Theme report

CONCEPTION AND REALIZATION OF A GI FORUM

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Summary

Introduction

We would like to warmly thank our teacher, Mrs. AMROUCH MUSTAPHA, for the time spent together and for sharing his expertise on a daily basis. Thanks also to his trust, we were able to fully accomplish our missions and develop our knowledge thanks to his precious help.

Our thanks are also addressed to the entire teaching team of the 1st Year GI, in particular for all the knowledge acquired which enabled us to realize this project.

As part of our project in 2nd year GI, we did a project. During this period we realized a website created for a lucrative spirit.

The goal is also to learn how to manage a professional project from the reformulation of the specifications until its complete realization while respecting the requirements of the client.

You will also see in this project a direct website of the skills acquired during our professional career especially with regard to languages Html, CSS, JS, Php for integration and on the other hand PhpMyAdmin for the creation of the database of data.

Development tools

1. Language used:

- HTML :

Hypertext Markup Language (HTML) is the standard markup language for documents designed to be displayed in a web browser. It can be assisted by technologies such as Cascading Style Sheets (CSS) and scripting languages such as JavaScript.

- CSS

Cascading Style Sheets (CSS) is a style sheet language used for describing the presentation of a document written in a markup language like HTML. CSS is a cornerstone technology of the World Wide Web, alongside HTML and JavaScript

- Bootstrap (front-end framework)

Bootstrap is a free and open-source CSS framework directed at responsive, mobile-first front-end web development. It contains CSS- and (optionally) JavaScript-based design templates for typography, forms, buttons, navigation, and other interface components.

- MySQL

MySQL is free and open-source software under the terms of the GNU General Public License, and is also available under a variety of proprietary licenses. MySQL was owned and sponsored by the Swedish company MySQL AB, which was bought by Sun Microsystems (now Oracle Corporation). In 2010, when Oracle acquired Sun, Widenius forked the open-source MySQL project to create MariaDB

- PHP

PHP (PHP: Hypertext Preprocessor) is a scripting language that helps people make web pages more interactive by allowing them to do more intelligent, complex things. PHP code is run on the web server.

A website programmed with PHP can have pages that are password protected. A website with no programming cannot do this without other complex things. Standard PHP file extensions are: .php .php3 or .phtml, but a web server can be set up to use any extension

2. Software used:

- XAMPP

XAMPP is a free and open-source cross-platform web server solution stack package developed by Apache Friends, consisting mainly of the Apache HTTP Server, MariaDB database, and interpreters for scripts written in the PHP and Perl languages. Since most actual web server deployments use the same components as XAMPP, it makes transitioning from a local test server to a live server possible.

- Visual Studio Code

Visual Studio Code is a source-code editor developed by Microsoft for Windows, Linux and macOS. It includes support for debugging, embedded Git control and GitHub, syntax highlighting, intelligent code completion, snippets, and code refactoring. It is highly customizable, allowing users to change the theme, keyboard shortcuts, preferences, and install extensions that add additional functionality. The source code is free and open-source, released under the permissive MIT License. The compiled binaries are freeware for any use.

Project features

This web application is a forum is for GI'is students in EST Agadir, it is undeniably packed full of features, below are just a few of the main ones:

Each student can register in the forum and login with his email and password.

With his login in the forum the student can consult his member area in order to see the courses published by the admins.

He can also ask questions about a specific subject, which the admin and other members can interact with and answer.

The forum also makes it possible to present and display the university activities carried out by the students of the department.

Department related news are also represented, such as exam dates and marks announcements, and other things that professors want to share with students

Conclusion

The project of creating a website was not as difficult as the fact that

During the realization of this project we directly applied the knowledge acquired during the course. To do such an important job, we did a lot of research (bibliography) to achieve our objectives.

We have also been aware that this application may evolve in the future and therefore it is really necessary at the development level to do precise and clear work in order to facilitate the work of the person who will take it over.

To achieve this result, we have been very patient in arriving at coding correctly. The discussion between promotion colleagues was also beneficial for the development of certain parts of the code. The distribution of work was efficient because it allowed us to meet the deadlines. This project was really exciting and we are proud of this achievement.