

Implement Toastr Notification In Angular

Toastr is a JavaScript library which is used to create a notification popup.

Step 1

Create an Angular project. To create a new project, open command prompt and add the following command to create the Toastr project.

```
ng new Toastr
```

Step 2

Open this project in Visual Studio Code.

Now, go to View >Terminal and install Toastr into this project by using the following npm command.

```
npm install ngx-toastr --save
```

Now, add @angular/animations to the project.

```
npm install @angular/animations --save
```

Step 3

Open app.module.ts and add animation and Toastr module in it, using the following line.

```
1. import { BrowserAnimationsModule } from '@angular/platform-browser/animations';  
2. import { ToastrModule } from 'ngx-toastr';
```

Now, import the below-mentioned modules. Here is the complete App.module.ts file.

```
1. import { BrowserModule } from '@angular/platform-browser';  
2. import { NgModule } from '@angular/core';  
3. import { AppRoutingModule } from './app-routing.module';  
4. import { AppComponent } from './app.component';  
5. import { BrowserAnimationsModule } from '@angular/platform-browser/animations';  
6. import { ToastrModule } from 'ngx-toastr';  
7. import { NotificationComponent } from './notification/notification.component';  
8. @NgModule({
```

```

9.   declarations: [
10.       AppComponent,
11.       NotificationComponent
12.   ],
13.   imports: [
14.       BrowserModule,
15.       AppRoutingModule, BrowserAnimationsModule,
16.       ToastrModule.forRoot()
17.   ],
18.   providers: [],
19.   bootstrap: [AppComponent]
20. })
21. export class AppModule { }

```

Step 4

Open Style.css file and import toastr.css.

```
@import '~ngx-toastr/toastr.css';
```

Step 5

Let's create a component. To create a component, open terminal and add the following command.

```
ng g c Notification
```

Step 6

Open the notification.component.ts file and import the ToastrService.

```
import { ToastrService } from 'ngx-toastr';
```

Add the following lines to the notification.component.ts file.

```

1. import { Component, OnInit } from '@angular/core';
2. import { ToastrService } from 'ngx-toastr';
3. @Component({
4.   selector: 'app-notification',
5.   templateUrl: './notification.component.html',
6.   styleUrls: ['./notification.component.css']
7. })
8. export class NotificationComponent implements OnInit {
9.
10.   constructor(private toastr: ToastrService) { }

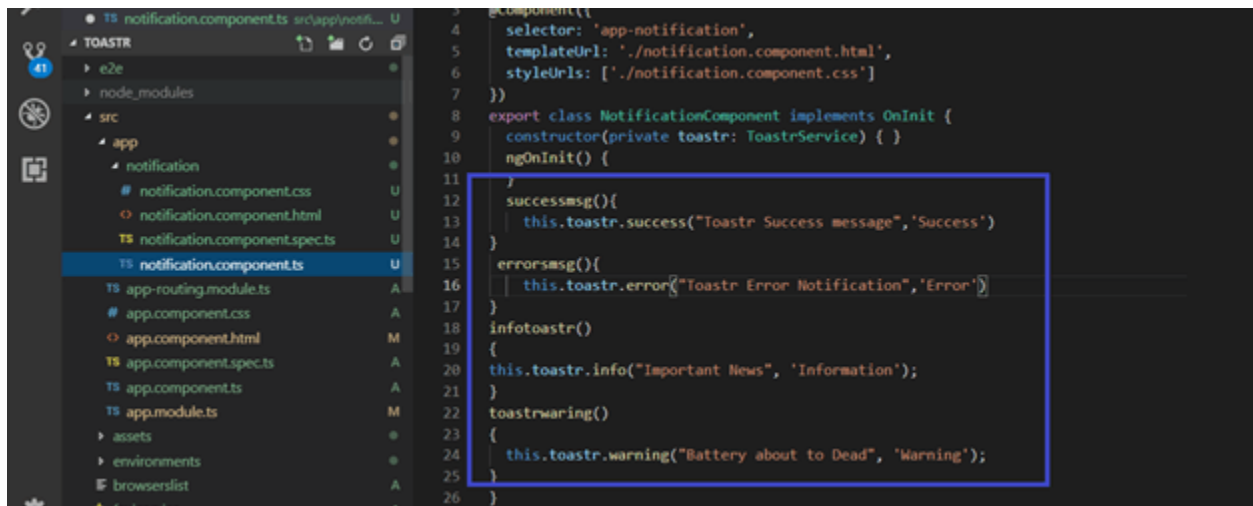
```

```

11.
12.     ngOnInit() {
13.     }
14.     successmsg(){
15.         this.toastr.success("Toastr Success message",'Success')
16.     }
17.     errormsg(){
18.         this.toastr.error("Toastr Error Notification",'Error')
19.     }
20.     }
21.     infotoastr()
22.     {
23.         this.toastr.info("Important News", 'Information');
24.     }
25.     toastrwaring()
26.     {
27.         this.toastr.warning("Battery about to Die", 'Warning');
28.     }
29.     }

```

In this file, we will create some function in which we use the Toastr success, info, warning, and error classes to display a message popup.



Step 7

Open the notification.component.html file and add 4 buttons and call the functions.

1. <div style="padding: top 20px;">

```

2. <input type="button" value=" Success Message" class="button" (c
   lick)="successmsg()">
3. <input type="button" value=" Error Message" class="button" (cli
   ck)="errorormsg()">
4. <input type="button" value=" Success Message" class="button" (c
   lick)="infotoastr()">
5. <input type="button" value=" Info Message" class="button" (clie
   ck)="toastrwaring()">
6. </div>

```

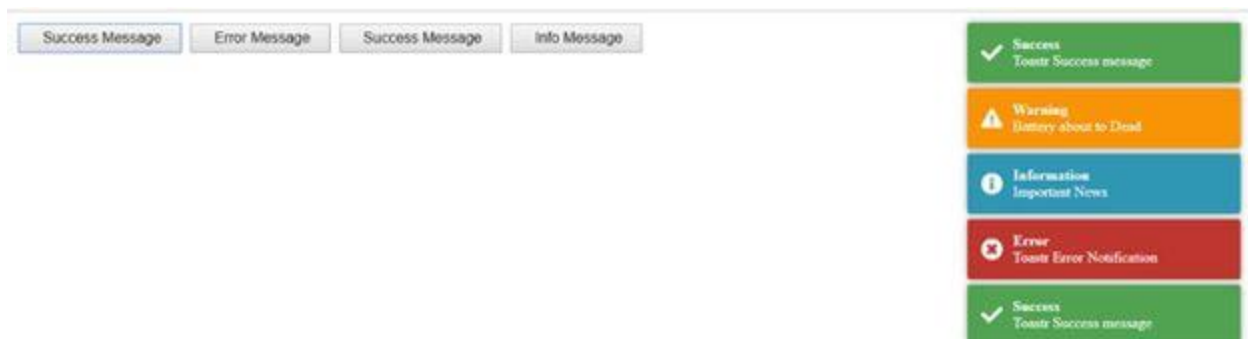
Add some styles to the buttons.

```

1. <style>
2. .button {
3.   padding: 5px 20px;
4.   margin: 5px;
5.   text-align: center;
6.   text-decoration: none;
7.   display: inline-block;
8.   font-size: 14px;
9. }
10. </style>

```

Run the project and click on the buttons. The notification popup does open and gets disabled after a few seconds.




Step 8

We can change the notification popup display location. The default display is at the top-right. We can arrange it at any of the locations on a page.

- top-center
- top-left
- bottom-right
- bottom-center

- bottom-left

To change a location, open the app.module.ts file and in the import section, make changes in the toastrmodule.forRoot function.

A screenshot of a code editor showing the app.module.ts file. The code is in TypeScript and includes imports for BrowserAnimationsModule, ToastrModule, and NotificationComponent. The @NgModule decorator is shown with declarations and imports. The ToastrModule.forRoot function is called with a configuration object { positionClass: 'top-left', closeButton: true }, which is highlighted with a blue rectangle. The code is as follows:

```
6 import { BrowserAnimationsModule } from '@angular/platform-browser/animations';
7 import { ToastrModule } from 'ngx-toastr';
8 import { NotificationComponent } from '../notification/notification.component';
9 @NgModule({
10   declarations: [
11     AppComponent,
12     NotificationComponent
13   ],
14   imports: [
15     BrowserModule,
16     AppRoutingModule, BrowserAnimationsModule,
17     ToastrModule.forRoot(
18       {
19         positionClass: 'top-left',
20         closeButton: true
21       }
22     )
23   ],
24   providers: [],
25   bootstrap: [AppComponent]
26 })
```

We can also add a button to close the notification pop up. Let's add the following lines in the app.module.ts file and run the project.

```
1. ToastrModule.forRoot(
2.   {
3.     positionClass: 'top-left',
4.     closeButton: true,
5.
6.   }
7. )
```



We have successfully changed the location of the notification message pop up. In the same way, we can change the notification popup location on a page.

Summary

We learned about Toastr and how we use Toastr notifications in Angular. Toastr provides some unique notification popups which we can use to display a message or any other notification within an application.