Report

## My events

**A speaker list** in a simple AngularJS app that consumes the **REST API** endpoint with a **caching and synchronisation mechanism** to AngularJS app to reduce load on the mobile data connection and the server, and also on the data display

## Live demo

## <http://testmyevents.co.nf/>

## Source code

<https://github.com/vtsitlak/bestgames>

## 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
* Htaccess: moves .htaccess file to public folder
* Html: minify and moves all html files 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
* ngInfiniteScroll: a directive that you can use to implement infinite scrolling in your [AngularJS](http://angularjs.org) applications
* ngstorage: An AngularJS module that makes Web Storage working in the Angular Way. Contains two services: $localStorage and $sessionStorage

## Project structure

* Root: On root there the bower 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

* Best for mobile
* cache with ngStorage and synchronization
* load data from service
* save data on localstorage
* use data from localstorage if exist, else load from service
* interval function every 5 minute
* loads update data and synchronize/updates with the data from localStorage
* caching on displaying data:
* speaker list ordered by last name
* filter ordered speaker list on search input change (if any)
* filter returns the speaker list items that the first name or last name or company

or job title starts like the search input

* ordered-filtered speaker list is loaded to display by sets of 10 items

using the angular infinity scroll plugin