CUSTOMIZE MOODLE CERTIFICATE

MINOR PROJECT SYNOPSIS

BACHELOR OF TECHNOLOGY

Information Technology

SUBMITTED BY

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1 Introduction

The aim of this project is to study how we fetch the fields in moodle . Moodle is an open source virtual learning environment that is also known as a course management system. As an open-web application that educators can use to create Web learning portals, it is now a very popular platform that many universities have adopted around the world. This popularity and its use of open-source code have made it a starting point for in-house developments such as extensions or mobility modules , automatic correction of SQL exercises , and virtual mentoring .

In this project, we have to fetch the information of student in moodle by using HTML, CSS, and php and other languages also. There are three main criteria that have led universities to use Moodle in their virtual campuses. First of all, its teaching flexibility, as it provides added value to the different teaching styles and may be adapted to the varied pedagogical approaches of different teachers. Secondly, it is a user-friendly application both for teachers and for students, which also makes allowance for the elimination of barriers to access. Finally, Moodle allows the integration of different tools, including management tools, which gives it technological flexibility.

Rationale:

Why needed ?

Integration of this kind of tools into a Learning Management System is an essential feature in order to improve students' performance.

• To provide a very simple development environment in order to smooth the learning curve to the students.

• To be independent of the programming language. To use a particular programming language it is only required that the appropriate compiler is installed which is not required in virtual programming lab environment by moodle.

2 Objectives

1. To create a certificate from the moodle activities i.e. Quiz, Feedback or questionarries.

2. Customizing the fields from the activities on the certificate.

3. Issue badges, medals awarded i.e. Elite, Silver and Gold on the certificate.

3 Feasibility Study

The main objective of the feasibility study is to test the Technical, Operational and Economical feasibility for adding new device and debugging old running device/system. All system is feasible if they are unlimited resources and infinite time. There are aspects in the feasibility study portion of the preliminary investigation:

Technical Feasibility

Operational Feasibility

Economical Feasibility

3.1 Technical Feasibility

The technical issue usually raised during the feasibility stage of the investigation includes the following: Does the necessary technology exist to do what is suggested? Do the proposed equipment have the technical capacity to work properly? Are there technical guarantees of accuracy, reliability, case of access and control?

3.2 Operation Feasibility

Operational feasibility aspects of the project are to be taken as an important part of the project implementation. Some of the important issues raised are to test the operational feasibility of a project includes the following: Is there controlled efficiently? Will the system be used and work properly if it is being developed and implemented? Will there be any resistance from the user that will undetermined the possible application benefits.

3.3 Economic Feasibility

In the economic feasibility, the development cost in creating the system is evaluated against the ultimate benefit derived from the new systems. Financial benefits must equal or exceed the costs.

4 Methodology/ *Planning* of work

Moodle is an open source virtual learning environment that is also known as a course management system. As an open-web application that educators can use to create Web learning portals. In this the back-end code comprises HTML5, CSS, and php. All three types of code are contained in one .html file and can be run solely from this file. One of the advantages of HTML 5 is that it is not necessary to include different types of web languages in a single file. Therefore, each type could have been separated, making a total of three files (plus the miscellaneous algorithms and image files). This is good practice for readability and keeping related code together. However, I decided not to separate the code for two reasons:

1) To increase the portability of the project by only needing to worry about one project file instead of three

2) Where in the project file, the change in coding languages is distinctly marked and therefore does not significantly reduce readability. Also, the ability to put more than one web language in a single file is an example of an RIA (Rich Internet Application).

5 Facilities required for proposed work

Hardware Requirements:-

- Processor: Intel® Core™ i5-7200U CPU @ 2.50GHz × 4
- Hard-disk: 2GB
- RAM: 512 MB
- Input Devices:-Keyboard, Mouse.
- Output Devices:-Monitor, Printer

Software Requirements:-

- Operating system: Windows 10, Windows 8.1, Windows 7,linux.
- Front End: HTML, CSS.
- Backend: Xampp, PHP, PHPmyadmin, MySQL.
- Editors: Notepad, Dreamweaver MX 2004, Notepad++.
- Documentation-Tools: MS word 2013. Xampp Moodle

6 References

[1] "Step-by-step Installation Guide for Ubuntu". [Online]. Available: https://docs.moodle.org/310/en/Step-by-step_Installation_Guide_for_Ubuntu, 5 March 2021.

[2] Korbin Brown, "How to install XAMPP on Ubuntu Linux". [Online]. Available: https://linuxconfig.org/how-to-install-xampp-on-ubuntu-linux, 12 October 2020.

[3] "About Moodle". [Online]. Available: https://docs.moodle.org/310/en/About_Moodle, 31 August 2020.