

1. Bootstrap / LESS

1.1 Q: What are your thoughts when considering a *frontend framework* like Bootstrap for a project?

1.2 Implement the form as shown in the image, applying responsive layout down to mobile phone layout using bootstrap 3.3

» <http://1.bp.blogspot.com/-Cx55fhs5Xp0/UDmd5FyvJ8I/AAAAAAAAAJE/hlqVHiUxQRU/s1600/fluid-person-form.png>

1.3 Q: When does it (normally) make sense to use CSS preprocessor like LESS/SASS and what are the biggest benefits you see?

1.4 Setup a simple Grunt file to compile custom LESS stylesheet(s) to CSS

1.5 Include the custom CSS file into the page and extend(override) parts of the styling of the bootstrap form

2. jQuery / JS

2.0 Q: How do you structure / encapsulate your JS code if your **NOT** building on top of a JS lib/framework like AngularJS, ReactJS etc.?

2.1 Q: When does it make sense to use a jQuery plugin script vs. implementing a functionality yourself?

2.2 Add a form field validation(=not empty check) with jQuery for certain form fields(first/last name, gender), use jQuery-plugins as you please

2.3 Show an error message (if validation fails) using the jQuery Colorbox (<http://www.jacklmoore.com/colorbox/>) plugin and visually indicate which fields are invalid

2.4 Q: What are some (personal) principles you follow when working with JS DOM event listeners to avoid bad page performance, 'memory leaks' etc.?

3. Ajax / HTTP

3.1 How would you submit the form via AJAX using jQuery? (just JS code example, no need mock any submit endpoint)

3.2 Q: When does it make sense to submit a form as a non-AJAX (regular) request?

3.3 Q: What relevance does it have for the frontend JS-code that the server endpoints respond with different HTTP codes? Which HTTP codes do you consider most important?