

LAB 7 (WEEK 40)

Fonts

Positioning

Layouts

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Exercise 1

The goal of this exercise is to work with different CSS properties related to web fonts.

You are not allowed to modify the structure of the html templated provided with the sources of this lab.

Exercise 1.1

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

- Add a 5% top and bottom padding and a 10% right and left padding to the whole page (use a shorthand syntax).
- All 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 color #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 color #363636).
 - has a white background color (#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

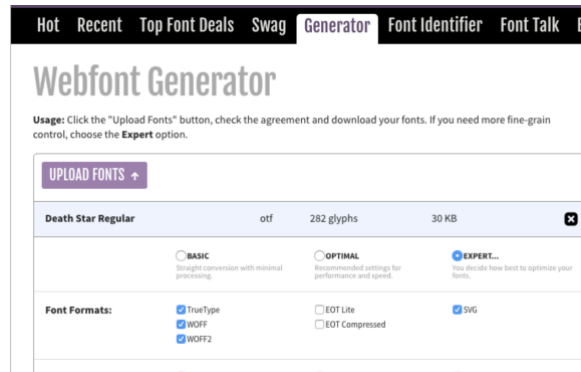


Figure 1 - ex1.1

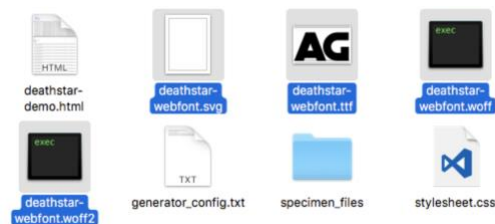
Exercise 1.2

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. (OPTIONAL: If you think you need to take care of browser compatibility you can use a webfont generator and use several formats for the same font. You can follow the instructions below) .
 - <https://www.fontsquirrel.com/tools/webfont-generator>



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



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

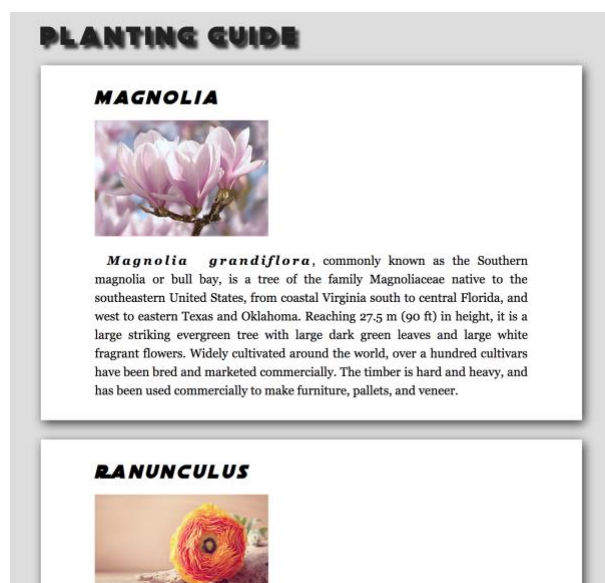
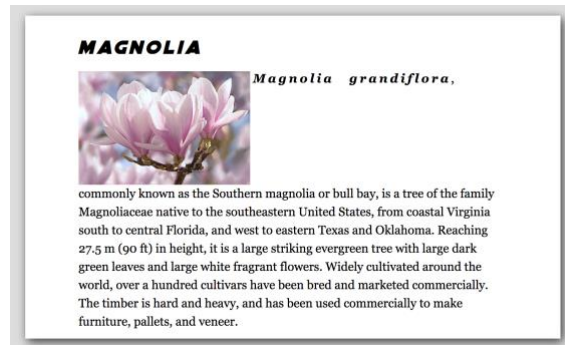


Figure 2 - ex1.2

Exercise 1.3

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

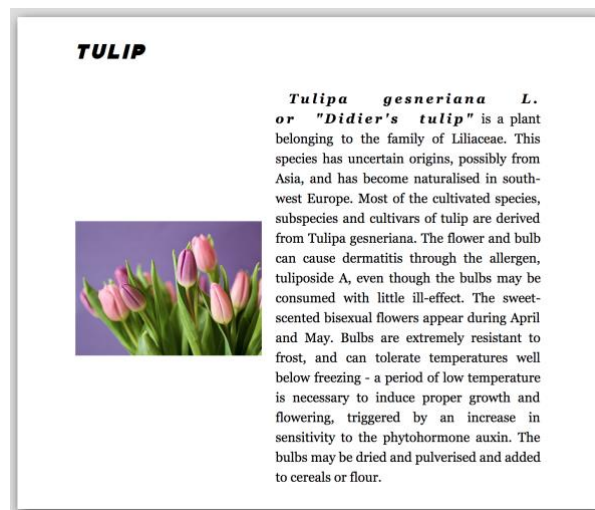
- Box1 must look like the image below (use display and vertical align properties).



- Box2 must look like the image below (float)



- Optional: Box3 must look like the image below (fusing [flex](#). Nice guide [here](#)).



Resources

All the files that you need for this lab are available on 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/>

Exercise 2

The goal of this exercise is to create a layout using float and position properties.

You are not allowed to modify the structure of the html templated provided with the sources of this lab.

Exercise 1.1

The “layout-template.html” file contains the html code you need to turn into a layout. Next figure displays the expected result.

<header>	
<nav>	<p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Aenean commodo ligula eget dolor. Aenean massa. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Donec quam felis, ultricies nec, pellentesque eu, pretium quis, sem. Nulla consequat massa quis enim. Donec pede justo, fringilla vel, aliquet nec, vulputate eget, arcu. In enim justo, rhoncus ut, imperdiet a, venenatis vitae, justo. Nullam dictum felis eu pede mollis pretium. Integer tincidunt. Cras dapibus. Vivamus elementum semper nisi. Aenean vulputate eleifend tellus. Aenean leo ligula, porttitor eu, consequat vitae, eleifend ac, enim. Aliquam lorem ante, dapibus in, viverra quis, feugiat a, tellus. Phasellus viverra nulla ut metus varius laoreet. Quisque rutrum. Aenean imperdiet. Etiam ultricies nisi vel augue. Curabitur ullamcorper ultricies nisi. Nam eget dui. Etiam rhoncus. Maecenas tempus, tellus eget condimentum rhoncus, sem quam semper libero, sit amet adipiscing sem neque sed ipsum. Nam quam nunc, blandit vel, luctus pulvinar, hendrerit id, lorem. Maecenas nec odio et ante tincidunt tempus. Donec vitae sapien ut libero venenatis faucibus. Nullam quis ante. Etiam sit amet orci eget eros faucibus tincidunt. Duis leo. Sed fringilla mauris sit amet nibh. Donec sodales sagittis magna. Sed consequat, leo eget bibendum sodales, augue velit cursus nunc.</p> <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Aenean commodo ligula eget dolor. Aenean massa. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Donec quam felis, ultricies nec, pellentesque eu, pretium quis, sem. Nulla consequat massa quis enim. Donec pede justo, fringilla vel, aliquet nec, vulputate eget, arcu. In enim justo, rhoncus ut, imperdiet a, venenatis vitae, justo. Nullam dictum felis eu pede mollis pretium. Integer tincidunt. Cras dapibus. 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Maecenas nec odio et ante tincidunt tempus. Donec vitae sapien ut libero venenatis faucibus. Nullam quis ante. Etiam sit amet orci eget eros faucibus tincidunt. Duis leo. Sed fringilla mauris sit amet nibh. Donec sodales sagittis magna. Sed consequat, leo eget bibendum sodales, augue velit cursus nunc.</p> <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Aenean commodo ligula eget dolor. Aenean massa. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Donec quam felis, ultricies nec, pellentesque eu, pretium quis, sem. Nulla consequat massa quis enim. Donec pede justo, fringilla vel, aliquet nec, vulputate eget, arcu. In enim justo, rhoncus ut, imperdiet a, venenatis vitae, justo. Nullam dictum felis eu pede mollis pretium. Integer tincidunt. Cras dapibus. Vivamus elementum semper nisi. Aenean vulputate eleifend tellus. Aenean leo ligula, porttitor eu, consequat vitae, eleifend ac, enim. 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<footer>	

You must use viewport units in your layout. Also notice the scroll in the section part.

Resources

According to W3c - https://www.w3schools.com/Css/css_rwd_viewport.asp

“

The viewport is the user's visible area of a web page.

The viewport varies with the device, and will be smaller on a mobile phone than on a computer screen.

Before tablets and mobile phones, web pages were designed only for computer screens, and it was common for web pages to have a static design and a fixed size.

Then, when we started surfing the internet using tablets and mobile phones, fixed size web pages were too large to fit the viewport. To fix this, browsers on those devices scaled down the entire web page to fit the screen.

”

Other resources

- https://www.w3schools.com/cssref/css_units.asp
- https://www.w3schools.com/css/css_float.asp
- https://www.w3schools.com/cssref/pr_class_position.asp
- https://www.w3schools.com/Css/css3_box-sizing.asp

See viewport images below.

