Report

Live demo
http://testsportnews.co.nf/

Source code
https://github.com/vtsitlak/sportnews

Technologies used:
HTML5, Less, Bootstrap, JavaScript, AngularJS, jQuery, npm, bower, gulp

Installation:
npm install

gulp

Development:
All source files, JavaScript, AngularJS, images, HTML5 are on src folder. After installation a public folder will created containing all the ready files for the project. Npm installs gulp and several gulp plugins that helping with the development. Bower installs libraries and packages for the project. When running gulp, several tasks are running and extracts the final project on Public folder.

Gulp tasks
- Bower: installs all bower items from bower json file to bower_components folder
- Fonts: move fonts to public folder
- Html: minify and moves all html files to public folder
- Json: task minify and moves json file to public folder
- Scripts: concatenate, minify and moves JS files to public folder
- Less: compiles to css, concatenate and minify less files
- Css: task concatenate the previous less compiled file with the rest css files from several packages and libraries, minify them and moves the final result to public folder as main.min.css
- Img: optimizes the image files and moves them to the public folder
- Watch: task watch for changes on files and updates the files, is useful while in production, you can comment out this task so that gulp task stops run.

Bower components
- jQuery: The library for jQuery
- Angular: The library for AngularJS (1.5.8)
- Bootstrap: The library for Bootstrap
- Font-awesome: Font awesome package
- Angular-ui-router: he de-facto solution to flexible routing with nested views in AngularJS
- Angular touch: An angular module to add directives for touch devices
- angular-sanitize: AngularJS module for sanitizing HTML

Project structure

- Root: On root there the bowe json file with the libraries and packages, the package json file with the plugins for the gulp tasks, the gulpfile.js that create the gulp tasks and the src folder where all the files for the development are.
- SRC folder:
  - HTML folder: there is index.html file
    - parts sub folder: the templates for the rest of the pages and angular directives
  - Less folder: we use the main.less file to import all less files
  - Fonts folder: the fonts
  - JS folder: A subfolder for AngularJS scripts.
    - Angular folder: there is the app.js for the module and the routes and the following subfolders for the controllers services and directives
      - Controllers
      - services
      - directives

Main projects functionalities

- Design: A fully responsive mobile first web site
- Site optimization: All html, JavaScript, css, images and json files are minified and optimized using the gulp tasks
- articleItem: A directive for an article item template.
- The articles are loaded order by date, using the angular orderBy filter
- Dynamic search on the articles by using keywords
- Passing parameters to a route state