

CV Documentation – Part 3: App configuration

Before anything else, we need to make sure the module of our app is completely configured, so we don't get any problems or error during coding.

We will start by installing all the required packages.

- **Bootstrap:**

Since it is going to be the most used package through our app, we will start by installing bootstrap

Run the next command inside the project folder:

```
npm install bootstrap@next
```

This will install bootstrap but, to make sure everything works fine, go to the style.css file and, on the top of the file, paste the following code:

```
@import "~bootstrap/dist/css/bootstrap.css";  
@import url("https://cdn.jsdelivr.net/npm/bootstrap-  
icons@1.3.0/font/bootstrap-icons.css");
```

```
src > styles.scss  
1 | @import "~bootstrap/dist/css/bootstrap.css";  
2 | @import url("https://cdn.jsdelivr.net/npm/bootstrap-  
3 | icons@1.3.0/font/bootstrap-icons.css");
```

- **Chess Board:**

This is just in case you want to use the same chess game that's on the example app.

Run the next commands inside the project folder:

```
ng add @angular/material
```

```
npm install ngx-chess-board
```

This will install the chess board but is not going to implement it, for that, go to the app.module.ts file and import it like this:

```
import { NgxChessBoardModule } from "ngx-chess-board";
```

Now, add it inside the import list:

```
NgxChessBoardModule.forRoot()
```

```

import { BrowserModule } from '@angular/platform-browser';
import { NgModule } from '@angular/core';

import { AppRoutingModule } from './app-routing.module';
import { AppComponent } from './app.component';
import { HomeComponent } from './home/home.component';
import { PlayComponent } from './play/play.component';
import { AboutComponent } from './about/about.component';
import { BackgroundComponent } from './background/background.component';
import { ContactComponent } from './contact/contact.component';
import { MenuComponent } from './menu/menu.component';
import { LoadingComponent } from './loading/loading.component';

import { NgxChessBoardModule } from 'ngx-chess-board';

@NgModule({
  declarations: [
    AppComponent,
    HomeComponent,
    PlayComponent,
    AboutComponent,
    BackgroundComponent,
    ContactComponent,
    MenuComponent,
    LoadingComponent
  ],
  imports: [
    BrowserModule,
    AppRoutingModule,
    NgxChessBoardModule.forRoot()
  ],

```

And lastly, we need to import it to the app.component.ts and use it on the constructor:

```
import { NgxChessBoardService } from 'ngx-chess-board';
```

```
constructor(private ngxChessBoardService: NgxChessBoardService)
```

```

import { Component } from '@angular/core';
import { NgxChessBoardService } from 'ngx-chess-board';

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

  constructor(private ngxChessBoardService: NgxChessBoardService) {}

```

- **FileSaver:**

This will allow us to download files directly from our app.

Run the next command inside the project folder:

```
npm install file-saver ngx-filesaver --save
npm install @types/file-saver
```

And import it inside the app.module.ts:

```
import { FileSaverModule } from 'ngx-filesaver';
(...)
imports: [
  FileSaverModule,
]
```

```
import { NgxChessBoardModule } from 'ngx-chess-board';
import { FileSaverModule } from 'ngx-filesaver';

@NgModule({
  declarations: [
    AppComponent,
    HomeComponent,
    PlayComponent,
    AboutComponent,
    BackgroundComponent,
    ContactComponent,
    MenuComponent,
    LoadingComponent
  ],
  imports: [
    BrowserModule,
    AppRoutingModule,
    NgxChessBoardModule.forRoot(),
    FileSaverModule,
  ],
})
```

- **Local Imports:**

The last packages we need are already on our app, we just need to import them inside our angular app:

```
import { FormsModule, ReactiveFormsModule } from '@angular/forms';
```

```
import { HttpClientModule } from '@angular/common/http';
```

```
(...)
```

```
imports: [
```

```
  FormsModule,
```

```
  HttpClientModule,
```

```
  ReactiveFormsModule,
```

```
]
```

```
import { NgxChessBoardModule } from 'ngx-chess-board';
import { FileSaverModule } from 'ngx-filesaver';
import { FormsModule, ReactiveFormsModule } from '@angular/forms';
import { HttpClientModule } from '@angular/common/http';

@NgModule({
  declarations: [
    AppComponent,
    HomeComponent,
    PlayComponent,
    AboutComponent,
    BackgroundComponent,
    ContactComponent,
    MenuComponent,
    LoadingComponent
  ],
  imports: [
    BrowserModule,
    AppRoutingModule,
    NgxChessBoardModule.forRoot(),
    FileSaverModule,
    FormsModule,
    HttpClientModule,
    ReactiveFormsModule,
```

- **Routes:**

The last part of the configuration is to set the routes for our components. Go to the `app-routing.module.ts` and import all the components except loading:

```
import { AboutComponent } from './about/about.component';
import { ContactComponent } from './contact/contact.component';
import { BackgroundComponent } from './background/background.component';
import { HomeComponent } from './home/home.component';
import { PlayComponent } from './play/play.component';
```

And set up all the router paths:

```
const routes: Routes = [

  { path: 'home', component: HomeComponent },
  { path: 'play', component: PlayComponent },
  { path: 'about', component: AboutComponent },
  { path: 'background', component: HistoryComponent },
  { path: 'contact', component: ContactComponent },
  { path: '', component: HomeComponent },
  { path: '**', redirectTo: '/home', pathMatch: 'full' }

];
```

```

import { NgModule } from '@angular/core';
import { Routes, RouterModule } from '@angular/router';
import { AboutComponent } from './about/about.component';
import { ContactComponent } from './contact/contact.component';
import { BackgroundComponent } from './background/background.component';
import { HomeComponent } from './home/home.component';
import { PlayComponent } from './play/play.component';

const routes: Routes = [
  { path: 'home', component: HomeComponent },
  { path: 'play', component: PlayComponent },
  { path: 'about', component: AboutComponent },
  { path: 'background', component: BackgroundComponent },
  { path: 'contact', component: ContactComponent },
  { path: '', component: HomeComponent },
  { path: '**', redirectTo: '/home', pathMatch: 'full' }
];

```

Lastly, go to the app.component.ts and add the routes to the constructor:

```
import { Router } from '@angular/router';
```

```
constructor(private ngxChessBoardService: NgxChessBoardService, public
router: Router) { }
```

```

import { Component } from '@angular/core';
import { NgxChessBoardService } from 'ngx-chess-board';
import { Router } from '@angular/router';

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

  constructor(private ngxChessBoardService: NgxChessBoardService, public router: Router) { }
}

```

Congrats! You have successfully configured your angular app.