Technical report – forum synfony

This project consists to creating an online forum. Easy to access and intuitive, the application should contain :

* A home page with a link on login form and another on registration form
* The user must be connected to answer to a topic or post a topic
* The users can consult topics and answers without restrictions, all topics are listed in first page and sorted by creation date in antecchronological order

To realize this project, the first step was to make a mock-up of the website on justinmind. Then i had to make a schema of the database structure on Jmerise. First i realized this project only in PHP, then i have to recreate this project using symfony framework. This is a PHP web application framework and a set reusable PHP component and libraries, which is based on MVC (Model View Controller) pattern, it’s used to developing user interfaces that divides the related program logic into three interconnected elements :

* Model is the part which make requests to the database
* View is the part which represents all the information that the user can see
* Controller is the manager, this is it which called the model and the view

I never used symfony framework before so i had to learned how it works.

This framework allows to create entities easily with command in the console as well as the controller and the forms. Theses commands generate automaticaly all fields. This allows me to win much time, because without symfony framework it would take few days just for create all entities, controllers and forms.

There is also few commands to make login form, logout and authentification form. Symfony take care of created all what you need to make it work properly.

Then i coded functionalities like show all topics or show all post of one topic in particularly, i had to make relations between entities and controller, controller and model and controller and views.

With symfony, requests aren’t in SQL but in DQL, this is a sub-language of SQL. The controller aren’t so different of that i already code in php. The view in symfony use Twig, this is a modern template engine for php which is default used by symfony. He has a very conscise synthax, which make templates more readable. it is fully documented so it’s easy to learn it.

Once these tools learned it was easy to remake a forum in few days only, instead of few weeks only in php. Symfony is fully documented so there is no really problem to code it.

Symfony’s security system is very powerfull, for example it can :

* Provides all the common security features, from authentication to authorization and from encoding passwords to loading users.
* Provides protection against CSRF attacks

From : [edward.poole@dev-inc.com](mailto:edward.poole@dev-inc.com)

To :marc.streng@cap-hues.co.uk

Date : today

Subject : Complementary informations

Hello Mr Streng,

I’m part of the team in charge of your website redesigning, and more particularly of the « login to personal space » aspect to your clients.

I contact you in order to known your preferences about informations that your client could show on his profil. This wasn’t approach during the meeting. This is a pre-established list, Wish you make a modification ?

* Surname, forename
* Aga
* City
* Favorite shop

I remain at your entire disposal if you wish to arrange a new appointment.

Cordially,

Edward Poole

Développeur Logiciel Junior

Dev Incorporation

Blade Street

Manchester

UK

De : [lauren.porter@knight-industries.co.uk](mailto:lauren.porter@knight-industries.co.uk)

A : [contact@elandev.fr](mailto:contact@elandev.fr)

Date : du jour

Objet : Demande de rendez-vous

Cher monsieur ou madame,

Je vous contact aujourd’hui de la part de mon directeur afin de discuter d’un projet que nous avons au sein de notre entreprise. Nous avons connu Elan Dev grâce au dernier numéro de notre journal local. Mon nom est Lauren Porter et je suis actuellement l’assistante personnelle de Knight industries basé à Londres.

Nous serions ravis de vous rencontrez pour examiner notre projet qui traitera des congés au sein de notre département des ressources humaines

Seriez vous disponible la semaine prochaine, jeudi matin ? Nous visiterons nos locaux près de votre entreprise.

Dans l’attente de votre réponse.

Sincères amitiés