Coding test

Dear Candidate,

Since on-site interviews are one of the worst places to test coding skills of a candidate, we created this little challenge for you to show off a little. Please create a native iOS app with the following characteristics.

# Here is the story:

* As a user, I want to be able to select a car, choosing a unique combination of manufacturer and model, and see a summary at the end. Each list will be provided through a web service.

# Technical remarks:

* Implementation in Swift.
* It should be implemented as two screens (manufacturer, model) with table views. When user selects row it goes to the next screen. When user selects row on the last screen please show simple alert message with values selected on the previous screens (e.g.

„<manufacturer>, <model>“).

* Please use custom cells. Even rows should have a different background color than odd rows.
* As the web services can return a really long list of manufacturers and models, we would like to see some pagination in the list. Page size: 15 elements.
* Use of third-party libraries is allowed, but don’t abuse it. With great power comes great responsibility.

# API usage

The base URL is [http://api-aws-eu-qa-1.auto1-test.com.](http://api-aws-eu-qa-1.auto1-test.com/) In order to use the web services, you must use the following key as a parameter in any call: *wa\_key=coding-puzzle-client-449cc9d*. All endpoints are accessible using **GET**.

The web services are the following:

1. v1/car-types/manufacturer Parameters:
   * page
   * pageSize Example:
   * [http://api-aws-eu-qa-1.auto1-test.com/v1/car-types/manufacturer?page=0&pageS](http://api-aws-eu-qa-1.auto1-test.com/v1/car-types/manufacturer?page=0&amp;pageS) ize=10&wa\_key=coding-puzzle-client-449cc9d

Response example:

* + {

"page": 0,

"pageSize": 15,

"totalPageCount": 4,

"wkda": {

"107": "Bentley"}}

1. v1/car-types/main-types Parameters:
   * manufacturer
   * page
   * pageSize Example:
   * <http://api-aws-eu-qa-1.auto1-test.com/v1/car-types/main-types?manufacturer=10> 7&page=0&pageSize=10&wa\_key=coding-puzzle-client-449cc9d