



WEB@CADEMIE'S INTRANET

Documentation

For web and web mobile developer exam

By Gregory Koenig

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I. Specifications

1. Project set presentation

a. Intranet presentation

Web@cademie is a private, non-profit and tuition-free computer programming school created and funded by French IONIS Education Group with several partners including Epitech and Zup de Co association. The school was first opened in Paris in 2010. Headquartered in Le Kremlin-Bicêtre, Paris, the school has branches in Lyon and Strasbourg.

The lead role of the intranet is to permit students to have the follow-up of their school. They also will be able to interact with the teaching staff.

b. Objectives of the website

The website is an intranet for Web@cademie. It must implement functionalities like schedule, grades, tutorials, news, etc.

c. Target market of the website

The website is exclusively addressed to the Web@cademie students and their teachers.

d. Quantitative objectives

The website will be daily attended by several hundred students and dozens of teachers and administrative personnel.

e. Perimeter of the project

The website will be available in French and English translations. The structure will be the same for both languages.

The design will be responsive for mobiles.

f. Description of the actual website

Web@cademie uses for the present the intranet of Epitech. It has not his own one. This project will be the first version made from scratch. The actual intranet is neither ergonomic nor responsive.

Later, it will be hosted by the Epitech servers.

Web@cademie provides their own logos.

For now, only myself is allocated to this project. Later, a team will be built, and I will be the project manager.

2. Graphic and ergonomic description

a. Graphics standards

Cf. Graphics standards in Appendix.

This has been conceived with Adobe XD.

b. Design

The design of the website will be uncluttered, simple and modern. It will be incorporate with flat design and inspired from a template which can be found on <https://freebiesupply.com/adobe-xd-templates/adobe-xd-ui-kit-components/>.

The colors respect those from Web@cademie and their logos.

c. Models

Cf. Mockup in Appendix.

This has been conceived with Adobe XD.

3. Functional and technical description

a. Tree diagram of the website

Cf. Clustering in Appendix.

This has been conceived thanks to <https://www.draw.io/>.

b. Functional description

The website must have a secure connection system for students. There is no registration system because only administration is authorized to create accounts. The access to the website is only allowed to Epitech emails.

There should be an administration system for managing the back office and the content of the different sections. It will be automatically generated by the Sonata bundle.

c. Information relating to contents

For the moment, only tutorials section must be developed. It will contain chapters, videos and exercises subsections.

d. Technical requirements

For now, the site will be hosting on GitHub.

For the front end, HTML5 and CSS3 with Bulma will be used. For the back end, it will be PHP 7.2.9 and the Symfony framework, version 3.4.

The website must be compatible with Internet Explorer, Mozilla Firefox, Google Chrome, Opera and Safari.

4. Organization

a. Expected services provided

- Development
- Design
- Database (*cf. Database in Appendix*, conceived thanks to <https://www.draw.io/>)
- Maintenance and update

b. Schedule

Cf. Gantt chart in Appendix.

This has been conceived thanks to <https://www.officetimeline.com/fr>.

The project starts the twenty-fourth of September 2018. The final delivery must be the seventh of October 2018.

The oral defense will be scheduled for the eighteenth of October 2018.

c. Monitoring methods

Agile software development will be used for this project. A project monitoring will be made at the end of each sprint.

II. Technical design document

1. Requirements

Symfony 3.4 requires PHP 5.5.9 or higher to run. Composer is also needed with a web server like Lamp or Xampp.

2. Repository

The next step is to create a repository on GitHub in order to have a save. Its name is "Perso_Project_Webacademie_Intranet".

3. Symfony

According to the Symfony documentation, you must install the Symfony installer. Then you can create your project. Be careful with the version you specify.

4. Sonata

After trying to install the Sonata suite to adapt it to the project, I have met some problems with it. So, I decided to abandon it.

I switched to EasyAdminBundle with FOSUserBundle in order to handle the website for both users and administration.

5. Routing

I have forbidden the access to the website if the user is not logged. So, he is redirected to the login page. I also disabled the registering and resetting routes.

6. Entities

I added three fields in the FOSUser table in the database:

- first name
- last name
- Address

Then I created all the entities according to the specifications and made joints between them. Then Symfony will generate the matching tables with a line-command.

Finally, I specified them to EasyAdminBundle so that they can be managed and filled.

7. Controller

I created a controller in order to converse with the views and the database.

8. Views

Finally, I conceived the views that the user will see when I navigate on the website. The technologies used here are CSS3 with the framework Bulma and JavaScript with the library jQuery so that the website is responsive.

III. User guide

1. Registration

There is no registration because it is an intranet. Only administration and the informatic service can do that.

2. Connection

Only Web@cademie students can log in on the website with an Epitech email and their password.

3. Profile

They have access to their profile where they can only change their password and their address.

4. Dashboard

On their dashboard, they can see the tutorials they follow with some details like the number of lessons or videos they have seen.

5. Tutorials

On this page, they have access to the all tutorials in many languages. So, they can read lessons, see videos and practice with simple exercises.

6. Log out

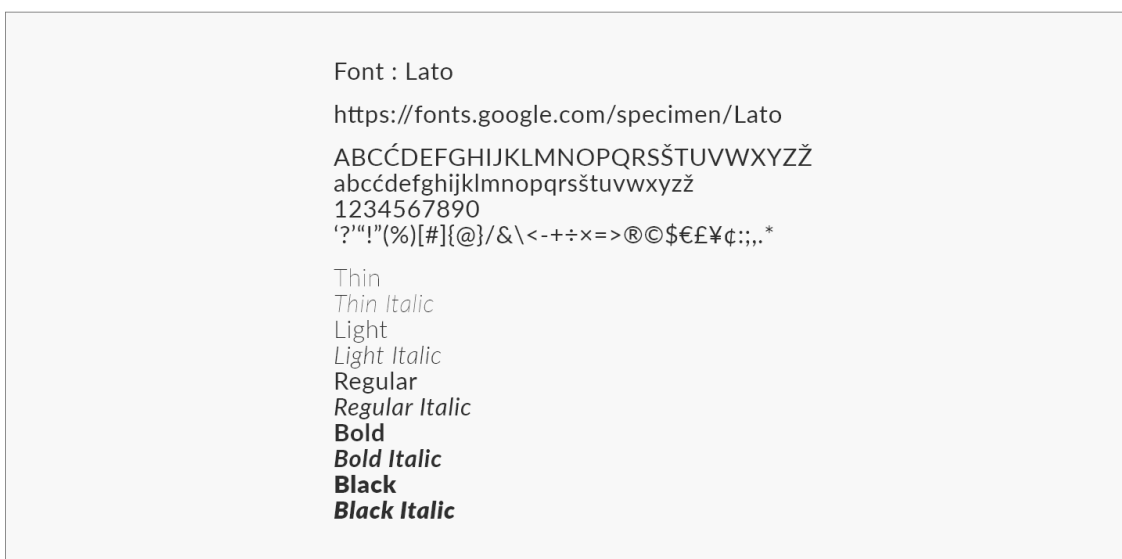
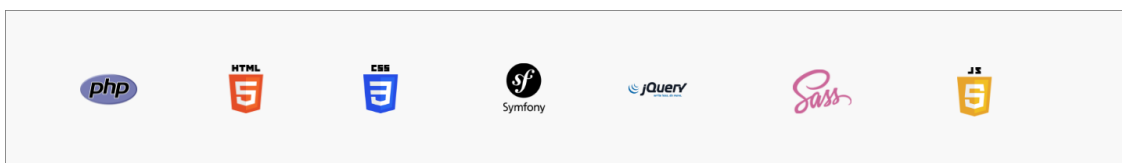
They can simply log out on clicking on the log out button.

7. Admin

Only users with admin rights can access to this. They can add, edit or delete anything relating to the database.

IV. Appendix

1. Graphics standards

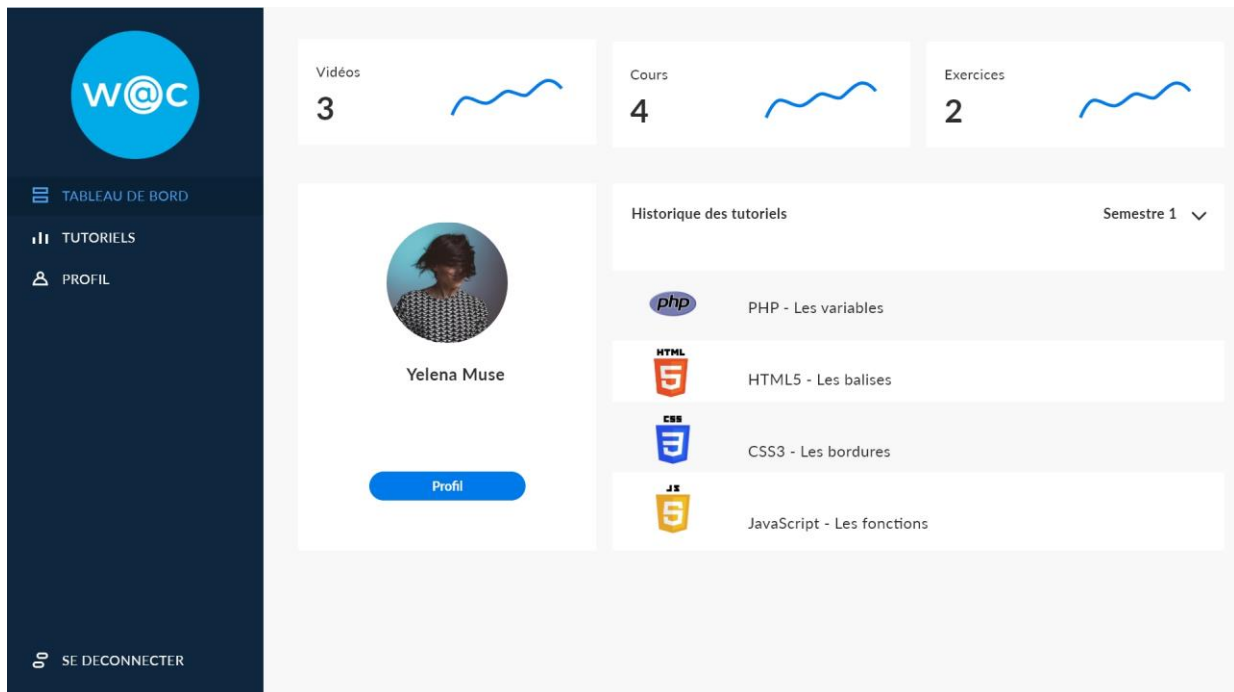


2. Mockup

a. Connection



b. Dashboard



c. Profile

W@C

TABLEAU DE BORD

TUTORIELS

PROFIL

ME DÉCONNECTER

PROFIL

Yelena Muse

Adresse e-mail
yelena.muse@epitech.eu

Web@cadémie
Strasbourg

Adresse
1 rue de l'Eglise, 67000 STRASBOURG

Mot de passe

Confirmer mot de passe

Adresse
1 rue de l'Eglise, 67000 STRASBOURG

Modifier

d. Tutorials

W@C

TABLEAU DE BORD

TUTORIELS

PROFIL

ME DÉCONNECTER

Semestre 1

php JS HTML CSS Symfony jQuery Sass

Liste des tutoriels

php	PHP - Les variables	10 min	+
php	PHP - Les fonctions	20 min	+
php	PHP - Les classes	35 min	+
php	PHP - POO	45 min	+

i. Chapters




TABLEAU DE BORD

TUTORIELS

CHAPITRES

CHAPITRE 1

CHAPITRE 2

CHAPITRE 3

VIDÉOS



EXERCICES

PROFIL

SE DECONNECTER

PHP - Les variables

Semestre 1

 Chapitre 1 

Chapitre 1 - Présentation générale

Il doit y avoir une instruction par ligne.
Une ligne ne doit pas excéder 80 colonnes. Cette règle s'applique également pour les commentaires.
Une fonction ne doit pas excéder 25 lignes entre les accolades

```
1 /*  
2  ** Cette fonction fait 2 lignes  
3  */  
4 function hello_world()  
5 {  
6     echo "Hello World\n";  
7     return ();  
8 }
```

[Vidéo 1](#)
[Exercice 1](#)




TABLEAU DE BORD

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PHP - Les variables

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8 }
```

[Vidéo 1](#)
[Exercice 1](#)

Chapitre 1

Chapitre 2

Chapitre 3

ii. Videos




TABLEAU DE BORD

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VIDÉOS

VIDÉO 1

VIDÉO 2

VIDÉO 3


EXERCICES

PROFIL

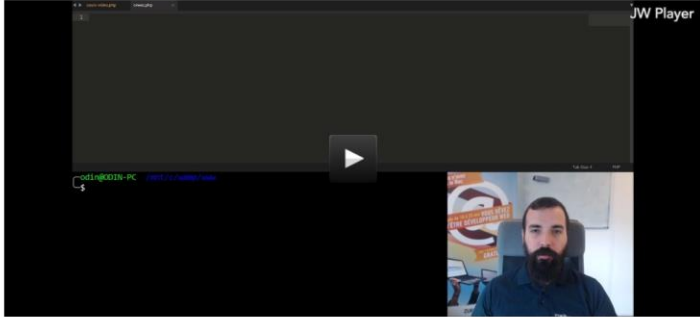
SE DECONNECTER

PHP - Les variables

Semestre 1

 Vidéo 1

Vidéo 1 - Présentation générale






TABLEAU DE BORD

TUTORIELS

CHAPITRES

VIDÉOS

VIDÉO 1

VIDÉO 2

VIDÉO 3


EXERCICES

PROFIL

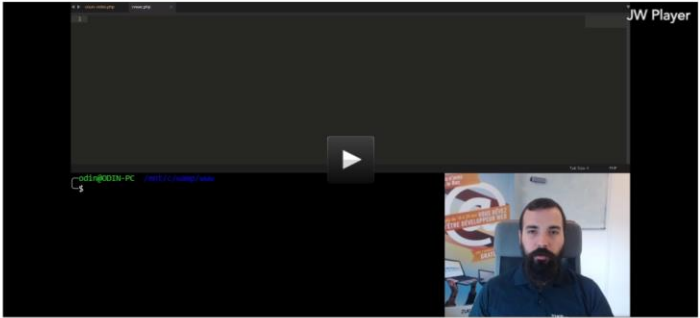
SE DECONNECTER

PHP - Les variables

Semestre 1

 Vidéo 1

Vidéo 1 - Présentation générale



Vidéo 1

Vidéo 2

Vidéo 3

iii. Exercises

The image displays two screenshots of a web application interface, likely a learning management system, showing exercise details for 'PHP - Les variables'.

Left Screenshot:

- Header:** 'PHP - Les variables' and 'Semestre 1' are displayed in a light blue bar. A 'php' logo and 'Exercice 1' with a dropdown arrow are on the right.
- Left Sidebar (Dark Blue):**
 - Logo: 'w@C' in a blue circle.
 - Menu items: 'TABLEAU DE BORD', 'TUTORIELS', 'CHAPITRES', 'VIDÉOS', 'EXERCICES' (highlighted), 'EXERCICE 1' (selected), 'EXERCICE 2', 'EXERCICE 3', 'PROFIL', and 'SE DECONNECTER'.
- Main Content Area:**
 - Exercice 1 - Présentation générale**
 - Text:** 'Parmi les variables suivantes, lesquelles ont un nom valide : **mavar, \$mavar, \$var5, \$_mavar, \$_5var, \$_élément1, \$hotel4*** ?'
 - Solution:** A section with an upward arrow icon.

Right Screenshot:

- Header:** Same as the left screenshot.
- Left Sidebar:** Same as the left screenshot.
- Main Content Area:**
 - Exercice 1 - Présentation générale**
 - Text:** Same as the left screenshot.
 - Solution:** A section with an upward arrow icon.
- Dropdown Menu:** A dropdown menu is open next to 'Exercice 1', showing options: 'Exercice 1' (highlighted), 'Exercice 2', and 'Exercice 3'.



TABLEAU DE BORD

TUTORIELS

CHAPITRES

VIDÉOS

EXERCICES

EXERCICE 1

EXERCICE 2



EXERCICE 3

PROFIL

ME DÉCONNECTER

PHP - Les variables

Semestre 1


 Exercice 1 

Exercice 1 - Présentation générale

Parmi les variables suivantes, lesquelles ont un nom valide :

mavar, \$mavar, \$var5, \$_mavar, \$_5var, \$_élément1, \$hotel4* ?

Solution



Les noms **\$mavar, \$var5, \$_mavar, \$_5var, \$_élément1** respectent les conventions.
Les autres ne sont pas valides : **mavar** ne commence pas par le caractère **\$** et **\$hotel4*** se termine par le caractère *****




TABLEAU DE BORD

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CHAPITRES

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EXERCICE 1

EXERCICE 2



EXERCICE 3

PROFIL

SE DECONNECTER

PHP - Les variables

Semestre 1


 Exercice 1 

Exercice 1 - Présentation générale

Parmi les variables suivantes, lesquelles ont un nom valide :

mavar, \$mavar, \$var5, \$_mavar, \$_5var, \$_élément1, \$hotel4* ?

Solution



Les noms **\$mavar, \$var5, \$_mavar, \$_5var, \$_élément1** respectent les conventions.
Les autres ne sont pas valides : **mavar** ne commence pas par le caractère **\$** et **\$hotel4*** se termine par le caractère *****

Exercice 1

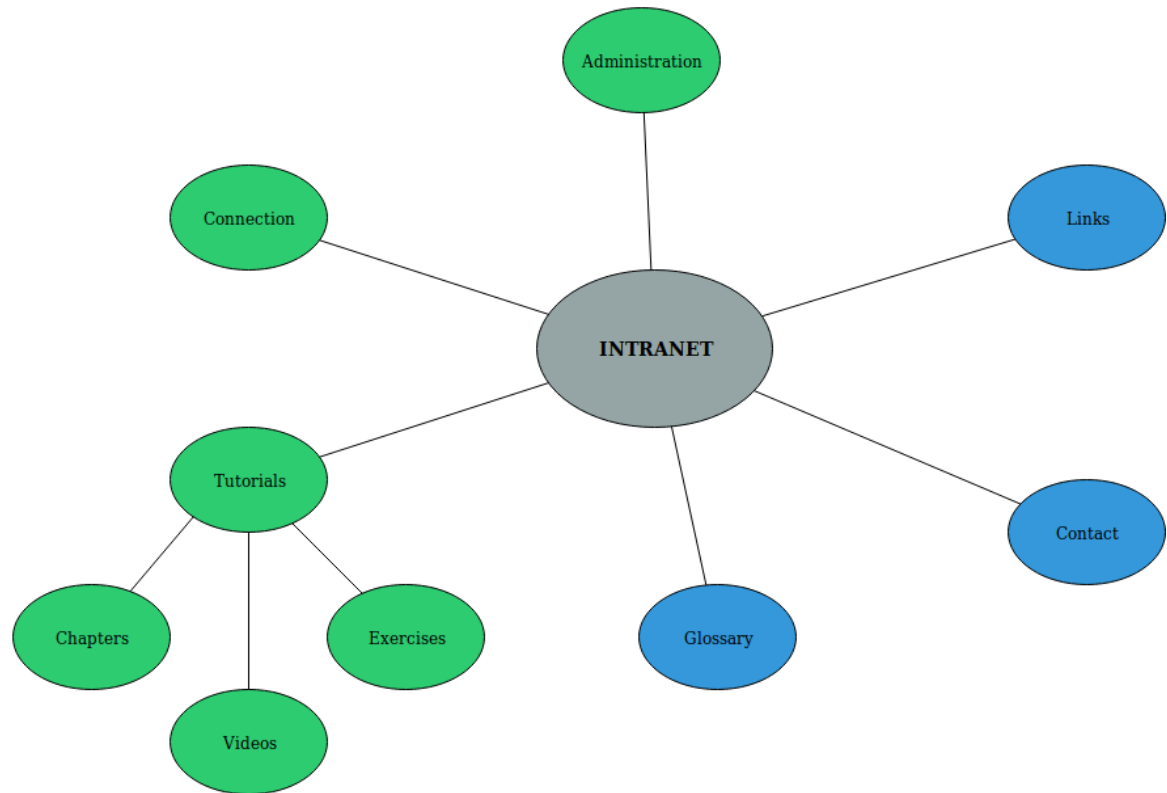
Exercice 2

Exercice 3

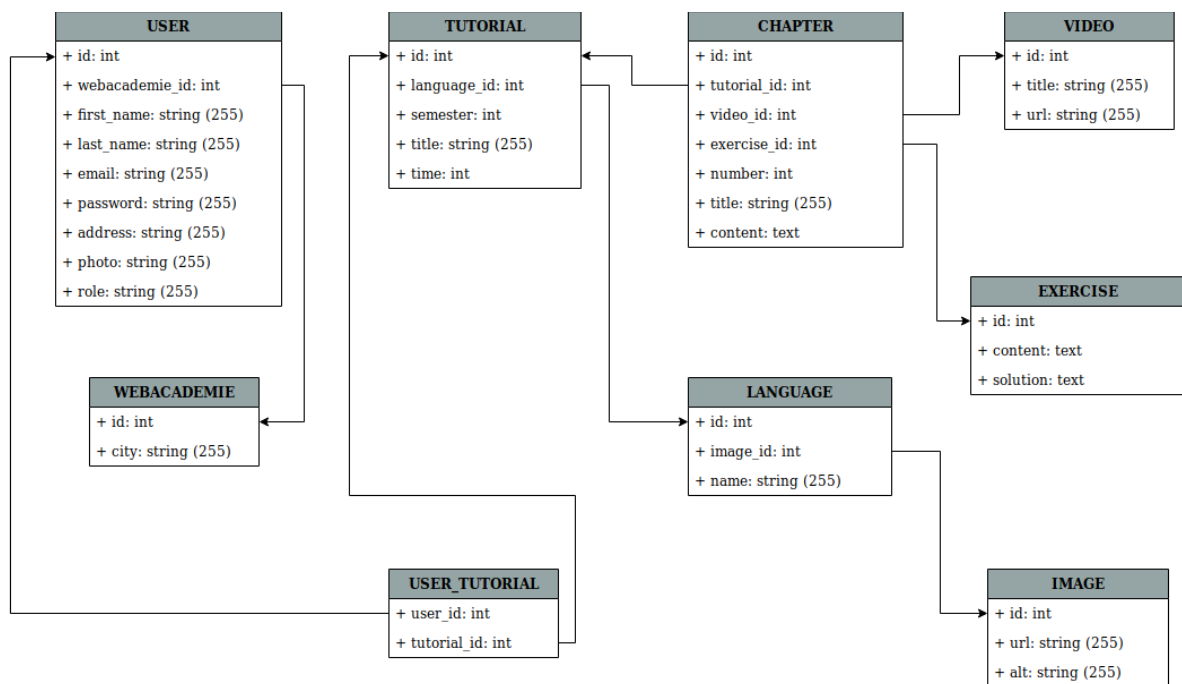
3. Clustering

Parts in process

Incoming parts



4. Database



5. Gantt chart

