



## Frontend Developer Evaluation Test

This evaluation test is divided into two exercises. The first one focused mainly on the visual work of a Frontend Engineer regarding HTML, CSS, assets handling and layout best practices. The second one is focused on JavaScript coding and DOM manipulation.

### EXERCISE #1

#### TASK

Along with the following instructions you can find attached a Layered PNG that you can open with Adobe Fireworks as well as the necessary assets. Considering this resources, complete the following points:

- Develop the provided design as a static webpage and make it crossbrowser compatible (from IE8)
- Center page in the browser
- Tabs ("poker, casino, sports, live"), "join now" and channel banners has rollover state (see attached assets)

#### REQUIREMENTS

- Use HTML5 to develop the webpage
- Use SASS (or LESS) for CSS code

#### EXTRAS

- Implement any improvements you could consider regarding crossbrowser / crossdevice support and performance

#### NOTE

- You can download a Fireworks trial version from here:  
<http://www.adobe.com/cfusion/tdrc/index.cfm?product=fireworks>  
<http://prodesigntools.com/adobe-cs6-direct-download-links.html>

- If you have problems opening the file in MAC please go to **Disk Utility>Preferences** and uncheck the box that says "Verify Checksums"

## EXERCISE #2

### TASK

Recreate by HTML/CSS/JS-JQUERY the F1 classification in this flash object:

Listado		Compáralos						
Ordenados por:		clasificación	nombre	nacionalidad				
1º	PUNTOS 157		Alemania <b>Sebastian Vettel</b> Red Bull(250)	ÚLTIMO GP 1º	VICTORIAS 4	POLES 3	MEJOR PUESTO 1º(x4)	
2º	PUNTOS 123		España <b>Fernando Alonso</b> Ferrari(180)	ÚLTIMO GP 4º	VICTORIAS 2	POLES 0	MEJOR PUESTO 1º(x2)	
3º	PUNTOS 116		Finlandia <b>Kimi Räikkönen</b> Lotus Renault(157)	ÚLTIMO GP 2º	VICTORIAS 1	POLES 0	MEJOR PUESTO 1º	
4º	PUNTOS		Reino Unido <b>Lewis Hamilton</b>	ÚLTIMO GP 5º	VICTORIAS 0	POLES 3	MEJOR PUESTO 3º(y3)	

<http://www.marca.com/deporte/motor/formula1/2011/clasificacion.html>

*(Only the first section under the tab named 'listado', with its three subtabs 'clasificación', 'nombre' and 'nacionalidad'. Charts shown when a driver is clicked are not necessary)*

### REQUIREMENTS

- Represent all data from drivers in a single JSON file (at least the first five drivers)
- Create a web page and load this JSON via AJAX
- Use the loaded JSON to layout the classification table in HTML using jQuery. Create a single HTML block for each driver and reuse it in every tab (don't create new HTML blocks when switching between tabs)
- Write the JavaScript code necessary to switch between tabs and reorder the drivers
- Obtain the necessary assets (driver images and flags) from the original page, inspecting the network requests with Chrome Developer Tools or Firebug
- Apply basic CSS styles to the page, including rollover, pressed and active effects. Use SASS (or LESS) to generate the CSS stylesheet

### EXTRAS

- Add some effect to transition between tabs
- Add drag & drop functionality to reorder drivers in the list. Switching to a new tab must restore original order for the drivers on that tab
- Implement any improvements you could consider regarding crossbrowser / crossdevice support and performance

## GENERAL TIPS

- Try to write self-describing code
- Make the code the most adaptable, configurable and reusable possible
- Use modular, object oriented JavaScript. Try to separate between logic and presentation
- Please, refrain from asking friends / cooperating with other people while solving this exercise

## WHAT WE LOOK AT

We are interested in:

- How you structure your code to be easily scalable, compliant with best practices and easy to modify/understand by others
- Efficiency of the code and approaches you provide for the exercises

**GOOD LUCK!!!**