

Course Title : Database System Sessional
Course Code : CCE - 224

Database Project Proposal

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Project Title: Online Learning Management System.

Project description:

The Online Learning Management System is a web application that has been developed using various technologies such as PHP, MySQL database, JavaScript, HTML, CSS and Bootstrap. This system has been designed to provide an easy-to-use and user-friendly platform for students and admins to interact and manage their educational data online.

The system has two types of users: admin and student. Students can create their account by signing up and accessing the system with their login credentials. Once logged in, they can view their courses, progress, and other related information within the system. Students also have the ability to select courses under the approval of the admin, and they can chat with the admin for any inquiries they may have.

On the other hand, the admin has complete control over all transactions in the online chat. They can approve, delete, or manage users as necessary. The admin can also manage various aspects of the system, such as adding new courses, updating user profiles, and managing system settings.

The design of the system is based on a PHP MySQL database, which is used to store all the necessary data. The front-end is designed using HTML, CSS, JavaScript, and Bootstrap, which ensures a responsive and user-friendly layout.

The user interface of the system is clean and user-friendly. The main dashboard provides an overview of all the important information related to the user's account, such as their courses, progress, and more. The student can easily add courses and view their progress, while the admin can manage all user transactions through the online chat.

In conclusion, the Online Learning Management System is an efficient and user-friendly web application that provides an excellent solution for managing educational data online. Its simple and interactive design makes it easy for both students and admins to use, and its powerful features make it an ideal choice for any educational institution.

Objective of the Project

The Online Learning Management System should be built to make the learning process more convenient and accessible to learners.

- ❖ Giving learners a centralized platform to access course materials, engage with instructors and classmates, and track their progress.
- ❖ A variety of learning alternatives are available, including self-paced modules, instructor-led courses, and hybrid models.
- ❖ Allowing teachers to create and deliver individualized learning experiences that are suited to the needs of individual learners.
- ❖ Creating learner cooperation by encouraging dialogue and the exchange of ideas. Assuring the platform's security, dependability, and scalability in the face of high traffic and data volumes.

The ultimate goal of Online Learning Management System project is to establish a dynamic and engaging learning environment that fits the needs of both learners and instructors.

Beneficiary of the project:

- ❖ Learners benefit from an LMS because it gives them access to instructional resources at any time and from any location. They can learn at their own pace, communicate with other students, and receive feedback on their progress.
- ❖ teachers: An LMS provides teachers with a variety of tools for developing and delivering interesting course content, tracking learner progress, and providing individualized feedback. It also makes administrative responsibilities like grading, attendance, and reporting easier.
- ❖ Educational Institutions: An LMS allows schools, universities, and training organizations to expand their reach beyond traditional classroom settings. They can reach a larger audience, cut overhead costs, and track learner performance more effectively.
- ❖ Society benefits from the availability of high-quality online educational resources. It expands access to education and training regardless of geographical location, socioeconomic background, or physical ability.

This, in turn, has the potential to contribute to economic growth, more innovation, and a more educated population.

Existing Project work problem

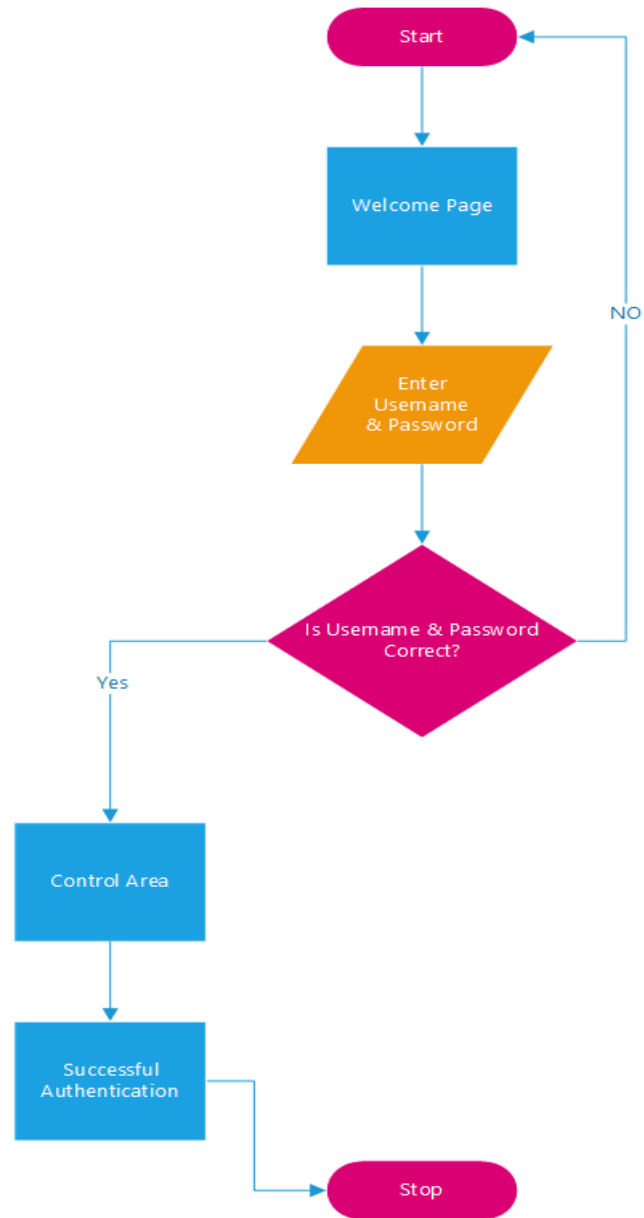
Data input and data store problem.

Why do you choose this project

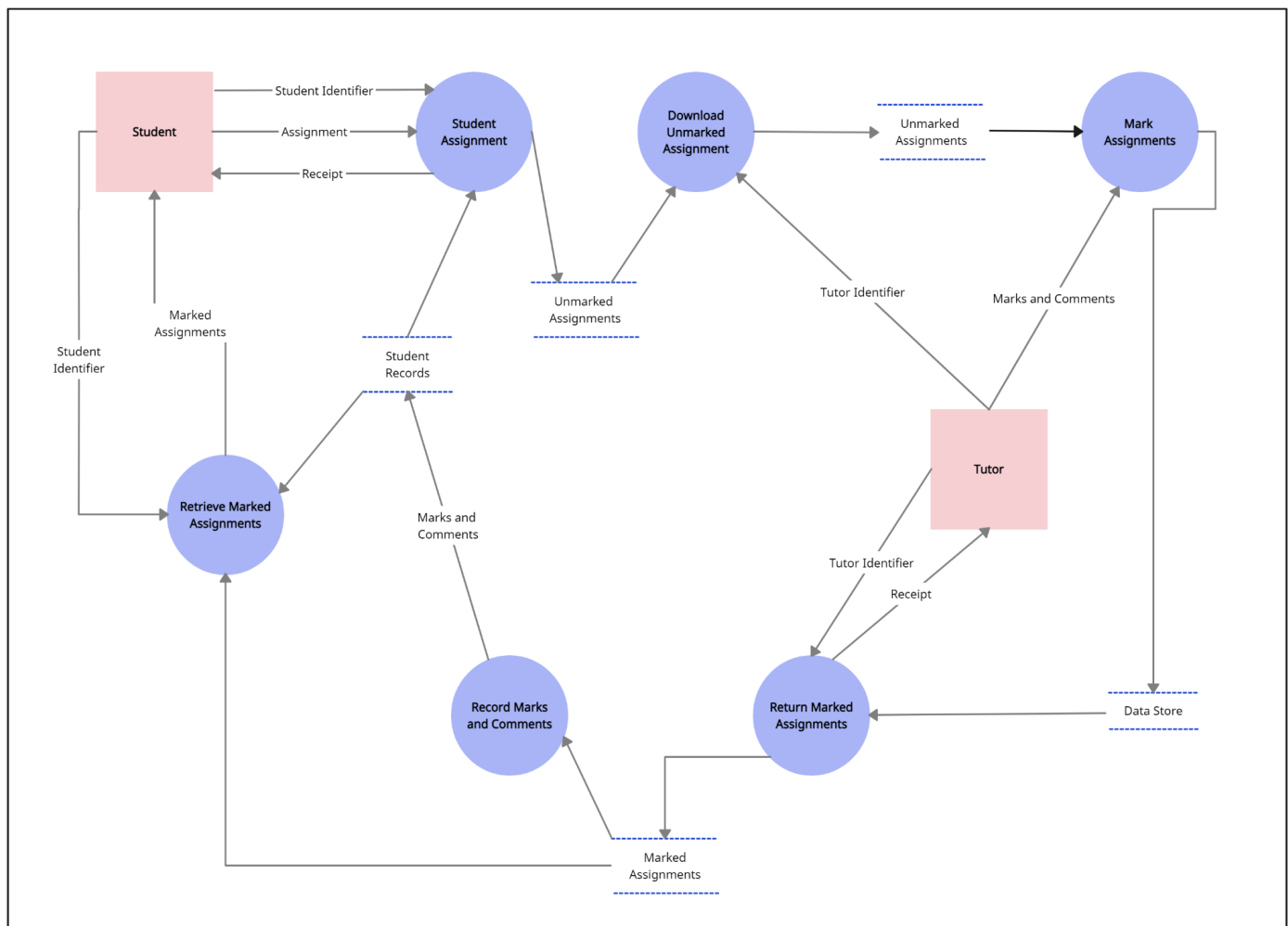
I choose online-based learning for several reasons, including:

- ❖ **Flexibility:** Online-based learning provides flexibility in terms of when and where learning takes place. Students can access course materials and complete coursework at their own pace and on their own schedule, allowing them to balance learning with other commitments, such as work or family.
- ❖ **Convenience:** Online-based learning eliminates the need to commute to a physical location, saving time and money on transportation costs. Additionally, online-based learning allows students to access course materials and resources from anywhere with an internet connection.
- ❖ **Cost-Effective:** Online-based learning can be more cost-effective than traditional classroom-based learning. It eliminates the need for physical classroom space, reducing overhead costs for institutions. Additionally, online-based courses may be priced lower than traditional courses, making education more accessible to a wider range of students.
- ❖ **Personalized Learning:** Online-based learning can be tailored to meet the individual needs and learning styles of students. Students can access a variety of multimedia resources, such as videos and interactive activities, to enhance their learning experience. Additionally, online-based learning may offer personalized feedback and support from instructors.
- ❖ **Career Advancement:** Online-based learning can provide opportunities for career advancement and skill development. Students can earn certificates and degrees from accredited institutions, improving their qualifications and career prospects.

Flowchart of our Project:



ER Diagram of our Project:



Tools you will be used in Our project development:

Language Used:	PHP
Database Used:	My SQL
Design Interface:	Bootstrap JavaScript, HTML.
Browser:	Opera Mozilla Google Chrome
Software:	WAMP/ XAMPP/ LAMP/MAMP

Output of the project:

Giving learners a centralized platform to access course materials, engage with instructors and classmates, and track their progress.

A variety of learning alternatives are available, including self-paced modules, instructor-led courses, and hybrid models.