# 0 settings.json

{

*"workbench.colorTheme"*: "Monokai Night",

*"workbench.iconTheme"*: "material-icon-theme",

*"files.autoSave"*: "afterDelay",

*"editor.tabSize"*: 2,

*"prettier.printWidth"*: 100,

*"prettier.tabWidth"*: 2,

*"prettier.useTabs"*: false,

*"prettier.singleQuote"*: true,

*"prettier.jsxSingleQuote"*: true,

*"prettier.trailingComma"*: "none",

*"prettier.bracesSpacing"*: true,

*"prettier.bracketSpacing"*: true,

*"prettier.breakProperty"*: true,

*"prettier.arrowParens"*: true,

*"prettier.semi"*: false,

*"prettier.spaceBeforeFunctionParen"*: true,

*"prettier.alignObjectProperties"*: false,

*"[typescript]"*: {

*"editor.formatOnSave"*: true,

*"editor.defaultFormatter"*: "esbenp.prettier-vscode"

    }

}

# 1 Instalaciones

Npm i bootstrap

npm i @fortawesome/fontawesome-free

npm i --save-dev json-server

npm i --save-dev jsonwebtoken

**angular.json**

*"styles"*: [

"src/styles.css",

"node\_modules/@fortawesome/fontawesome-free/css/all.min.css",

"node\_modules/bootstrap/dist/css/bootstrap.min.css"

],

# 2 Preparando el servicio web RESTful

**Package.json**

*"scripts"*: {

*"ng"*: "ng",

*"start"*: "ng serve",

*"build"*: "ng build",

*"watch"*: "ng build --watch --configuration development",

*"test"*: "ng test",

*"json"*: "json-server restData.js -p 3500"

  },

**restData.js**

*module*.*exports* = *function* (){

*var* data = {

    products:[

      {id:1,name:'kayak',category:'watersports',price:275,details:{supplier:'acme',keywords:['boat','small']}},

      {id:2,name:'lifejacket',category:'watersports',price:48.95,details:{supplier:'smoot co',keywords:['safety']}},

      {id:3,name:'soccer ball',category:'soccer',price:19.50},

      {id:4,name:'corner flags',category:'soccer',price:34.95},

      {id:5,name:'stadium',category:'soccer',price:79500},

      {id:6,name:'thinking cap',category:'chess',price:16},

      {id:7,name:'unsteady chair',category:'chess',price:29.95},

      {id:8,name:'human chess board',category:'chess',price:75},

      {id:9,name:'bling bling king',category:'chess',price:1200}

    ]

  }

  return data;

}

**Para ejecutar este REST 🡪 npm run json**

**http://localhost:3500/products**

[**http://localhost:3500/products/1**](http://localhost:3500/products/1)

# 3 el modelo de datos

* 1 o más clases que describen la data en el modelo
* 1 data source, que carga y graba la data en un servidor
* 1 repository, que permite manipular la data del modelo

Model/producto.model.ts 🡪 Product

Model/datasource.model.ts 🡪 SimpleDataSource

Model/repository.model.ts 🡪 Model

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