

Lab 0: Web Programming - CSci130

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Pre-class Lab (8/24/2018)

Goals: To meet each other, to learn about the curriculum, to reflect on what is a document, what are web documents.

In this introductory lab session, you will work as teams (group work). The goal is to find different websites that are common to a particular type of website and to extract the different common points from these websites. More particularly, you have to:

- Think about the **logic** of the websites (the **structure**), of the different entities that are presented on each website.
- Ignore the aspects related to the presentation (the **layout**).

Before the creation of a website, you have to know what has to be managed, what will be the content, before it will be presented.

Part 1

- We consider the PDF document that is given on blackboard (2 page document).
- Before moving to web documents, you must know how to use MS word properly:
 - Reproduce the same document with MS word by using references and styles for the headings.

Part 2

- Imagine you have to transfer a printed book (e.g. a novel) to a website or to a structured electronic document. Discuss and justify how you would structure the website containing the book, and what would be the main logical elements that you could be present.
- Represent the website as a tree of elements.

Part 3

Website topics:

1. E-commerce websites (e.g. Cars/motorbikes dealerships)
2. Community building websites (e.g. social websites)
3. News/Information websites
4. Blogs

Each group has to select one of the four topics. For each type of websites, search several examples (at least 5). Extract the **common** functionalities and the common entities that are present in these websites.

- Write a list that will reference the common aspects and the organization of the pages.

For instance, you can answer the following questions:

In the main page, it is possible to obtain the following information:

In the main page, it is possible for the user to do:

- For the types of websites that contain databases, list the possible tables that could be present, and how they could be connected.