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BSCS-7b

Assignment

Advanced Programming

Open Source Software Used = “Moodle”

**Moodle:**

Moodle is an open source software which was made to create a Learning Management System. It delivers a powerful set of tools and collaborative learning environment for both the learners and the teachers.

**How to Install:**

First you need a server software that creates a Hosting Account, in my case I used **xampp**. Then you need to install the moodle package and upload its files to the hosting account. Then you need to create mySQL database for moodle after that the installation of moodle starts where basically fill different form and make an account and then create your front page information.

**Working:**

There is a front page where basically there is information about of institute which is using this software to create their learning management system such as NUST lms.

The basic structure of moodle is around the courses where teachers can share their resources and activites with the student, which are usually in the central section with sideblocks mostly displaying the names of course or other options like settings etc.

In Moodle you don’t have to login as teacher or student , these roles are assigned later by the administrator.

Users can access different areas of moodle according to their role.

**Plugins:**

Plugins are used to add additional feature too the website, they can be installed by the admins by going to Site administration > Plugins > Install plugins.

Plugins that were explored by me were

Assignment Submission plugin which are simply used for the submission of assignments by the students its path is /mod/assign/submission

Quiz access rules plugin which simply add some rules to attemting the quiz e.g where it can be attempted at what time etc its path is /mod/quiz/accessrule

Question types plugin which is used to add different types of question in quizzes for example multiple options etc. its path is /question/type.

**Conclusion:**

So with this we can conclude that moodle is one of the best open source software out there for creating different learning management systems with the availability of many plugins which can help make it even more interactive and user friendly.