Contact Book



**Introduction**

The realization of this project is to assess your technical skills in programming and web applications using frameworks including [AngularJS](https://angularjs.org/) and [Bootstrap](http://getbootstrap.com/) and in collaboration via [Git.](http://en.wikipedia.org/wiki/Git_(software)) This application is intended to present a contact book from a data stream json using two frameworks mentioned above. Here is a video showing the final result : <http://youtu.be/RsR_ggdZjM0>).

**Functions and technical details**

**List of features**

* A loading bar to be displayed until the contact information are ready to be displayed.
* A message should indicate the number of contact for the book.
* Information should be presented in a table.
* Table must be sorted automatically according to a column by clicking the column title. A second click on the column title can reverse the sort order (ascending / descending).
* Column "Age" should show the age of the person calculated on the current date, and the date of born in YYYY-MM-DD format
* If the birthday of the contact takes place in the next 30 days, the online book of this contact must be highlighted: yellow between 30 and 16 days to come; red within 15 days.
* Telephone numbers must be clickable to allow a call to pass easily.
* mailing addresses must be clickable to allow a search on Google Maps.
* General application interface should be consistent for all the sizes of screens (smartphones ...).

**Details**

Url <https://script.google.com/macros/s/AKfycbzrnl4RsjevblKaA71SbqQxfL2_lYWezClDLDMZyX4yy2VlEOM_/exec>

This webservice requires no parameters and returns a list of contacts in json format with the following structure :

**{**"values": **[**

**{**"name": **{**"v": "Hoover"**}**,

"firstName": **{**"v": "Evan"**}**,

"birthDate": **{**"v": "1978-03-12T05:00:00.000Z"**}**,

"tel": **{**"v": "1-620-468-4606"**}**,

"address": **{**"v": "3530 Fringilla St.**"}}**

... ,

**{**"name": **{**"v": "Miranda"**}**,

"firstName": **{**"v": "Malcolm"**}**,

"birthDate": **{**"v": "1978-03-12T05:00:00.000Z"**}**,

"tel": **{**"v": "1-988-118-2724"**}**,

"address": **{**"v": "PO Box 281, 794 Ac, St.**"}**

**}**

**]}**

The contactbook project is already organized according to the following structure:

* **app.js:** should contain the main logic (controller and model) of the application
* **bootstrap.css.** Import CSS bootstrap
* **components.js.** should containtemplates:
* **filters.js** should contain the logic of filters for processing information to display
* **index.html.** entry point of the application
* **list.html.** template of the table showing Contactsframeworks..
* **Loader.html:** template loading bar

**Criteria evaluations**

All the following aspects will be considered:

* Clean Code: comment - documentation - standards compliance
* Use of AngularJS & Bootstrap. This 2 Framework provide all the elements to design the application as described.
* Respect architecture files and code organization
* Graphic aspect of the application must be faithful to the one shown in the video.
* Using Git to deliver the application source.