

LAB 6 (WEEK 40)

Fonts

CSS

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Goal of the day

This week we will focus on the different CSS properties learned so far, especially the ones used for working and manipulating text.

You can find some useful readings/resources below as well as in Blackboard.

- https://www.w3schools.com/css/css_padding.asp
- https://www.w3schools.com/css/css_margin.asp
- https://www.w3schools.com/cssref/pr_text_text-transform.asp
- https://www.w3schools.com/cssref/css_colors.asp
- https://www.w3schools.com/cssref/css3_pr_text-shadow.asp
- https://www.w3schools.com/cssref/css3_pr_box-shadow.asp
- https://www.w3schools.com/cssref/pr_text_text-indent.asp
- https://www.w3schools.com/cssref/sel_firstchild.asp
- https://www.w3schools.com/cssref/pr_dim_width.asp
- https://www.w3schools.com/cssref/pr_text_letter-spacing.asp
- https://www.w3schools.com/cssref/pr_text_word-spacing.asp
- https://www.w3schools.com/cssref/pr_dim_line-height.asp
- <https://www.fontsquirrel.com/tools/webfont-generator>
- https://www.w3schools.com/cssref/css3_pr_font-face_rule.asp
- https://www.w3schools.com/cssref/pr_class_display.asp
- <https://css-tricks.com/snippets/css/a-guide-to-flexbox/>
- <https://css-tricks.com/centering-css-complete-guide/>

The structure of the html-template.html is as follows:

BODY

.plant-box #box1

<h2>

<p>

.plant-box #box2

<h2>

<p>

.plant-box #box3

<h2>

<p>

Exercise 0

- Create an `.htaccess` file to enable the DirectoryIndex Protection and upload it in your folk site.

.htaccess

Options -Indexes

Exercise 1

Clone the file “html-template.html” and rename it to “ex1.html”. Then, follow the instructions below.

- Add a 5% top and bottom padding to the whole page and 10% for right and left. Use the shorthand property.
- All the **headings** should have a space of 0.2em between letters.
- `<h1>` should:
 - be uppercase
 - be #222222
 - has a text shadow (h-shadow 5px, v-shadow 5px, blur-radius 5px and colour #363636)
- `<h2>` should be:
 - capitalized
 - italic
- Plant boxes should:
 - has top and bottom padding of 10px and a right and left padding of 10%
 - has a top and bottom margin of 25px and no margin on left and right sides
 - has a box shadow (h-shadow 3px, v-shadow 4px, blur-radius 20px and colour #363636)
 - has a white background colour (#FFFFFF)
- Set the amount of space used for lines to 1.5em. Apply this rule only to paragraph inside plant boxes. Use, also, and indentation of 1em
- The **first** span element inside a paragraph of the plant box should be displayed in bold and italic. Use the proper selector to achieve that.
- The space between letters must be 0.2em and the space between words 0.8em
- All images inside the plant box should occupy 40% of width

PLANTING GUIDE

Magnolia



Magnolia grandiflora, commonly known as the Southern magnolia or bull bay, is a tree of the family Magnoliaceae native to the southeastern United States, from coastal Virginia south to central Florida, and west to eastern Texas and Oklahoma. Reaching 27.5 m (90 ft) in height, it is a large striking evergreen tree with large dark green leaves and large white fragrant flowers. Widely cultivated around the world, over a hundred cultivars have been bred and marketed commercially. The timber is hard and heavy, and has been used commercially to make furniture, pallets, and veneer.

Ranunculus



Exercise 2

Clone the file “ex1.html” and rename it to “ex2.html”. Then, follow the instructions below.

- Use Georgia as a default font. Use the generic serif name as a fallback font.
- Use the font “assets/deathstar.otf” for the headings. Be aware about browser compatibility. To do so, follow these instructions.
 - Go to <https://www.fontsquirrel.com/tools/webfont-generator>

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Webfont Generator

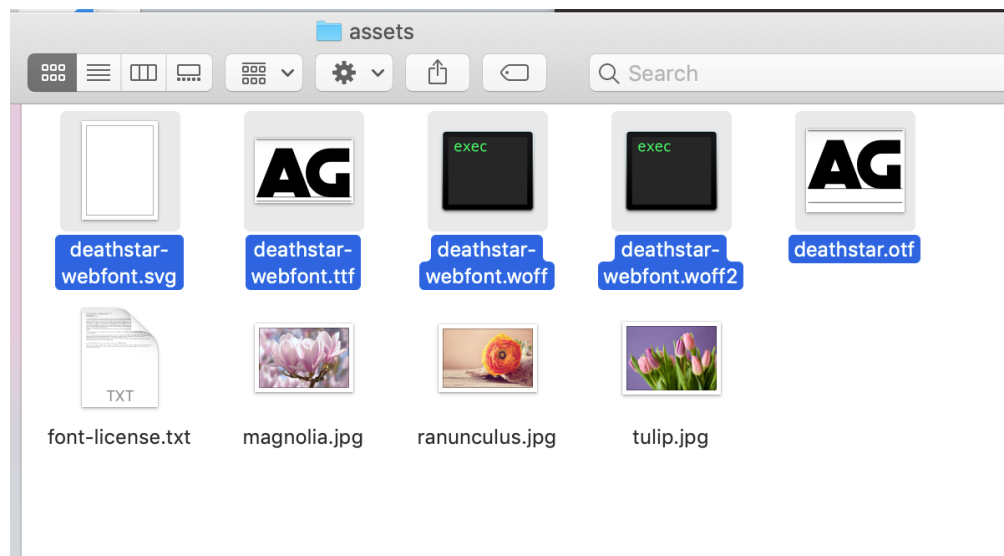
Usage: Click the "Upload Fonts" button, check the agreement and download your fonts. If you need more fine-grain control, choose the **Expert** option.

UPLOAD FONTS ↑

You currently have no fonts uploaded.

<input type="radio"/> BASIC Straight conversion with minimal processing.	<input type="radio"/> OPTIMAL Recommended settings for performance and speed.	<input checked="" type="radio"/> EXPERT... You decide how best to optimize your fonts.
Font Formats: <input checked="" type="checkbox"/> TrueType <input checked="" type="checkbox"/> WOFF <input checked="" type="checkbox"/> WOFF2	<input type="checkbox"/> EOT Lite <input type="checkbox"/> EOT Compressed	<input checked="" type="checkbox"/> SVG
Truetype Hinting: <input checked="" type="radio"/> Font Squirrel	<input type="radio"/> Keep Existing	<input type="radio"/> TTFAutohint

- Upload the font deathstart.otf
- Check the font formats like above
- Convert the font and download the files. Take a look at “stylesheet.css”.
- Copy all the fonts (.svg, .ttf, .woff and .woff2) inside the “assets” folder.



- Use @font-face to import the font and apply the proper rules to use the “deathstar-webfont” with h1 and h2

PLANTING GUIDE

MAGNOLIA



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RANUNCULUS




Exercise 3

Clone the file “ex2.html” and rename it to “ex3.html”. Then, follow the instructions below.

- Box1 must look like the image below (use display and vertical align properties)


MAGNOLIA



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- Box2 must look like the image below (float). NOTICE that we will usually avoid using the float property. Although floating images is fine.

RANUNCULUS



Ranunculus asiaticus (**Persian Buttercup**) is a species of buttercup (Ranunculus) native to the eastern Mediterranean region in southwestern Asia, southeastern Europe (Crete, Karpathos and Rhodes), and northeastern Africa. It is a herbaceous perennial plant growing to 45 cm tall, with simple or branched stems. The basal leaves are three-lobed, with leaves higher on the stems more deeply divided; like the stems, they are downy or hairy. The flowers are 3-5 cm diameter, variably red to pink, yellow, or white, with one to several flowers on each stem.

- (OPTIONAL) Box3 must look like the image below (use flexbox)

TULIP



Tulipa gesneriana L. or "Didier's tulip" is a plant belonging to the family of Liliaceae. This species has uncertain origins, possibly from Asia, and has become naturalised in south-west Europe. Most of the cultivated species, subspecies and cultivars of tulip are derived from *Tulipa gesneriana*. The flower and bulb can cause dermatitis through the allergen, tuliposide A, even though the bulbs may be consumed with little ill-effect. The sweet-scented bisexual flowers appear during April and May. Bulbs are extremely resistant to frost, and can tolerate temperatures well below freezing - a period of low temperature is necessary to induce proper growth and flowering, triggered by an increase in sensitivity to the phytohormone auxin. The bulbs may be dried and pulverised and added to cereals or flour.