

# LAB 3 (WEEK 37)

Structural vs Semantic tags

Lists

Links

Images

# Table of Contents

<b>Goal of the day .....</b>	<b>3</b>
<b>Exercise 1 – Marvel Heroes .....</b>	<b>4</b>
<i>Exercise 1.1.....</i>	<i>6</i>
<i>Exercise 1.2.....</i>	<i>7</i>
<i>Exercise 1.3.....</i>	<i>8</i>
<i>Exercise 1.4.....</i>	<i>9</i>
<b>Exercise 2 – Personal Portfolio.....</b>	<b>13</b>

## Goal of the day

Today we are working with **links** and **images**. We want to link to different pages within our webpage folders. This way we can **navigate our site with hyperlinks** instead of having to write in the URL for every page in the address bar – an extremely tedious act.

**One thing to notice is that the structuring of the folders in this project is suboptimal.** There are way too many folders for the images. Preferably you would want **an image folder in the root folder with subfolders for different usage**.

However, it is done this way (today) as an academic example so that we can work with different link paths. If you want to read more about file structuring, read this:

On a big site you might like to add subfolders inside the **images** folder. For example, images such as logos and buttons might sit in a folder called **interface**, product photographs might sit in a page called **products**, and images related to news might live in a folder called **news**.

[https://developer.mozilla.org/en-US/docs/Learn/Getting\\_started\\_with\\_the\\_web/Dealing\\_with\\_files](https://developer.mozilla.org/en-US/docs/Learn/Getting_started_with_the_web/Dealing_with_files)

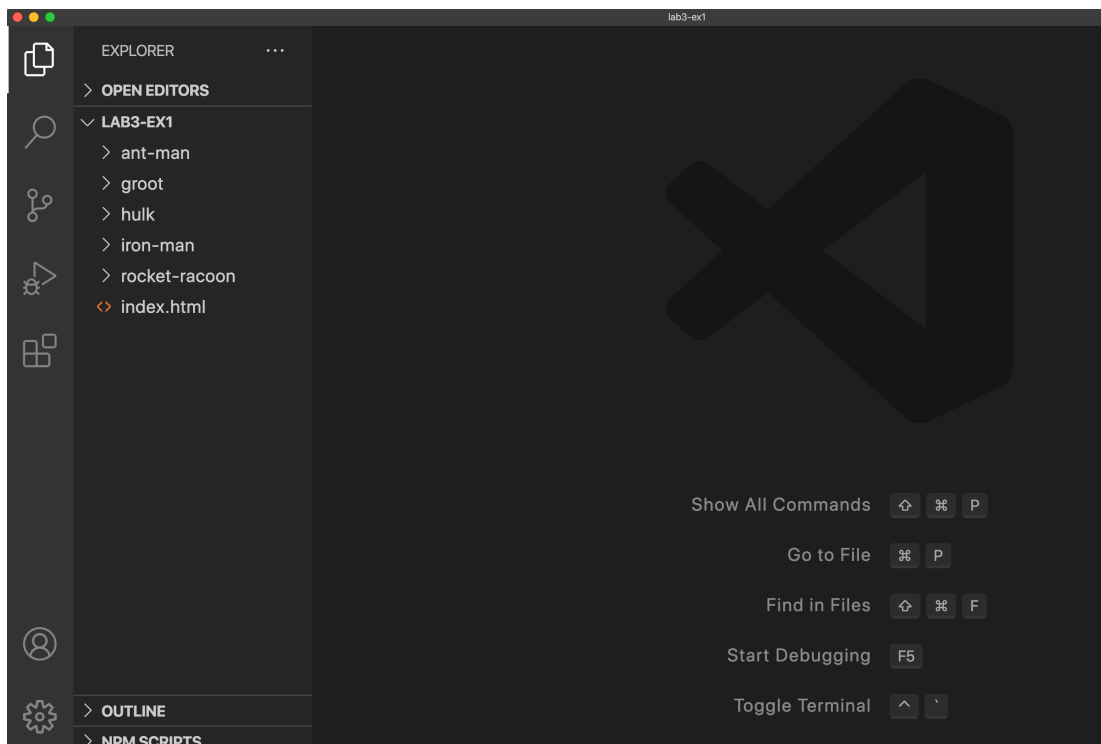
And as always, remember to validate your code:

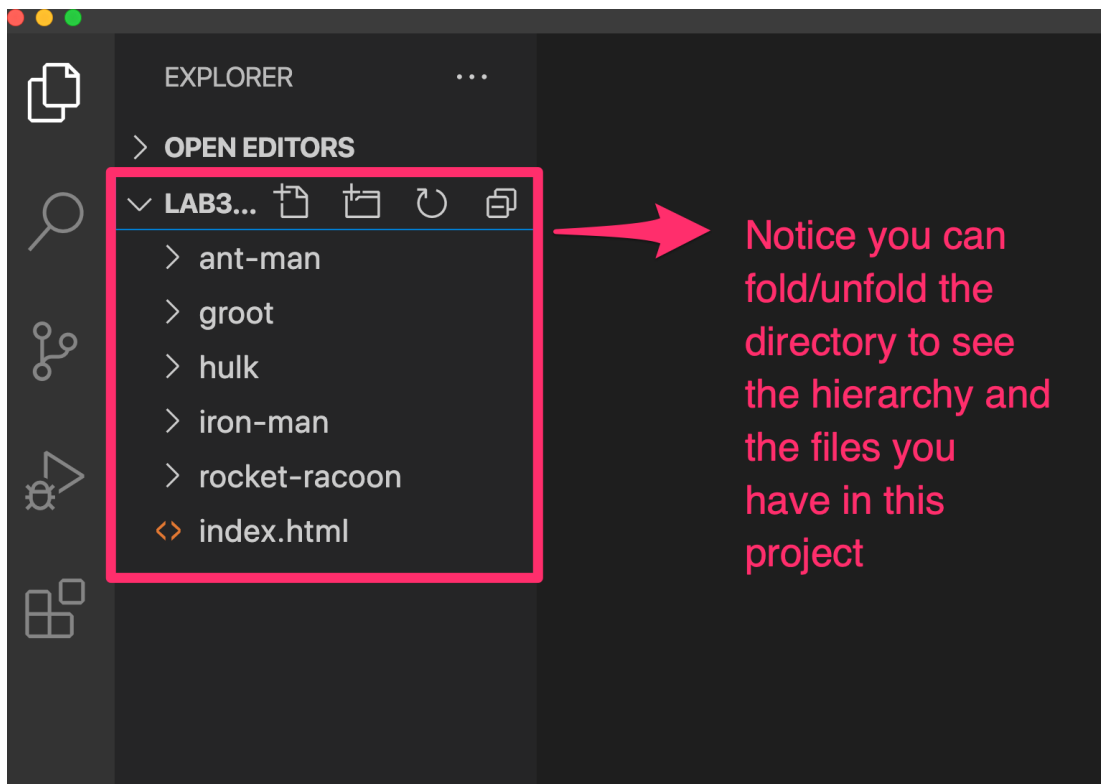
<https://validator.w3.org/>

Why? If you fail to validate the pages of your website based on W3C standards, your website will most likely suffer from errors or poor traffic owing to poor formatting and readability.

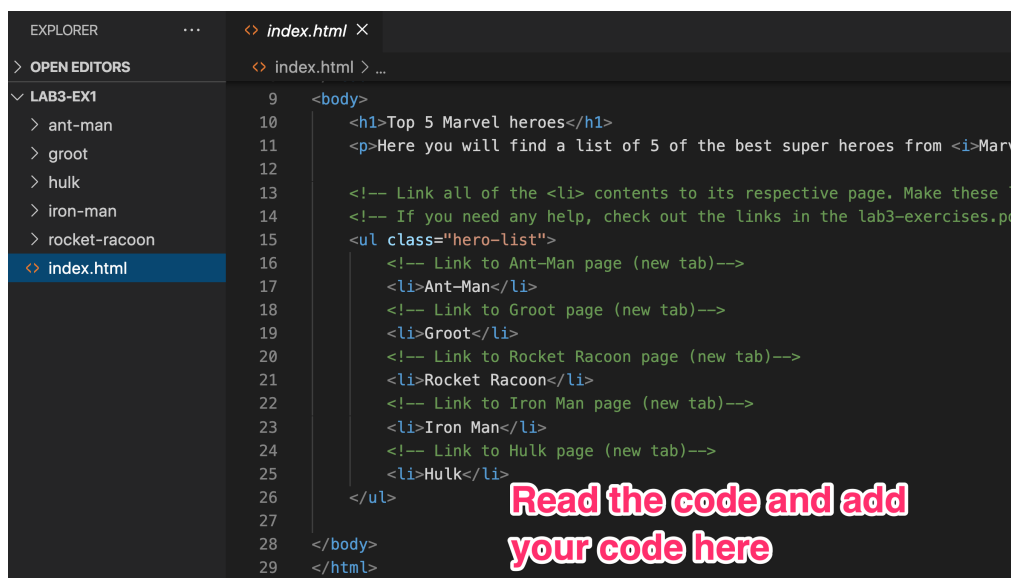
## Exercise 1 – Marvel Heroes

Download the files from blackboard. Unzip “lab3-ex1.zip” and open the entire folder using VSC or your preferred web editor.





Open the different files and read the comments. Then, edit the files to add your code and complete the suggested exercises below.



## Exercise 1.1

For the first exercise, open the **index.html** file from the root folder. Here, we want to make each **<li>** content a link to its respective page. Make these pages open in a new tab.

The result should look like this:

### Top 5 Marvel heroes

Here you will find a list of 5 of the best super heroes from *Marvel* universe

- [Ant-Man](#)
- [Groot](#)
- [Rocket Racoon](#)
- [Iron Man](#)
- [Hulk](#)

## Exercise 1.2

In the second exercise, open the **ant-man/index.html** file. Above the **<h1>** tag, make a link that leads back to the homepage. This link will load in the same page (it won't open in a new tab).

After that, add the picture **"ant-man-landscape\_incredible.jpg"** from the img-folder. Include the caption **"Ant-Man (comic version) wearing his suit"** under the image.

This is the look we want to achieve:

[Homepage](#)

# Ant Man



Ant-Man (comic version) wearing his suit

A good man with a criminal past, Scott Lang builds upon the legacy of one of the founding Avengers as the size-changing hero Ant-Man.

From the Big House to the Ant Farm

## Exercise 1.3

For the third exercise, go to the **<h2>** tag in **the ant-man/index.html** file. Under the **<p>** tag, make a link to Iron Man's page, and add the image **"iron-man-standard\_small.jpg"** from the **iron-man/img-folder** so it loads Iron Man's page when clicked. Make this load in the same tab. Add the caption **"Iron Man"** under the image.

This part should look like this:

### Ant man's best friend

My best friend is ...



Iron Man

© All the images and texts were taken from [Marvel site](#)



## Exercise 1.4

The last part of this exercise is quite simple. Just repeat the previous exercises for the other pages as well.

Groot:

### Groot



Very rude Groot (comic version)

Hailing from the Branch Worlds' Planet X, Groot is part of a species called Groot, so his name is also the title of his taxonomic class. Undergrowth, anthropomorphic animals and fungi who helped maintain Planet X's ecosystem by performing menial tasks. Groot

He first visited Earth in 1960 where he met the scientist Leslie Evans, telling her (he could speak normally at the time) that he was Groot. Groot sealed off Leslie's hometown by using psychokinetically controlled trees. Leslie, however, had a trick up her sleeve with a collection of Taneleer Tivan (AKA the Collector), which was kept underneath Canada. After escaping with other creatures, Groot

Lending a Limb.

Groot's abilities are all-natural and stem from the dendronic wood that makes up his entire body. The extraterrestrial bark he was born into his body and making himself stronger. He can also extend his limbs and shoot vines from them to wrap around objects and enemies. If they are properly replanted, they will grow into new Groots that retain all of his memories.

### Groot's best friend

My best friend is ...



Rocket Raccoon

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Hulk:

## Hulk



Very angry Hulk (comic version)

Scientist Bruce Banner's inner turmoil transforms him into the mean, green rage machine called the Hulk.

### The Monster Inside

The child of an abusive father, Bruce Banner grew up shy and introverted, yet a scientific genius. As a young man, he developed theories for weaponry. Banner resisted such notions, but failed attempts at landing steady work convinced him to accept a job at a military base.

At the base, Banner was befriended by Betty Ross, daughter of General Thaddeus "Thunderbolt" Ross, a man who tried to utilize a high concentration of gamma radiation, a project of high interest to an undercover foreign agent stationed at the base. After the bomb's initial test detonation, the scientist rushed out to the area to warn Jones, but the foreign agent purposefully covered his tracks.

## Hulk's best friend

My best friend is ...



Iron Man

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Iron Man:

## Iron Man



Iron Man (comic) wearing his suit

COOL EXEC, HEART OF STEEL.

Tony Stark is the wealthy son of industrialist and weapons manufacturer Howard Stark and his wife, Maria. Tony grew up at Stark Industries upon his parents' untimely death. Tony designed many weapons of war for Stark Industries, far beyond what

Fate would take a dark turn for Tony Stark once he decided to consult on a weapons contract overseas in enemy terrain. A

Awakening as a prisoner of the warlord Wong-Chu, Tony made a gruesome discovery: the explosion had sent a piece of shrapnel at bay. While held captive, and forced to work on weapons, Tony turned his near-death experience into inspiration for escape?

## Iron Man's best friend

My best friend is ...



Hulk

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Rocket Racoon:

## Rocket Racoon



Rocket Racoon (comic) shooting a weapon

Known for his snarky, trigger-happy personality, Rocket Raccoon first appeared 10,000 years in the future as a mysteriously known trash panda this side of the Keystone Quadrant

Don't be fooled by his standoffish and morally ambiguous bravado, this tactical genius will put his hide on the line for his friends

### The Ranger

A native of the Keystone Quadrant, Rocket Raccoon began his life as a protector of an unidentified humanoid race known as the Eklipsons, who were driven to the edge of extinction by a criminally insane away from the contempt of everyday society, founded an asylum on planet Halfworld. Wanting their new caretakers, he and his fellow Eklipsons fled to Earth and hid in the jungles of the Amazon. For years, the psychiatrists studied patients on Halfworld before returning home and leaving their patients under the care of the Eklipsons. For years, the psychiatrists studied patients on Halfworld before returning home and leaving their patients under the care of the Eklipsons. For years, the psychiatrists studied patients on Halfworld before returning home and leaving their patients under the care of the Eklipsons.

## Rocket Racoon's best friend

My best friend is ...



Groot

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## Exercise 2 – Personal Portfolio

Make a personal page with three different pages: “Home”, “Curriculum Vitae” and “Contact data” (feel free to use fake data if you do not want to talk about you). These pages need to include:

- Home page: title, description, image and a list of hobbies
- CV: include at least education and language sections
- Contact data: Facebook, twitter, etc.

These are the only requirements, but you can add more information/functions if you want to.

Use comments in your code, structure and validate it (<https://validator.w3.org/>). This makes your code more readable for both yourself and others.

Try to use the elements presented in class so far. And use the proper tag for each situation.

Finally, notice that the first assignment (oblig1) will be an extended version of this exercise (soon available on Blackboard).