

Assignment 2

For our second assignment, we'll keep working with movement and forms, but will dig a bit deeper into user friendly validation as well as creating dynamic HTML-mockups, i.e. adding ajax-calls to our toolbox.

First, some basic rules:

- It does not have to look exactly like the provided examples – the focus is on the movement and the functionality.
- Only ONE external CSS-file is to be used, and no inline-CSS is allowed
- All HTML needs to be well *indented*.
- The page this time will have a fixed width – about 450-500 px.
- Start with semantic elements (`<p>`, `<h1>`, `<main>` and so on) for when it's appropriate - `<div>`, `` only when there's no fitting semantic element to use.

And some tips and tricks...

- Go through the examples from our lectures and try to understand the code – don't just copy-paste because that will get you into trouble.
- Start with the file structure attached with the assignment in the folder "html"
- Start with the HTML-code. Which semantic elements should be used for each part? Remember that you only need to get the design to look like this in one browser. I'd recommend using Chrome or Firefox.

And now – the assignment

You will create a swift, easy-to-use, on-page login for Your Site Inc.

The steps of the login process are as follows.

1	2	3	4
<h3>Welcome to Your Site Inc.</h3> <p>Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.</p> <hr/> <div>Log in</div>	<h3>Welcome to Your Site Inc.</h3> <p>Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.</p> <hr/> <div>Username</div> <div></div> <div>Password</div> <div></div> <div>Login</div>	<h3>Welcome to Your Site Inc.</h3> <p>Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.</p> <hr/> <div>Username</div> <div>fredrik</div> <div>Password</div> <div>.....</div> <div>Login</div> <div>Didn't work - try again!</div>	<h3>Welcome to Your Site Inc.</h3> <p>Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.</p> <hr/> <div>You're logged in!</div> <div>Now go ahead - you can access all the cool content we've got going!</div> <div>Go ahead!</div>

You should also look at the screen recordings included with this assignment.

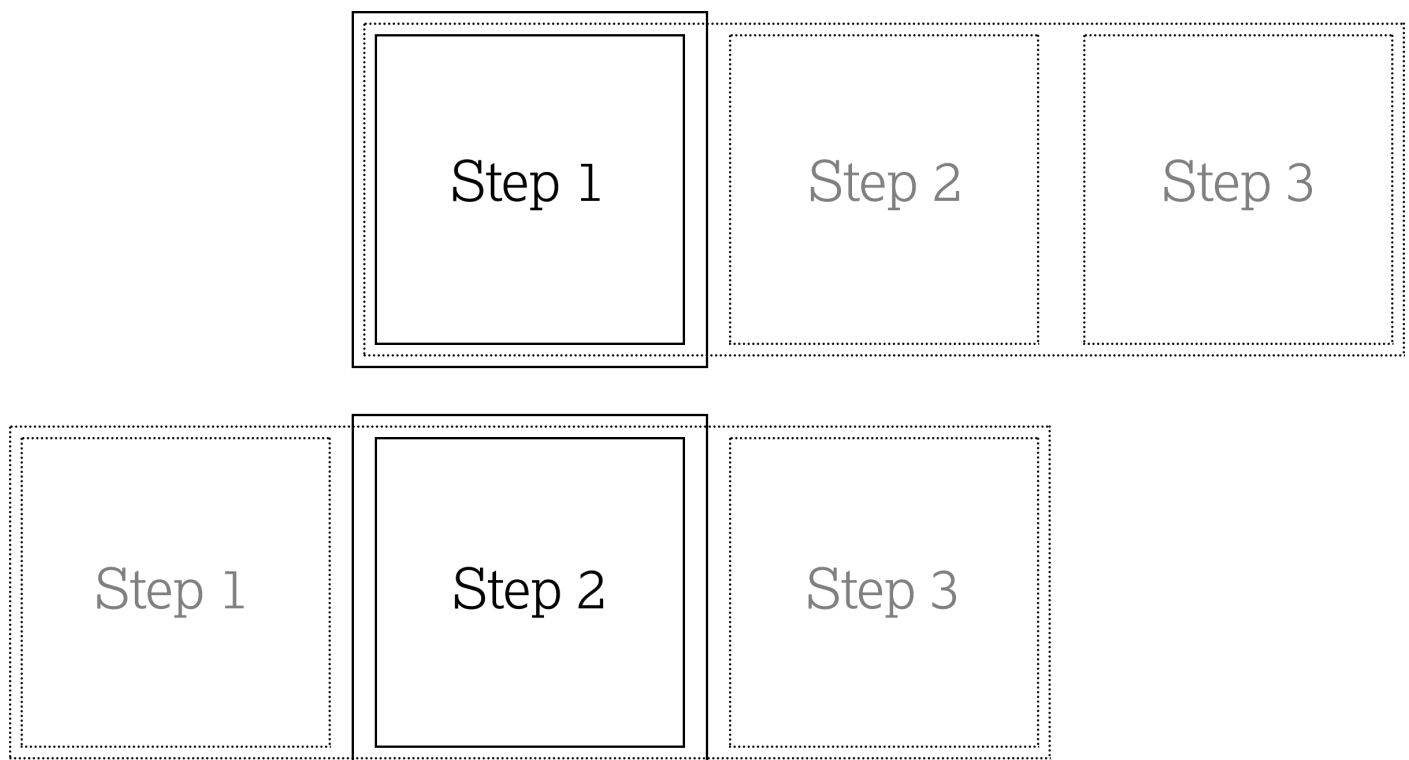
Grades

Grade 3

- Movement between steps consists of a right-to-left transition, showing the user that they are moving forward.
- In the second step, when the user clicks on “Login”, an Ajax-call will be used to request users.json, a little file containing userinfo and credentials for all those with a login – if username and password matches one user, move that user to the last step. If not, show the error message as shown in step 3 above.
- Validation for the two fields in the login-form can be HTML5-default error validation.

Getting the movement between steps

To get the functionality right for the different steps, set up containers like this:



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- The outer box is the one with a solid black line above, around step 1. It does not show anything that goes outside it's edges.
- The container with the dotted border, around all steps, should be three times as wide as the outer box and contain the containers for the three steps.
- As the user moves between steps, "simply" move that container further to the left, making each step come into view.
- Have a look at **grade3.mov** included in the assignment to get a better understanding of what's required.

Grade 4

All criteria for grade 3, plus:

- Turn of HTML5 validation and add your own javascript-based validation to make sure the users haven't forgotten to fill in either of the fields.
- The validation by default executes when the user clicks on "Log in". BUT – validation should also check a field when the user leaves the field when it has an error message. I.e. – when the user made a mistake the first time, it makes sense to show right away as s/he leaves the field that the error was corrected.
 - A little help? The javascript event for when a user leaves an input field is "blur".
- The validation should use the color red for both the error message and for the field itself as well as an error-icon to highlight an error.
- Have a look at **grade4.mov** included in the assignment to get a better understanding of what's required.

Welcome to Your Site Inc.

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.

Username

Please enter your username

Password

You need to give a password

Login

Grade 5

All the criteria for grades 3 and 4, plus:

- We're adding a new step – parallel to step 2 above (see below).
- This step will allow a user to receive a forgotten password by giving his or her username.
- Use Ajax to request the users-json file and see if the use exist. If so, show a message that the users password has been emailed to them (and no, you don't need to send that email ☺)
- Have a look at **grade4.mov** included in the assignment to get a better understanding of what's required.
- The movement between the earlier steps shows forward motion – right-to-left. But this step is not part of the main process, it's a step parallel to the second step and the movement should show this as shown below:

