



Piscine Discovery

Administration guide

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Summary: Administrator's Guide for the discovery'piscine.

Contents

I	Introduction	2
II	General guideline	3
III	Typical day	4
IV	cellule 0: Shell	6
V	cellule 1: Web basic	9
VI	cellule 2: Web CSS	13
VII	cellule 3: Web JS	15

Chapter I

Introduction

Basic explanation of cells:

- Cell 0 shell: Discovering the shell.
- Cell 1 Web: Discovering the web with basic tags.
- Cell 2 Web: Discovering the web with css.
- Cell 3 Web: Discovering the web with JS.
- Rush: Use of the concepts learned during the week.

Chapter II

General guideline

Here is the list of mandatory exercises per day:

- Cell 0 shell: Exercice 00, 01.
- Cell 1 Web: Exercice 00, 01, 02, 03, 04, 05.
- Cell 2 Web: Exercice 00.
- Cell 3 Web: Exercice 00, 01.
- Rush.

Chapter III

Typical day

First day:

Hours	Activities
8h00 - 9h00	Presentation of the pool in group.
9h00 - 10h00	Project of the day.
10h00 - 10h30	Exchange between supervisors and students in a group format.
10h30 - 12h00	Project of the day.
12h00 - 13h00	Food break.
13h00 - 15h00	Project of the day.
15h00 - 16h00	Mandatory evaluation with the help of the supervisors.
16h00 - 18h00	Project of the day.

The Discovery'session should begin with a group presentation with an explanation of how the Discovery'pool works.

A short presentation of the staff is optional but highly recommended.

An explanation of the program of the days of the Discovery'pool is expected here.

During the first days, do not hesitate to come and help the lost students.

The moment of exchange during the day allows to bring help to the students between them in priority.

A supervisor will be present to facilitate the exchange.

Last day:

Hours	Activities
9h00 - 9h30	Presentation of the rush
9h30 - 10h30	Project of the day.
10h30 - 11h00	Exchange between supervisors and students in a group format.
11h00 - 12h00	Rush
12h00 - 13h00	Food break.
13h00 - 15h00	Rush
15h00 - 16h00	Mandatory evaluation with the help of the supervisors.
16h00 - 17h00	End of pool.

This last day should be a Discovery'pool closing day.

Students will be able to continue past days but it will be important to make it clear that this day is for group rush.

A group presentation is expected at the beginning of this day.

It will be important to explain the purpose of the rush and not to hesitate to help the students during this day.

The rush is intended to be done as a group, but technically can be done alone.

You will have to be careful not to leave any student behind. The last moment to discuss the whole Discovery'pool will be at the end of the day.

We can imagine a lot of things like the presentation of the best rush or others.


You should not hesitate to listen to the things that worked or didn't work during this pool in order to improve the next Discovery'pools.

Classic day:

Hours	Activities
8h00:10h00	Project of the day.
10h00:10h30	Exchange between supervisors and students in a group format.
10h30:12h00	Project of the day.
12h00:13h00	Food break.
13h00:15h00	Project of the day.
15h00:16h00	Mandatory evaluation with the help of the supervisors.
16h00:18h00	Project of the day.


Chapter IV

cellule 0: Shell

	Exercise 00
The basic	
Turn-in directory : <i>ex00/</i>	
Files to turn in :	
Allowed functions : None	


Solution:

```
> mkdir -p ~/discovery\_piscine/cell00/ex00
```

	Exercise 01
Z	
Turn-in directory : <i>ex01/</i>	
Files to turn in : z	
Allowed functions : None	


Solution:

```
> echo "Z" > ~/discovery\_piscine/cell00/ex01/z
```

	Exercise 02
MidLS	
Turn-in directory : <i>ex02/</i>	
Files to turn in : <i>midLS</i>	
Allowed functions : <i>None</i>	


Solution:

```
> echo 'ls --format=across -p --format=commas' > ~/discovery\_piscine/cell00/ex02/midLS
```

	Exercise 03
Count_files	
Turn-in directory : <i>ex03/</i>	
Files to turn in : <i>count_files.sh</i>	
Allowed functions : <i>None</i>	


Solution:

```
> echo 'ls -la | tail -n +4 | wc -l' > ~/discovery\_piscine/cell00/ex03/count\_files.sh
```

	Exercise 04
Argv	
Turn-in directory : <i>ex04/</i>	
Files to turn in : <i>argv.sh</i>	
Allowed functions : <i>None</i>	

Solution:

```
> cat ~/discovery\_piscine/cell00/ex04/argv.sh
#!/bin/bash
if [ "$#" -eq "0" ]; then
    echo "No arguments supplied"
else
    for file in "$@"; do echo $file; done
fi
```



	Exercise 05
Build	
Turn-in directory : <i>ex05/</i>	
Files to turn in : build.sh	
Allowed functions : None	

Solution:

```
> cat ~/discovery\_piscine/cell00/ex05/build.sh
#!/bin/bash
dir=$(pwd)
if [ "$#" -eq "0" ]; then
    echo "No arguments supplied"
else
    for file in "$@"; do params+=( "$dir/ex$file" ); done
    mkdir -p "${params[@]}"
fi
```


Chapter V

cellule 1: Web basic

	Exercise 00
Hello World	
Turn-in directory : <i>ex00/</i>	
Files to turn in : helloworld.html	
Allowed functions : None	


Solution:

```
> cat ~/discovery\_piscine/cell01/ex00/helloworld.html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title></title>
</head>
<body>
  Hello World
</body>
</html>
```

	Exercise 01
Title	
Turn-in directory : <i>ex01/</i>	
Files to turn in : piscineweb.html	
Allowed functions : Toutes	


Solution:

```
> cat ~/discovery\_piscine/cell01/ex01/piscineweb.html
[...]
<body>
  <h1 style="text-align: center;"><strong>Piscine Web</strong></h1>
</body>
[...]
```

	Exercise 02
The best lolcat	
Turn-in directory : <i>ex02/</i>	
Files to turn in : piscineweb.html	
Allowed functions : All	


Add the previous page in the body by modifying the PATH:

```
> cat ~/discovery\_piscine/cell01/ex02/piscineweb.html
<body>
[... ]
  
  
</body>
```

	Exercise 03
We go for a walk	
Turn-in directory : <i>ex03/</i>	
Files to turn in : piscineweb.html	
Allowed functions : Toutes	


Add to the previous page in the <a> tags on the first image:

```
> cat ~/discovery\_piscine/cell01/ex03/piscineweb.html
<body>
[... ]
  <a href="https://www.youtube.com/watch?v=INscMGmhmx4"></a>
[... ]
</body>
```

	Exercise 04
B.A.BA or home	
Turn-in directory : <i>ex04/</i>	
Files to turn in : baba.html	
Allowed functions : None	


Solution:

```
> cat ~/discovery\_piscine/cell01/ex04/baba.html
<html>
<head>
  <title>B.A.BA</title>
  <meta charset="utf-8">
</head>
<body style="background-color: pink">
  <h1 style="color: white; margin-left: 50%;">
    Ceci est un accent &eacute;
  </h1>
  
  
  <div style="margin-left: 52%; height: 50px; width: 50px">
    <a href="http://www.amazon.fr" style="float: left;">TITLE</a>
    <a href="http://www.ebay.fr" style="margin-left: 50px">TITLE</a>
  </div>
  <br>
  <hr>
  <div style="float: right">
    &copy; wil 2021
  </div>
</body>
</html>
```

	Exercise 05
Tab	
Turn-in directory : <i>ex05/</i>	
Files to turn in : tab.html	
Allowed functions : None	

Solution:

```
> cat ~/discovery\_piscine/cell01/ex05/tab.html
[...]
<table>
  <tr>
    <td style="background-color: #C3C77F;">First cell</td>
    <td style="background-color: #F9C4AF;">Second cell</td>
  </tr>
</table>
[...]
```


	Exercise 06
Responsive	
Turn-in directory : <i>ex06/</i>	
Files to turn in : responsive.html	
Allowed functions : n/a	

Solution simply add this style::

```
> cat ~/discovery\_piscine/cell01/ex06/responsive.html
<style>
[...]
table { width: 100%; height: 100%;}
[...]
</style>
```


Chapter VI

cellule 2: Web CSS


	Exercise 00
Responsive improved	
Turn-in directory : <i>ex00/</i>	
Files to turn in : responsive.html responsive.css	
Allowed functions : None	

Simply split solution with this style:


```
> cat ~/discovery\_piscine/cell02/ex00/responsive.css
[...]  
table { width: 100%; height: 100%;}  
[...]  
</style>  
> cat ~/discovery\_piscine/cell02/ex00/responsive.html | grep link  
<link rel="stylesheet" href="responsive.css" />
```

	Exercise 01
Sandwich SNCF	
Turn-in directory : <i>ex01/</i>	
Files to turn in : menu.html menu.css	
Allowed functions : None	

Solution in resources.

	Exercise 02
Parallax	
Turn-in directory : <i>ex02/</i>	
Files to turn in : parallax.html parallax.css	
Allowed functions : None	

Solution in resources.

	Exercise 03
User profile card	
Turn-in directory : <i>ex03/</i>	
Files to turn in : card.html, card.css	
Allowed functions : None	

Solution in resources.

Chapter VII

cellule 3: Web JS

```
> cat ~/discovery\_piscine/cell03/ex00/background.html  
[...]  
<button onclick="document.body.style.backgroundColor = '#' +  
(Math.floor(Math.random()*999))">Click me!</button>  
[...]
```



Exercise 01


Explode this balloon

Turn-in directory : *ex01/*


Files to turn in : *balloon.html*

Allowed functions : HTML, CSS, JS


Solution in resources.

	Exercise 02
Its over 9000	
Turn-in directory : <i>ex02/</i>	
Files to turn in : <code>calc.html</code>	
Allowed functions : HTML, CSS, JS	

Solution in resources.

	Exercise 03
To do or not to do	
Turn-in directory : <i>ex03/</i>	
Files to turn in : <code>index.html</code> , <code>todo.js</code>	
Allowed functions : HTML, CSS, JS	

Solution in resources.

	Exercise 04
If jQuery, I'm going too	
Turn-in directory : <i>ex04/</i>	
Files to turn in : Same files as the respective exercises	
Allowed functions : HTML, CSS, jQuery	

Solution in resources.