Front End: Technical Test

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Welcome to your Electronic Arts Technical Test.

What we are looking for as much as you can complete.
If you can't do all of the design, please at least do (and do it well):

- responsive grid (see the css code example below within the range)
- content container styling
- logo
- navigation tabs

If you cannot finish the test, please explain why as we are reasonable.

Elements

We are looking for a clean, lean, modern, cross browser solution.

1. HTML
2. CSS
3. JS
4. Responsive

HTML

What we are looking for is HTML that satisfies the following:

- HTML5
- Valid
- Lean
- Semantic
- SEO friendly

CSS

We would ideally like you to use SASS and COMPASS for this test.
Please include the .scss files as well in the test package if you go down this route.

We would like to see a demonstration of:

- nesting
- mixins
- placeholders
- spriting
- cross browser prefixes built in

If you choose not to use SASS/COMPASS we will be looking for lean, cascading CSS.
We expect you to leverage the powers of CSS3 where possible to avoid image usage.
We will expect the content area of your page to scale width wise with changing screen sizes as below(doesn't have to be the exact dimensions below just show that the layout is somewhat fluid)...

```
#container-wrapper {
 width: 86%;
 max-width: 1000px;
 min-width: 850px;
}
```

JS

We would like to see JS that is:

- clean
- modular
- OO
- self documenting

For this test you will be using the Angular framework.

Your task is to write a responsive JavaScript application that allows a logged in user to search Github.com for other users' public repositories.

It is a pretty open ended exercise, so feel free to use any other javascript libraries you want. However, you **must** use Angular js for this exercise.

Requirements

- Show a login box initially for a GitHub user to login with their username/password (basic authentication is fine)
- Once the user logs in successfully, they are shown a username search box with a search button. This will search GitHub for any username.
- Once the search is clicked, the results should show a list of that user's public repositories with each item in an "name/number of watchers" format
- When a result is clicked, display an alert with the repo's id and the created_at time
- Please note that subsequent searches for the same previously searched username should not trigger further requests (but the client should still see the previous results)
- Below is the order of the js files for your index.html
- For more information about the github.js api, please refer to https://github.com/michael/github/tree/v0.7.x

```
<script type="text/javascript" src="underscore-min.js"></script>
 <script type="text/javascript" src="base64.js"></script>
 <script type="text/javascript" src="angular.min.js"></script>
 <script type="text/javascript" src="github.js"></script>
```

Responsive

We would like to see examples of how the site will scale.There is no need to go to the media query level - just generally shrinking the browser by a couple of 100px.

- scalable elements that can handle localised text of different lengths
- combinations of sprites and css3 solutions to make robust elements that retain design integrity but don't break

The Test

What's included?

1. PSD
2. Folder of images (use as many as you see fit)
3. Link to the JS part of the test

Design

PSD

Please take the PSD that is attached as your design.

Images

There is also a folder of images available to you to speed the process.
Please use the images in the sprite folder to create your sprite (preferably via SASS/COMPASS).

Deliverable

Provide a zip file of your HTML, CSS, JS, SASS files (if used).

Specifics

1. We expect your project to work Firefox, Chrome, IE10.
2. The navigation tabs should be a max of 33% but just be as wide as the content within them
3. The content area scales with the range mentioned above in the CSS code block