

Assessment back-end (Senior)

As a insurance company we've been asked to develop an application that manage some information about our insurance policies and company clients.

To do that, we have two services that provide us with all the data needed:

- * The list of company clients can be found at:

<http://www.mocky.io/v2/5808862710000087232b75ac>

- * The list of company policies can be found at:

<http://www.mocky.io/v2/580891a4100000e8242b75c5>

With that information, we need to create a Web API that exposes services

with some constraints:

- * Get user data filtered by user id -> Can be accessed by users with role

"users" and "admin"

- * Get user data filtered by user name -> Can be accessed by users with role

"users" and "admin"

- * Get the list of policies linked to a user name -> Can be accessed by users with role "admin"

- * Get the user linked to a policy number -> Can be accessed by users with

role "admin"

- * The list of company clients and company policies should be persisted and updated every hour.(You can use Quartz Enterprise Scheduler).

We have the following constraints:

- * REST Web API should be developed using MVC WebAPI

- * Think about licenses of 3d party libraries (if needed)

- * Authentication and authorization. Take the user role from the web service that returns the list of company clients

As our stakeholders are very fussy, here you have some tips:

- * Usage of last technologies

- * Solution properly structured

- * Usage of patterns

- * Add everything you think it's needed to ensure product's quality.