



# Atlantis D02

## Dawn of the Third Day

Gaetan [gaetan@42.us.org](mailto:gaetan@42.us.org)

Kai [kai@42.us.org](mailto:kai@42.us.org)

Meo [meo@42.us.org](mailto:meo@42.us.org)

*Summary: Sinatra has taken the stage...*

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# Chapter I

## Foreword

As per 42 tradition, it is customary to include a little excerpt at the beginning of the subject that is completely irrelevant to the actual topic you will be studying today. The idea is to share some jokes or spoilers to a popular series or something that the community might be interested in. I have neglected to put in a **Foreword** for the past 2 days exercises, but I felt a strong need to recommend some songs that may be of use when you approach this day's subject:

**Frank Sinatra** - My Way

**Frank Sinatra** - Fly Me To The Moon

**Frank Sinatra** - My Kind Of Town

**Frank Sinatra** - Strangers in the Night

**Frank Sinatra** - The Best Is Yet To Come

**Frank Sinatra** - Young at Heart

**Frank Sinatra** - New York, New York

**Frank Sinatra** - That Old Black Magic

**Frank Sinatra** - Luck Be a Lady

**Frank Sinatra** - Come Fly with Me

**Frank Sinatra** - One for My Baby

**Frank Sinatra** - Night and Day

**Frank Sinatra** - I've Got the World on a String

**Frank Sinatra** - It Was a Very Good Year

# Chapter II

## HyperText Markup Language

`<style>` and `<img>` and `<p>` and `<br>`,  
`<blockquote>` and `<table>`, `<td>` and `<tr>`,  
`<ul>` but also `<ol>` and `<dl>`...  
things you should know about HTML...


Padding or margin? Use float or align?  
What special symbols will always work fine?  
Where will someone's old browser send your page to... well...  
Things you should know about HTML...

Do your tags close?  
Are they nesting?  
Do you use CSS?  
Once we've gone over these things you should know,  
you will not have... to guess!<sup>1</sup>

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<sup>1</sup>[James Harbeck - 2004 EAC conference](#)


## II.0.1 Exercise 00 : HTML/CSS - Basics or home

|   |             |
|---|-------------|
|  | Exercise 00 |
| Learning the Basics   |             |
| Turn-in directory : <i>ex00/</i>  |             |
| Files to turn in : <b>basics.html</b>   |             |
| Allowed functions : <b>All</b>  |             |
| Notes : <b>n/a</b>  |             |

Note: this first exercise, similar to the next one, has 2 premises. The first is that you have watched the introduction video to HTML/CSS, and the second is that you won't try to look for a pre-packaged answer for the exercises but will really do your best to learn HTML. We will start with something simple. If you can't do it at first, take a break, go home and come back when you are feeling better. Create a web page that contain the following elements:

- A pink background ("Pink ? what's wrong with pink ?"). Be cautious, this is not a random color choice.
- "Basics" as the navigation tab's title.
- A title -so bigger- in white, centered, that contains at least 1 special character.
- Two images side by side representing online shops.
- Under each image, a link to the matching website.
- Under that, a horizontal line that separates the page (no matter the size of the window).
- Finally, under this line, aligned on the right side of the page, in italic and with a monospace font, the copyright symbol, your login, and the current year. ("© meo 2014").

## II.0.2 Exercise 01 : HTML/CSS - Responsive Sandwich

|   |             |
|---|-------------|
|  | Exercise 01 |
| SNCF* Sandwich  |             |
| Turn-in directory : <i>ex01/</i>  |             |
| Files to turn in : <b>menu.html menu.css</b>                                      |             |
| Allowed functions : <b>All</b>  |             |
| Notes : <b>n/a</b>  |             |

A train leaves Paris for Lyon, Saturday September 12th 1985, day of a lunar eclipse. It will ride at 216 km/h, the wind blows S/SE at a factor 5, and the temperature outside the train is 13 degree Celsius, and 22°C inside. The sky is cloudy. Another train leaves Lyon for Paris, on the same day at 23:00. It is riding at 224km/h. Which one of these two train will be the furthest away from Paris when they will cross path?

While you mull over the question, have a SNCF ham and cheese sandwich commonly referred to as a “Drop-down menu”. You have some ingredients that are authorized, others are forbidden:

- Ingredient CSS : OK.
- Ingredient HTML : OK.
- Ingredient Javascript : NO.
- Ingredient other : NO.

Although the aesthetic is subjective, please create a responsive SNCF sandwich -Drop-down menu- that will be appetizing -rather nice to look at-. It should respond to browser resizing; i.e. fonts & images getting smaller, etc.

\*(French National Railway Company)

# Chapter III

## Sinatra


Objectives<sup>1</sup>:

1. Differentiate between a website and a web application
2. Describe how Web Frameworks like **Sinatra** simplify web application development through common patterns and conventions
3. Distinguish between **Sinatra** and Rails
4. Install **Sinatra** on your computer
5. Run a basic **Sinatra** application

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<sup>1</sup>[Quora: What is the best way to learn the Sinatra framework/library for Ruby?](#)

### III.0.1 Exercise 02 : DIY

|   |             |
|---|-------------|
|  | Exercise 02 |
| Create Your Own   |             |
| Turn-in directory : <i>ex02/</i>  |             |
| Files to turn in : <b>Gemfile, everything else</b>                                |             |
| Allowed functions : <b>All</b>  |             |
| Notes : <b>n/a</b>  |             |

- Websites like [Legifrance](#) exist to make it easier to research the French Constitution and French Laws. Similar websites also exist for U.S. and other countries as well. Make your own!
- You are also free to create your web application on a different topic.
- Should implement a Search Function
- Should only use Sinatra



# Chapter IV

## Turn-in and peer-evaluation

Turn your work in using your `Git` repository, as usual. Only work present on your repository will be graded in defense.