Computer Science Degree

Web Engineering - 3rd Course

Time: 2h

Name:...

You will receive a zip file with all the needed content. When you are finished you will need to upload the HTML, CSS & JS files (If you add comments in the files explaining what you are trying to achieve you MAY get better scores).

Exercise 1 - HTML (1pt)

Upper part

create an HTML that contains 1 title and the navigation of the page. Add navigation options (1 for each license). When clicking on the license, it should go to the clicked one (internal link)

Content part

The content must have the 6 licenses in it, and each license must have:

1. The title.
2. The image.
3. And the description of the license.

Lower part

The lower part must have 2 buttons and the teacher's name & date. Be aware of the **Ñ** character so it is correctly seen!

Exercise 2 - CSS (4pt)

Upper part

- Border (with rounded border)
- Navigation occupies the entire width of the parent.
  - Each navigation element 1/6th part of the navigation.
  - Blue background
  - Rounded shape.
  - When passing the mouse, they should move 5px up without moving anything else.

Content part

There are 6 elements

- The title must have a black background and the text must be white.
- The description must have a space between the border of the parent and the text.
- The image must appear on the right of the text.
- If the mouse is passes over an element, it has to show a shadow (e.j.: 8px).
- While the mouse is clicking/pressing the element, the shadow must be smaller (e.j.:8px).

Attribution

This license lets others remix, tweak, and build upon your work even for commercial purposes, as long as they credit you and license their new creations under the identical terms. This license is often compared to "copyleft" free and open source software licenses. All new works based on yours will carry the same license, so any derivatives will also allow commercial use. This is the license used by Wikipedia, and is recommended for materials that would benefit from incorporating content from Wikipedia and similarly licensed projects.

Attribution-Share Alike

This license lets others remix, tweak, and build upon your work even for commercial purposes, as long as they credit you and license their new creations under the identical terms. This license is often compared to "copyleft" free and open source software licenses. All new works based on yours will carry the same license, so any derivatives will also allow commercial use. This is the license used by Wikipedia, and is recommended for materials that would benefit from incorporating content from Wikipedia and similarly licensed projects.

Attribution-No Derivatives

This license allows for redistribution, commercial and non-commercial, as long as it is passed along unchanged and in whole, with credit to you.

Attribution-Non Commercial

This license lets others remix, tweak, and build upon your work non-commercially, and although their new works must also acknowledge you and be non-commercial, they don't have to license their derivative works on the same terms.

Attribution-Non Commercial-Share Alike

This license lets others remix, tweak, and build upon your work non-commercially, as long as they credit you and license their new creations under the identical terms.

Attribution-NonCommercial-NoDerivatives

This license is the most restrictive of our six main licenses, only allowing others to download your works and share them with others as long as they credit you, but they can't change them in any way or use them commercially.

Lower part

The lower part must appear always on the bottom of the screen. Be careful not to overlap the content when the scroll is completely down.

OK

upon your work non-commercially, and although their new works must also acknowledge you and be non-commercial, they don't have to license their derivative works on the same terms.

upon your work non-commercially, as long as they credit you and license their new creations under the identical terms.

restrictive of our six main licenses, only allowing others to download your works and share them with others as long as they credit you, but they can't change them in any way or use them commercially.

Dark Theme | Light Theme | Teacher: **Alain Perez Riaño** 2017-10-05
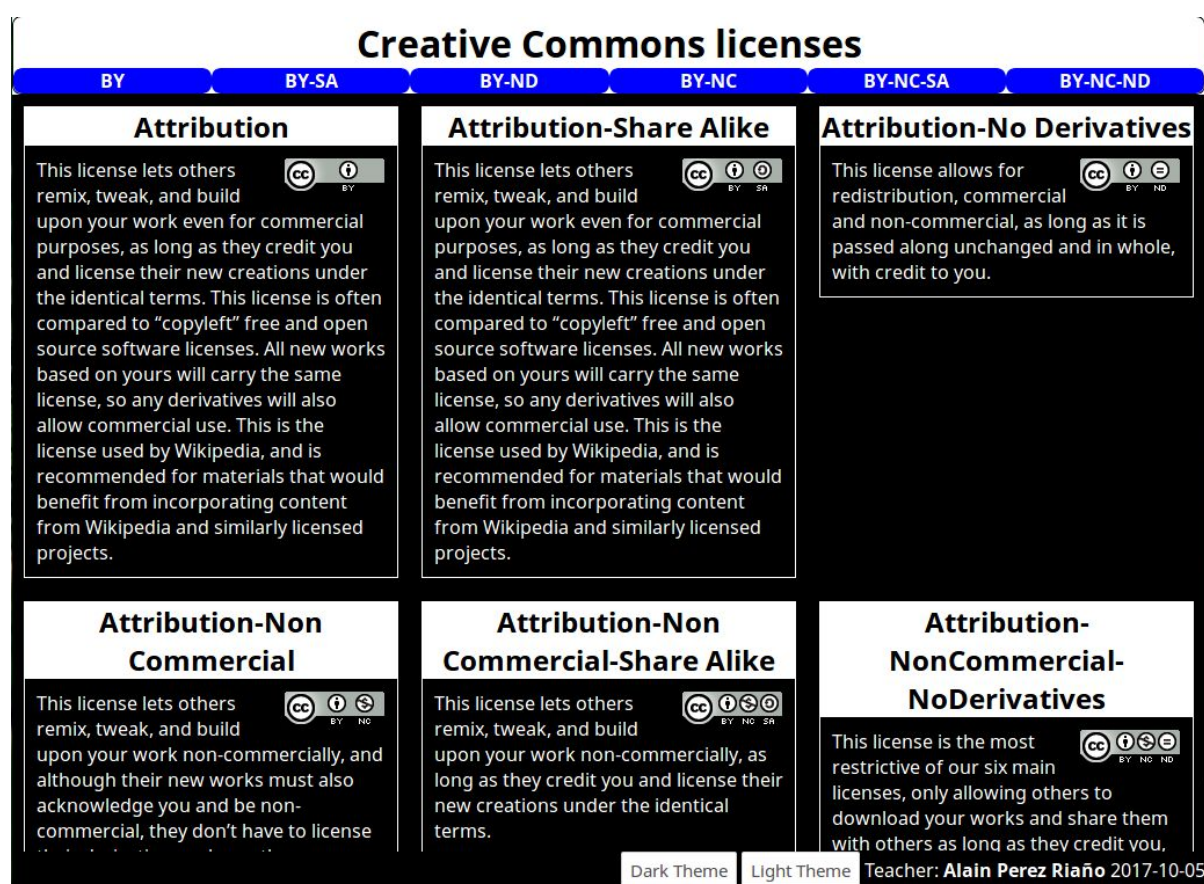
WRONG!

upon your work non-commercially, and although their new works must also acknowledge you and be non-commercial, they don't have to license their derivative works on the same terms.

upon your work non-commercially, as long as they credit you and license their new creations under the identical terms.

This license is the most restrictive of our six main licenses, only allowing others to download your works and share them with others as long as they credit you, but they can't change them in any way or

Dark Theme | Light Theme | Teacher: **Alain Perez Riaño** 2017-10-05

Exercise 3 - JS (3pt)

When you click in any license, it must disappear.

When clicked in the menu item of a license, it must appear again.

Make the buttons of the lower part change the "style" of the content (text, backgrounds & borders). Light theme is the default one, if you click on dark, make everything look like this image:
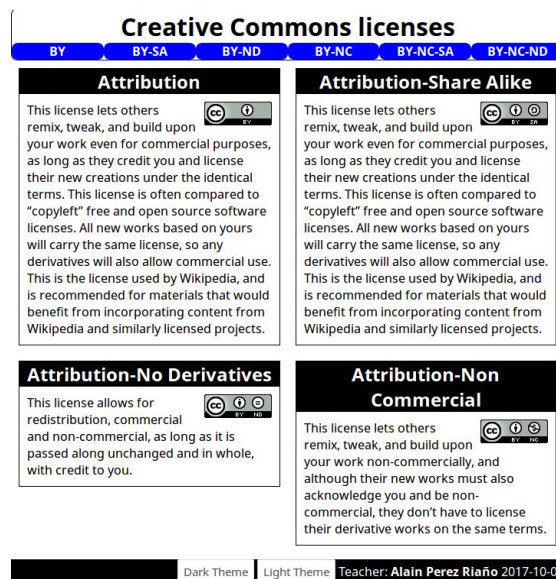

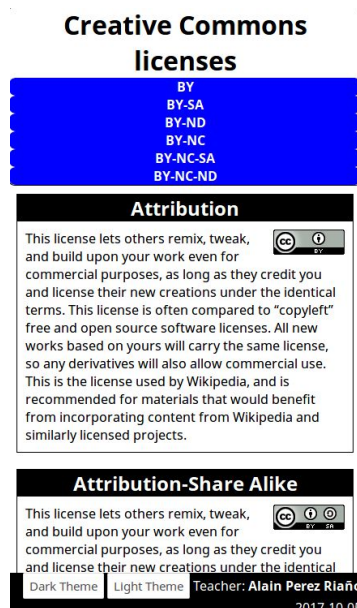When clicked "Light Theme" go to previous style.

In order to do that, I recommend to use the *element.className* attribute instead of changing each element's style one by one using javascript.

Exercise 4 - Media query (3pt)

If the screen is smaller than 750px, Make each license to occupy the half of the screen as in the image:

If the screen is smaller than 500px, make each license and navigation element occupy the entire width as in the image:

HELP:

```
background: bg-color bg-image position/bg-size bg-repeat bg-origin
bg-clip bg-attachment initial|inherit;
```

```
border: border-width border-style border-color|initial|inherit;
```

```
border-radius: 1-4 length|% / 1-4 length|%|initial|inherit;
```

```
box-shadow: none|h-shadow v-shadow blur spread color
|inset|initial|inherit;
```

```
box-sizing: content-box|border-box|initial|inherit;
```

```
clear: none|left|right|both|initial|inherit;
```

```
display: value;
```

```
font: font-style font-variant font-weight font-size/line-height
```

```
font-family|caption|icon|menu|message-box|small-caption
|status-bar|initial|inherit;
```

```
@media not|only mediatype and (media feature) {
     CSS-Code;
}
```

```
min-height: length|initial|inherit;
```

```
min-width: length|initial|inherit;
```

```
opacity: number|initial|inherit;
```

```
position: static|absolute|fixed|relative|sticky|initial|inherit;
```

```
text-align: left|right|center|justify|initial|inherit;
```

```
text-decoration: none | underline | overline | line-through |
initial | inherit;
```

```
transform: none | transform-functions | initial | inherit;
```

```
vertical-align: baseline | length | sub | super | top | text-top |
middle | bottom | text-bottom | initial | inherit;
```

```
visibility: visible|hidden|collapse|initial|inherit;
```

```
white-space: normal|nowrap|pre|pre-line|pre-wrap|initial|inherit;
```