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On-line Homework Management System¹

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Abstract

An on-line homework management system is designed and implemented using B/S structure and ASP technology. The system not only can enable teachers to assign homework, correct homework, score homework and look up students' score record, but also can make it possible for students to submit their homework, receive the homework that the teacher has be corrected and commented, view oneself score on Internet network etc. Furthermore, the system is easy operation, good interactivity, friendly interface, as well as multi-functions etc. Therefore, the system has perfect functions and practical application. It can provide good service for teachers and students.

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Keywords: On-line Homework Management, Perfect functions, Practical application

1.Introduction

With the rapid development of computer technology and network technology, online teaching is becoming a focus of current education reform. Online course which is the core of the online teaching has got more and more attention. Online course is a effective course form which is organised by the internet. Compared with the traditional course, online course fundamentally changes the transmission form of education information. It re-examines the meaning of the curriculum from educational philosophy, educational model, teaching methods and so on. It has these bright network features, including: distributed open architecture, communication coordination, resource sharing, updates rapidly and others. So it has been an important carrier of online distance education. Online course can give full play to advantages of online teaching, and allow teachers and students, students and students to communicate interacted, and also can introduce a wealth of dynamic learning resources through links. Online course as a flexible learning approach for students allows students to have distance learning at anywhere and anytime, which breaks through the time and space constraints. It is also important that Online course opened up another means of access to knowledge and education for some can not enter the university.

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Online homework management system is an important component of online course. Its main mission is to provide timely service for teachers and students, and also can publish and manage homework information quickly and easily. This paper designed and implemented an online homework management system. With this system students can conveniently view assignments, submit homework and view their homework situations and scores. Teachers can publish homework, check students' homework, manage students' homework and make scores' statistics. This system has many perfect functions and friendly interface, which can provide essential and timely service for teachers and students.

2. System Design and Implementation

2.1. Content design

Online homework management system is mainly to provide effective on-line homework management and make online teaching more convenient. This system is divided into the following functional blocks shown in Figure 1.

Administrator Module: With this Modul Administrator can set the type of uploaded files, set the system parameters, modify their information and password, manage teachers and students and manage visitors' IP address and others.

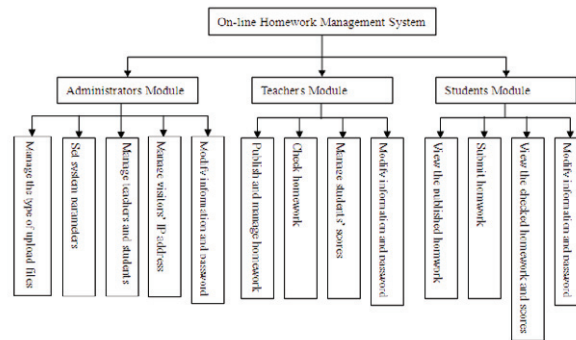


Figure 1 System Diagram

Teacher module: With this modul teachers can publish and manage homework, check homework, add and manage classes, manage students' scores, modify their information and password and contact the administrator and others.

Student module: With this module students can get homework, submit homework, view their scores, manage their homework and modify their information and password and others.

2.2. System Implementation

This system uses ASP (Active Server Page) technology, Dreamweaver MX development tools, ACCESS2003 as the back-end database. System's home page is shown in Figure 2.

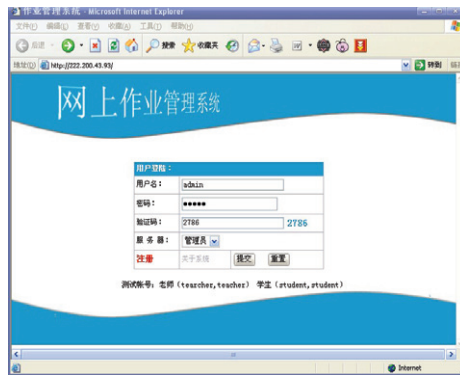


Figure 2 System's Home Page

The Functions of Administrator Module

Administrator Login: this module includes enters the username, password, authentication code, chooses the server administrator and forwards to administrator page if logs successfully. The page is shown in Figure 3.

The Functions of Teacher Module

After logging in, teachers can manage their own classes, choose whether to allow students to upload and check homework. The page is shown in Figure 4.

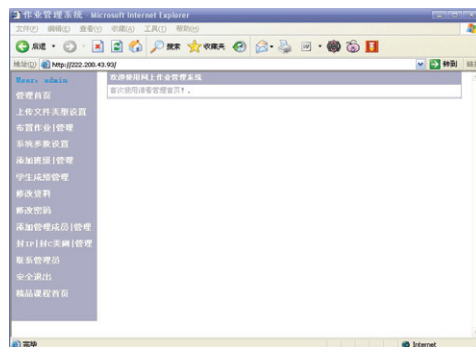


Figure 3 Manage Page of Administrators

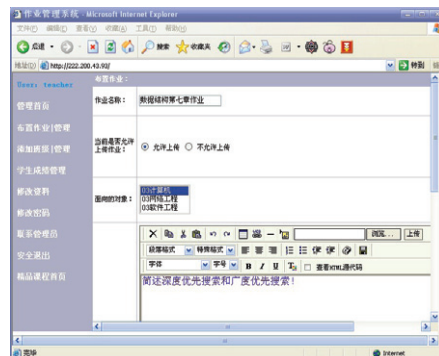


Figure 4 Manage Page of Teachers

The Functions of student Module

Students must first register and then log into the student homework management page. The page is shown in Figure 5.



Figure 5 Manage Page of Students

In this page, students can view the situation of current homework, including which homework has not been submitted, which has been checked and which has not been checked. Students can also download homework and view teacher's endorsement on the homework and so on.

3.Conclusion

On-line homework management system is mainly to improve the efficiency of homework management, provide a communication platform for remote teaching, effective use of existing computer and network resources, and then promote the development of informatization teaching. This system provides a communication platform on which teachers and students can communicate to break through the constraint of time and space. With this system, students can get teachers' feedback in time. From the above, with this system, students can promote the learning efficiency noticeably. Now, the online homework management system is being used. As the system is used and further improved, it will play an important role in teaching.

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