

IMY 220

Assignment 1:

CSS + Bootstrap

Due: Wednesday 19 August @ 13:00

The submission instructions are available on ClickUP. Any deviation from these instructions will cause a 10% deduction from your mark.

Instructions

- Use CSS and Bootstrap to make webpage content responsive.
- The screenshots provided will show you what the results must look like (including for different screen sizes).
- Download *index.html* from ClickUP, which contains the HTML for two forms. You are not allowed to remove any code from this file; however, you will have to add extra HTML.
- Include the newest version of Bootstrap using the CDN version. You will only use the CSS for this practical (and you don't need to include both CDN and local as a fallback). You will also need to include Font Awesome for this assignment, for which you must also include the CDN version.
- You will also need to write your own CSS for this assignment, which you must do in a separate file called *style.css*.

Forms

You must use the forms from *index.html* to create a well-aligned, responsive login- and registration-form. This has to be done as follows:

- Nest each form (the Login and Registration form separately) inside its own Bootstrap *card*. Give each card an appropriate heading.
- (From this point onward in the specification, you may assume that, when referring to the form, the card is to be included.)
- Create a Bootstrap row inside the forms-section (<section id="forms">) that contains two columns for the Login and Registration form respectively (i.e. for the cards that contain them). The columns need to fill half the row each on screens $\geq 576\text{px}$ and fill the entire row each on screens $< 576\text{px}$.
- When the forms are stacked underneath one another, there should be a margin between them. However, when they are displayed next to each other, there should be no margin above or below them. You must use Bootstrap's spacing classes to accomplish this.
- Inside each form, each form-element, i.e. input box, should fill half the form on screens $\geq 992\text{px}$ and fill the width of the form on screens $< 992\text{px}$. You should also use Bootstrap rows for this, which will require you to add extra HTML.
- Add the necessary Bootstrap classes to make use of Bootstrap's form styling for input elements and add the necessary class to style the button dark, as indicated below.
- Include two fonts using Google Fonts: one for the card-heading and one for the card-body. Choose any two fonts that are appropriate and easily readable and set the card-heading and

card-body to use the two fonts. See the following webpage on how to include Google Fonts:

https://developers.google.com/fonts/docs/getting_started

- Next to the buttons, include a right-angle (angle-right) icon using Font Awesome. There should be a small distance between the text and the icon.
- If the screen is $\geq 992\text{px}$, hovering over the button should cause the icon to move further away from the button (to the right) and to rotate so that the angle is facing down (see screenshots below). This should change over a period of 0.5 seconds. If the screen is $< 992\text{px}$, hovering over the button should not do anything. The rotation must be done using CSS3 transforms:

<https://developer.mozilla.org/en-US/docs/Web/CSS/transform-function>

$\geq 992\text{px}$

The mockup shows two forms side-by-side. The 'Login' form on the left has a title bar, followed by 'Email Address:' and 'Password:' labels, each with a text input field. Below these is a 'Login' button with a right-angle icon. The 'Register' form on the right has a title bar, followed by 'First Name:' and 'Last Name:' labels with text input fields. Below these are 'Email Address:' and 'Date of Birth:' labels with text input fields. Further down are 'Create Password:' and 'Confirm Password:' labels with text input fields. At the bottom is a 'Register' button with a right-angle icon.

$< 992\text{px}$ and $\geq 576\text{px}$

The mockup shows two forms side-by-side. The 'Login' form on the left has a title bar, followed by 'Email Address:' and 'Password:' labels, each with a text input field. Below these is a 'Login' button with a right-angle icon. The 'Register' form on the right has a title bar, followed by 'First Name:' and 'Last Name:' labels with text input fields. Below these are 'Email Address:' and 'Date of Birth:' labels with text input fields. Further down are 'Create Password:' and 'Confirm Password:' labels with text input fields. At the bottom is a 'Register' button with a right-angle icon.

< 576px

Login

Email Address:

Password:

Login >

Register

First Name:

Last Name:

Email Address:

Date of Birth:

Create Password:

Confirm Password:

Register >

Normal state

Login >

When hovering over button

Login ▾

Additional Information

- Refer to the slides as well as the Bootstrap website (<http://getbootstrap.com/>) for help

Submit only the following file(s) according to the submission instructions.

- *index.html*
- *style.css*