu 2 weeks ago
getting an error of method not defined
[REPLY](#)

Itamar Ribeiro 3 weeks ago
Worked like a charm, tks
[REPLY](#)

Anjali 2 months ago
Not working for me. it is giving ERROR ReferenceError: myTest is not defined.
[REPLY](#)

Georgemjay 1 month ago
Restart the server.
[REPLY](#)

Abhinav Bansal 2 weeks ago
Still gives the same error
[REPLY](#)

Udaysinh Shinde 2 months ago
Its not working for me. Giving error that ERROR ReferenceError: myTest is not defined :(
[REPLY](#)

Georgemjay 1 month ago
Restart the server.
[REPLY](#)

Rishi Agarwal 3 months ago
Quick question, If I have 2 js files custom1.js and custom2.js to be used in different HTML files (say file1.html and file2.html) respectively. Keeping in mind that the two html files resides in different component inside "app" folder. The How do I use each js file in their respective html/ts file?

Courses

ALL TOPICS

ANGULAR PROJECT TRAINING

MAGENTO 2 MODULE DEVELOPMENT

ANGULAR 6/7

ANGULAR MATERIAL

NODE.JS

REACT JS

MAGENTO 2

JAVASCRIPT

CODEIGNITER

JQUERY

CORE PHP

REPLY

David Hg 4 months ago

Hi! How can implement a custom Js file that uses import sentences? 'cause whe I try to do something like this: import { connectSession } from "rxq/connect"; into the custom JS file, the browser's console says: Uncaught SyntaxError: Unexpected token { in line 1 (where the import sentence is)

REPLY

Priya 4 months ago

If did any mistakes while installing angular in the sense external js won't work properly? is it?

REPLY

truecodex 4 months ago

check your external js code.

REPLY

Mohan 5 months ago

Awesome! Great topic you have explained. Thanks

REPLY

Sukhdev pawar 5 months ago

Hello sir, I have added external js in angular 7 but on routing time it's stop working??????

REPLY

truecodex 5 months ago

External js linking is not impact on routing. Please check error in your external js file.

REPLY

Sukhdev Pawar 5 months ago

ok Thanks for replying but my bootstrap date picker is not working before refresh the page ????????

REPLY

truecodex launched free android app. You can download and install truecodex app on your mobile and get notification of the latest post.



Video Tutorials on YouTube

Js JavaScript

JavaScript Tutorial

[JavaScript Tutorial](#)

JavaScript is a high-level, interpreted, dynamic programming language. It is control the web page behavior on the occurrence of an event.

Angular 6/7

Angular Tutorial

[Angular 7 Tutorial](#)

Angular 7 is a JavaScript based framework for building web applications and apps in JavaScript, html, and TypeScript.

Angular 6/7 Live Project

Project Training

[Angular Project Training](#)

Project development training of Blogger with include features admin and fronted both side.

Angular Material

Angular Material Tutorial

[Angular Material Tutorial](#)

Angular material design is a collection of angular components.

node

Node.js Tutorial

[Node.js Tutorial](#)

It's a powerful JavaScript framework. Run time environment to run JavaScript on Server.

React

React Tutorial

[React Tutorial](#)

React is a JavaScript library for building user interfaces. React app is consist of components.

Magento 2

Magento 2 Tutorial

[Magento 2 Tutorial](#)

Magento 2 is an open-source e-commerce platform written in PHP and MySQL databases. It is a very powerful.

Magento 2

Module Development

[Magento 2 Module Development](#)

RSGITECH provides module or extensions development training of Magento 2 on YouTube.

CodeIgniter 3

CodeIgniter 3.x Tutorial

[CodeIgniter 3.x Tutorial](#)

Magento 2

Customization & Issues Fixing

[Magento 2 Customization](#)

Courses

- ALL TOPICS
- ANGULAR PROJECT TRAINING
- MAGENTO 2 MODULE DEVELOPMENT
- ANGULAR 6/7
- ANGULAR MATERIAL
- NODE.JS
- REACT JS
- MAGENTO 2
- JAVASCRIPT
- CODEIGNITER
- JQUERY
- CORE PHP

[CodeIgniter](#) is a powerful PHP framework with a very small footprint, built for developers.

[RSGITECH](#) helps to user for [Magento 2 customization on YouTube](#).

[Angular 6/7](#)
[Node.Js](#)
[React.Js](#)
[Angular Material](#)

[Magento 2](#)
[Magento 2 Extension](#)
[CodeIgniter](#)
[JavaScript](#)

[About Us](#)
[Privacy Policy](#)
[Cookies Policy](#)
[Terms & Conditions](#)

FOLLOW US

