

Oblig#2

Life Under Water

Due date: 04/11/2020, 13:00h
IDG1292-FALL2020

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Context

A non-profit organisation wants you to help shed a light over the life that is under water. To do so they have created an email newsletter. They know that email newsletters are created using HTML and CSS, however they also know of all the other tools that are capable of doing the same task, but they want more control over the design.

An employee in this non-profit organisation happened to see your awesome personal website and now they want **YOU** to develop this newsletter.

Remember that all of this is fictional context for the assignment ;)

Task Description

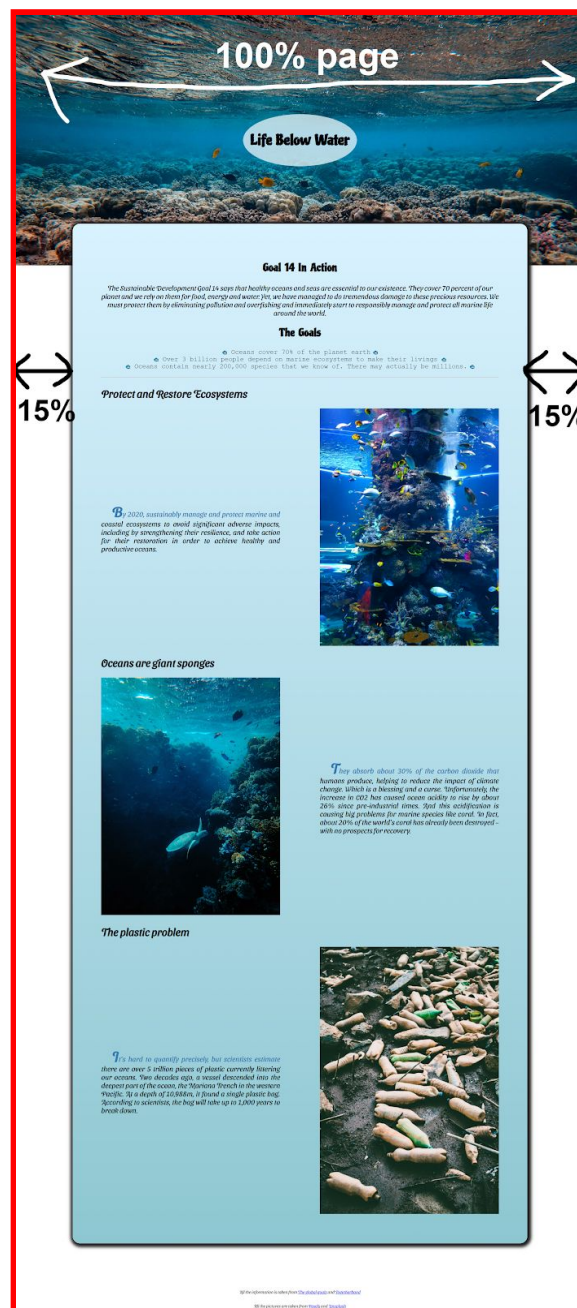
The newsletter will only have one page divided in different sections.

- The header: it displays the name of the newsletter and a background image.
- The main box: contains the contents of the newsletter and it is divided into two sections.
 - The introduction: small article that presents the newsletter.
 - The articles: list of articles for the newsletter
- The footer

The mock-ups

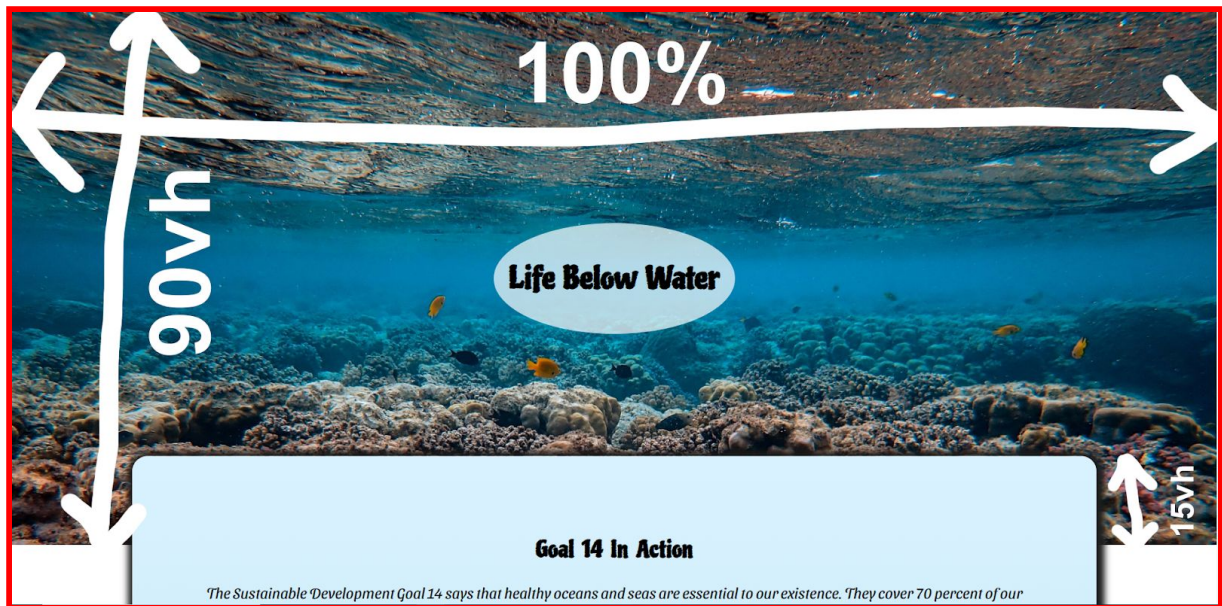
In this section you will find the mock-ups you have to implement. The html code was given by the organisation which means that you will only need to create and link the styles.

The page



The default font-face is "Sansita Swashed", the fall back font is "sans-serif" and the default size is 1,5rem.. The "Sansita Swashed" can be linked to the document using this link (<https://fonts.googleapis.com/css2?family=Sansita+Swashed&display=swap>).

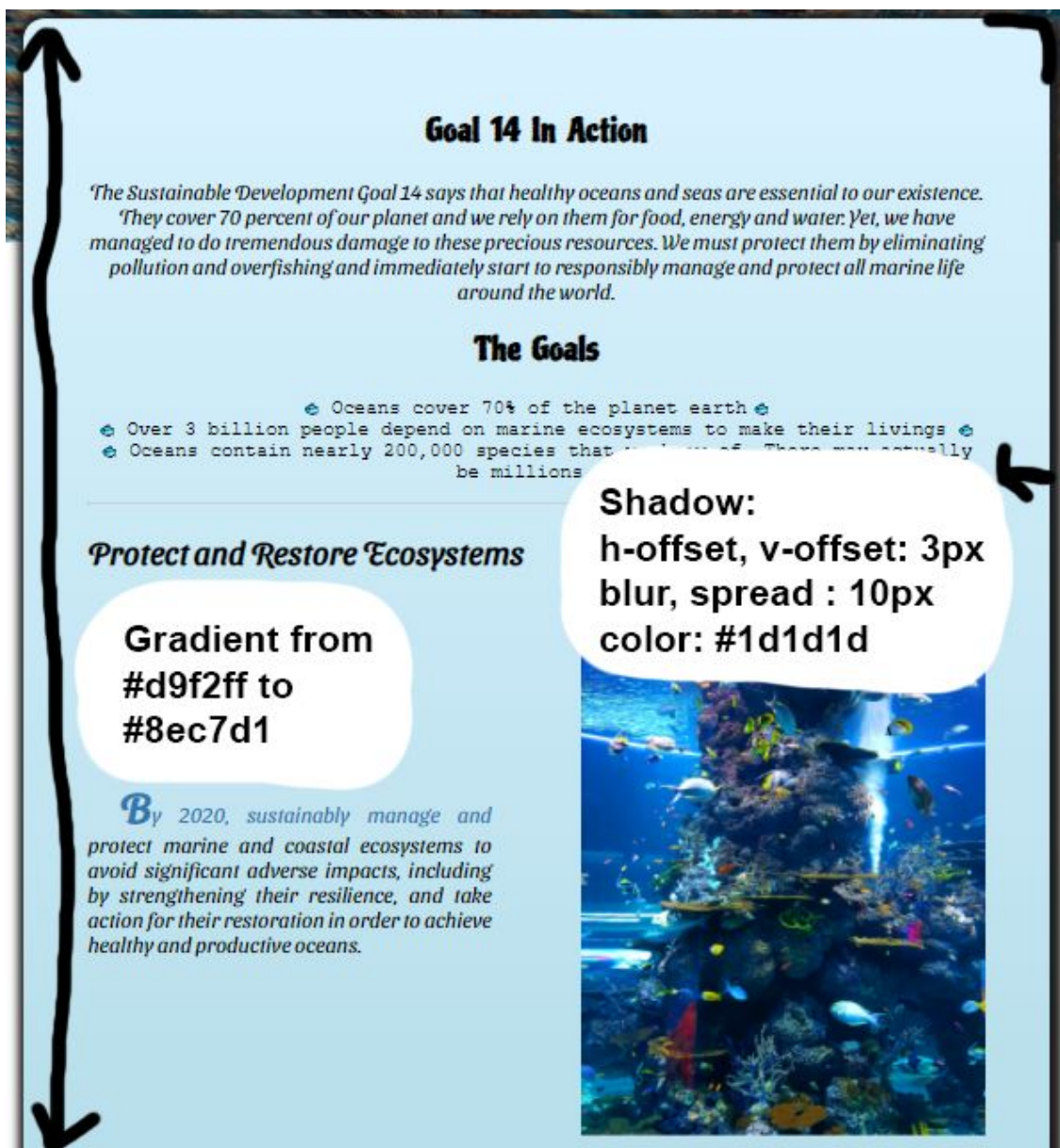
The header



Notice:

- The background image:
 - resize to cover the entire container, even if it has to stretch the image or cut a little bit off one of the edges
 - will be centered
 - will not scroll with the page
- The “Life Below Water” box
 - is centered vertically and horizontally
 - is at least 3em
 - has an opacity of 0,7
- The “Life Below Water” text
 - is centered vertically within the box
 - uses the “Lemonada Caps” font
 - needs the correct fallback font

The main box



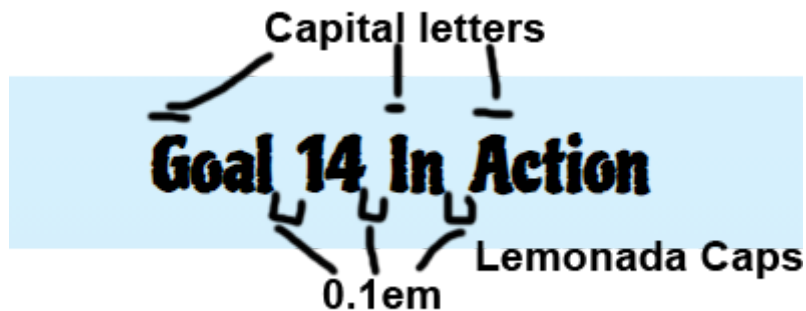
Notice that the box is adjusted 15vh from its normal position (to the top)

Goal 14 In Action

The Sustainable Development Goal 14 says that healthy oceans and seas are essential to our existence. They cover 70 percent of our planet and we rely on them for food, energy and water. Yet, we have managed to do tremendous damage to these precious resources. We must protect them by eliminating pollution and overfishing and immediately start to responsibly manage and protect all marine life around the world.

The Goals

- 🌊 Oceans cover 70% of the planet earth 🌊
- 🌊 Over 3 billion people depend on marine ecosystems to make their livings 🌊
- 🌊 Oceans contain nearly 200,000 species that we know of. There may actually be millions. 🌊



The Goals

Courier New, 0.9em

- 🌊 Oceans cover 70% of the planet earth 🌊
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Font size: 0.8rem (The content code for the fish is "\1F41F")

Notice that some of the styles will need to be deduced by you since there are not explicit comments for everything.

YOU CANNOT ALTER THE HTML CONTENT

The article

Protect and Restore Ecosystems

By 2020, sustainably manage and protect marine and coastal ecosystems to avoid significant adverse impacts, including by strengthening their resilience, and take action for their restoration in order to achieve healthy and productive oceans.



1.5em

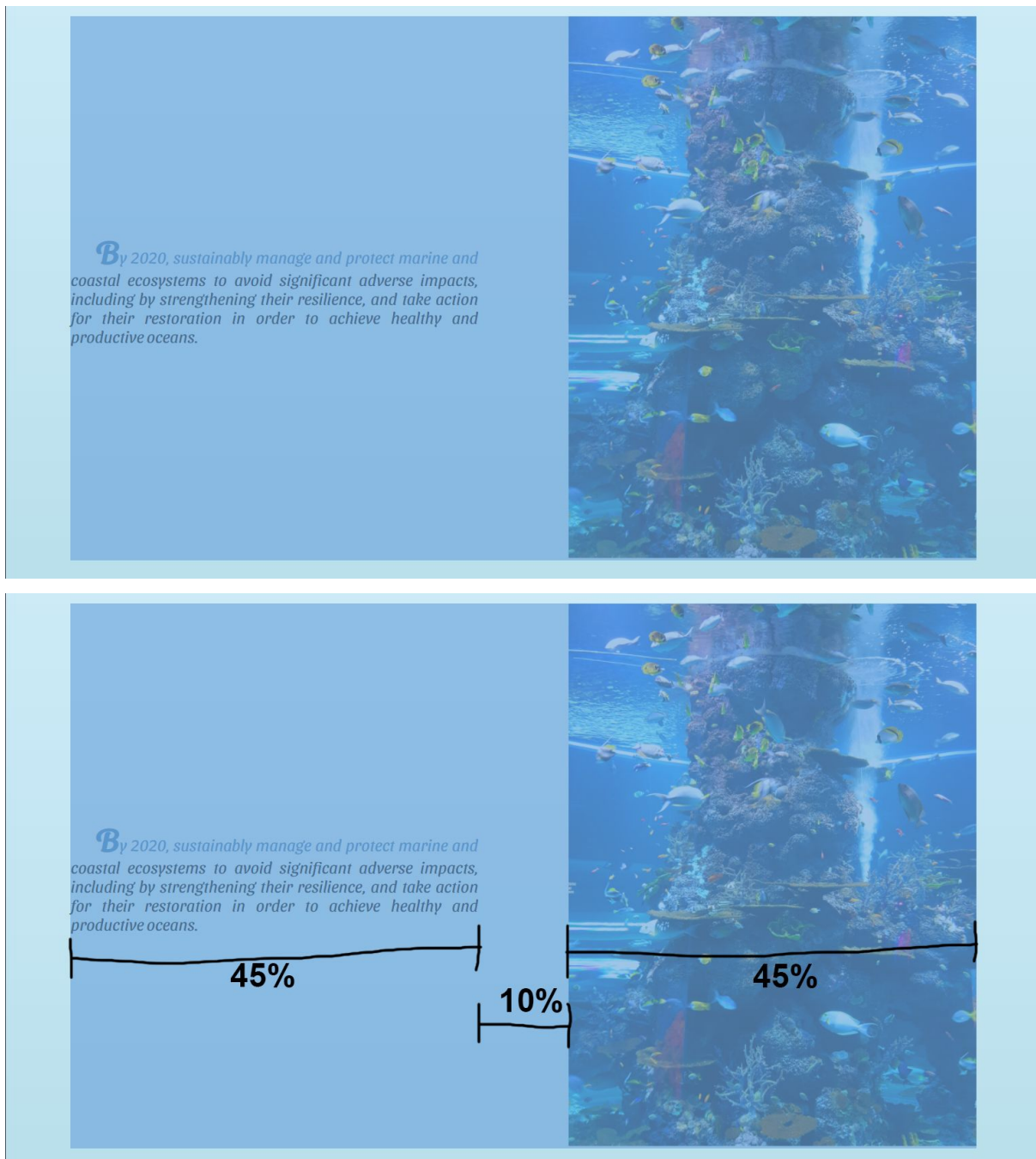
Bold, 2em

Bold, #3178b3

By 2020, sustainably manage and protect marine and coastal ecosystems to avoid significant adverse impacts, including by strengthening their resilience, and take action for their restoration in order to achieve healthy and productive oceans.

Pay attention to the following images to guess the margins, paddings and size of the elements inside the article.

Div:



Clue: Consider using flexbox to create 2 columns (one for the text, one for the image).

The footer

Will be centered and the size of the font 0.9rem.

Responsive layout

The page will have 3 different layouts. The main layout is the one presented in the previous mock-ups.

The second layout will only be applied if the screen size is less than 960px wide. The differences are:

- The header (background) will be 40vh tall
- The “Life below water” box will be 70vw wide
- The main box
 - will be adjusted 10vh away from its normal position (rather than 15vh)
 - right and left margins will be 5%

The last layout will be used with screens less than 600px wide and it will apply the same rules than the second one (or override some) but, in addition:

- The default font size for the whole page will be 1.2rem
- The header (background) will be 30vh tall
- The “Life below water” box:
 - will be 90vw wide
 - will have a min height of 1.5em
- The main box
 - will be adjusted 1vh away from its normal position (rather than 15vh)
 - right and left margins will be 1%
 - change the radius of the box to 1em
 - will remove the box shadow
- The articles (except the article that is used as introduction):
 - will display the image and the text of the image in one column
 - will show first the text and after that the figures (change the order using CSS)



Life Below Water

Goal 14 In Action

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Protect and Restore Ecosystems

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Required

This assignment is graded based on all the concepts introduced from Week 34 to Week 41 (flexbox is allowed, you **CANNOT** use grid for this assignment). You will find a list of considerations you need to check before delivering this assignment.

- Add the proper metatags to the HTML to improve the SEO
- Use proper naming conventions for files (i.e., HTML, CSS, images, folders, etc.)
- Readable code (clean, clear, **commented and well formatted**).
- Use CSS for the presentation layer.
- CSS rules must be efficient. Don't Repeat Yourself (DRY).
 - Use and external CSS file
 - Use selectors, classes and id.
 - **REMEMBER THAT ELEMENTS MUST NEVER OVERFLOW THEIR PARENT CONTAINER**

Please, don't forget that you can't modify or alter the HTML code (only add the SEO meta tags).

**PROJECTS WITH VALIDATION ERRORS WILL GET A "FAIL"
AUTOMATICALLY WITHOUT ANY OTHER
FEEDBACK/COMMENTS..
DON'T FORGET TO VALIDATE THE CODE BEFORE DELIVERING
THE PROJECT.**

Tips

Read carefully the description of this task and try to split it in small tasks. For example:

- Analyze the mock-ups and try to find out what all the elements have in common
- Start coding the html elements and rules that belong to a higher level (for example, margins and paddings of the pages, main boxes, etc.). After that, code the specific parts one by one.

Use the README.txt to explain any other relevant decisions. Also, take a look at all the extra readings provided in the next section.

Do not forget to ask for help if you get stuck.

Extra readings (This can be very helpful)

All the relevant readings have already been posted on blackboard or other assignments.

- <https://moz.com/blog/seo-meta-tags>
- https://www.w3schools.com/cssref/sel_before.asp
- https://www.w3schools.com/cssref/sel_after.asp

Source code

With the description of this assignment the resources that you will need such as images, fonts and html code are provided.

Deliverables

The deadline is on Blackboard and the cover of this document. The assignment will be delivered in Blackboard as well.

Further instructions will be found there. The delivery consists in two parts:

- The zip file, containing the complete website (i.e. you need to zip your root folder)
 - The zip file must be named as “studentcode-o2-idg1292-2020” (for example, if your student code is 1357246 then the name of the zip file must be “1357246-o2-idg1292-2020”).
 - The zip will contain your whole project (i.e.: html pages, folders, assets, images, etc.).
 - **The readme.txt file must contain the “URL” of the live version of your site (i.e. the folk site).**
- The live version of your site: the exact same website must be published on your personal website (folk site) via FTP.
 - To avoid plagiarism issues, I recommend you upload the project naming the root folder of your coursework using a random name.

Get to work as soon as possible and do not leave this for the last minute. Also, there is nothing new about this assignment, which we have not already done in the previous lectures or labs, so do not be scared about the long description.

Should you have questions or need help, do not forget to use the forum, ask by email or ask for help from the student assistants.

GOOD LUCK!