# GAC Code Test: QUALITY SERVICE - USER MANAGEMENT

**BRIEFING**

UI design test - Scenario: User Management

We have Quality system with about 200 users. The users can have the following roles:

* Administrator
* Lead investigator
* Regional Manager for one or more regions.
* Company Manager for one or more companies.
* Quality Manager for one or more companies and for one or more offices for the selected companies.
* Security Manager for one or more companies and for one or more offices for the selected companies.

Assignment:

1. We what you to design the UX and UI for the User Management module where an Administrator can update the user roles assigned to a user.
2. Build a working UI prototype in HTML5 using your preferred tools and frameworks. The quality of the code should be production ready. No backend or session handling needed.
3. Write a short description of your work; the steps involved, motivation of design choices and if you had to make any assumptions for missing requirements, tools and frameworks used etc.
4. Share your result via Dropbox and send an email to johannes.bichel@gac.com. (We have internal IT policy that limit the file type sent from outside email.)

**DESCRIPTION**

Small Website UI for user's roles management. The technologies used are JQuery, JQuery mobile, JavaScript, PHP, HTML5 and CSS.

**TREE**

- json

|- test\_roles.json -> file which contains all the setted roles.

|- test\_single\_user.json -> file which contains all the users registered in the system.

|- test\_users.json -> file which contains all the users registered in the system.

- index.html -> frontpage

- useredit.html -> change role(s) panel form.

- userlist.html -> popup form to select the action.

- logic.js -> javascript file with all the functionalities.

- view.js -> javascript file with all the handlers.

- README.md -> info file.

- test.php -> php file to show message popup.

**STEPS**

1. Small and previous analysis.
2. Write all the HTML files starting with the index, panel and popup.
3. As soon as I got that the Web UI required contains management functionalities, I though it will be a good idea write separate JavaScript files. One of them containing the main functionalities (logic) and the second one containing all handlers for button and popup action.
4. Write the PHP file to show popup message in case of change role success. This PHP file is used with an Ajax call.
5. Write the README file.

**MOTIVATION**

Every challenge brings you the opportunity to improve or learn new things. When it arrives to me the opportunity to develop this test as a part of a GAC interview, I didn't doubt about it and I putted all my efforts to complete the code test.

I chose to develop this code test with technologies as HTML5, JavaScript, JQuery, PHP and CSS because I know them very well. I've been using these technologies for several years as a part of my professional career.

I hope this test brings me the possibility to go forward in the next step of GAC interview.

**ASSUMPTIONS**

- To run and see the Web UI test properly you need an Apache server. In case you have one, just need to place this test in the 'htdocs' folder. Apache serve could be downloaded from the below links:

\* Windows - https://www.apachefriends.org/download.html

\* MAC - https://www.mamp.info/en/downloads/

\* Linux - http://www.lamphowto.com/

- Once the Apache server is property installed and running, copy the folder test to 'htdocs'.

- Open a browser as Firefox.

- Type "http://localhost/usermanagement/".

- NOTE: This Web UI is using JSON files to show just information, not to save. It means, in case you want to save the data when you

change the role user you'll need to use data base functionalities.