Front-end recap

Agenda

- Working on assignments from previous lessons
- Checking the exercises done so far
- Recap of what we learned so far
- Other questions
- Bonus: HTML&CSS templates and themes
- Bonus: Deploying website on BitBaloon

The purpose of this session is to **work on the assignments** you haven't finished yet and ask instructors all the **questions** you have regarding this.

However, if you have time, you can also go through the bonus lesson below.

Important: Even if you don't go through this Bonus lesson, make sure you do the homework: installing Python and PyCharm. See instructions at the bottom of this lesson.

Bonus: How to create a beautiful website

Being able to create a beautiful website using HTML & CSS **takes a lot of practice** and also some sense for design. People who are very good at this often have **many years of coding experience**.

You have **just started with coding**, so obviously you are not on that level yet. To be honest, a lot of programmers will **never** be very good HTML&CSS coders, because the world of programming is big and does not consist only of web front-end.

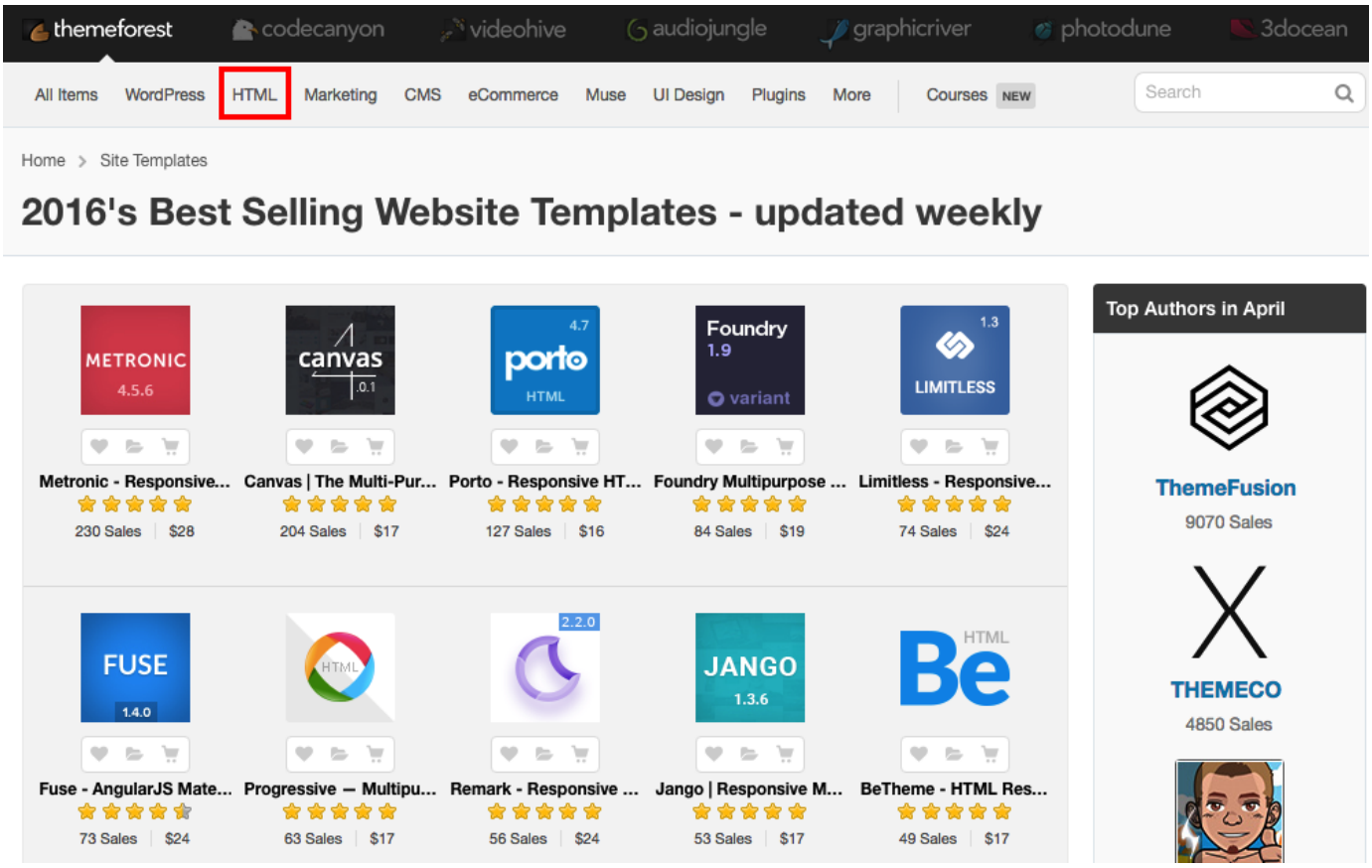
Some programmers prefer working on a website **backend**, which consists of writing code that **runs on a server** and is not visible to a user. These kind of programmers would use programming languages like Python, PHP, C#, Ruby, Java etc. The others might prefer **mobile development**, where you also don't use HTML&CSS, if you're building native Android and iOS applications.

Having said this, I'd like to point out that these coders still **know the basics of HTML and CSS**, because without it you cannot build a website. And because usually their knowledge of HTML & CSS is not so good (that they would be able to build a beautiful website from scratch, or they might not have time for it), they have to **find some other way to do this**. Usually this means that they find and download an **already made HTML&CSS template**.

HTML & CSS templates (or themes)

The web is full of these pre-made templates. You can find most of them on **ThemeForest**, which is a **marketplace for themes**.

You can see the most popular ThemeForest HTML templates here: LINK (make sure you selected HTML in the navigation bar).



Free templates

As you can see, all these templates **cost some money**. Not much, but for the purposes of this course, we'd like to find some free templates.

Note that beautiful templates usually cost money. But they are not so expensive, so you should consider buying one if you like it very much.

One of the websites that offers **free HTML&CSS themes** is StartBootstrap.com. You can find very beautiful themes over there and **use them for your own websites**.

Download a free theme and tweak it

Instructor will do this exercise together with students at this session.

Take a look at the themes at StartBootstrap.com. Pick the one you like the most, download it and start to edit it according to your needs.

Deploy your website

Instructor will do this exercise together with students at this session.

When you finish tweaking the template, you're ready to **deploy your website to the internet**.

How to do this? Easy! Just go to bitbaloon.com and drag&drop your **website folder** there. It will **automatically upload to their servers** and provide you a **URL** to access your new website.

If you get an error saying that you have some files in your folder that are not either HTML, CSS or JS, don't worry. Just go through your folder and delete all the PHP files. BitBallon only allows web front-end (HTML, CSS and JavaScript), not backend.

In order to take the full advantage of BitBaloon, **create a user account** there. You can also buy a **custom domain** there for your website. It's the **easiest way** to upload a simple website that you created.

Home exercise 6.1: Install Python and PyCharm

We will start learning the basic principles of programming in the next lessons. For this, we will use a **programming language called Python** and a **code editor called PyCharm**. Install both of these on your computer:

- Python 2: https://www.python.org/downloads/. Install Python version that starts with 2 (the last one when writing this lesson, was 2.7.11). Do not install Python 3. IMPORTANT: If you use Linux or Mac, chances are that you already have Python installed. Go to terminal and type in `python --version`. If you get an error, you don't have python installed.
- PyCharm Community Edition: https://www.jetbrains.com/pycharm/download/. This is a code editor in which we will write our Python code.

So far we learned coding with HTML and CSS, but they are not programming languages. HTML is a markup language and CSS is a styling language. In the following lessons you will learn programming principles with Python, which is a programming language.