Management Software Development for Online Music Audio-visual

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Abstract. PHP is a powerful and easy-to-use scripting language. PHP technology is used in this paper to achieve management software of music online audio-visual to help administrators manage. Firstly, a brief introduction on PHP technology was carried on, which includes its basic concept and several features; secondly, various functional modules of software were introduced, including the song uploading module, song downloading module, album management module, auditing information module and statistical analysis module and so on; finally, detailed describing the realization of auditing information module, and giving a sequence diagram of the module. Successful implementation of the software can help administrators to manage some basic information quickly and easily, it can improve administrators' management level and efficiency effectively.

Introduction

Music is the abstract art form for people to express their inner thoughts, and it also is the art to express feelings and imbue emotion, which is created and promoted by human and consisted by organized musical. Music can bring happiness, vitality and relaxed feeling for people that allows people to experience the fun of music. Music can subtly influence people's minds, cultivate people's sentiments, beautiful and peaceful music can soothe people's hearts to heal heartache, and lyrical music can express people's love for happiness life and longing and yearning for the future. Therefore, the music as an ancient and long art form accompanies with the entire mankind development, and it has been occupying an important position in people's lives [1]. With the development of IT, network with its fast, efficient and convenient mean integrates into our lives and it is ubiquitous. Online games, online videos, online music is to get rapid development in such a market environment, and online music with its convenience has become a big trend in digital music. Because you can open link to listen directly, and downloading and management is also no need [2]. The basic form of online music appreciation is music on demand, the only way of music appreciation is to buy a CD or tape in the past, all the music is fixed in a CD or tape media. In this way, the user can enjoy songs in the medium, and they do not have more rights to choose. With the development of computer information technology, the market of online music has undergone tremendous changes, users can demand music by network according to their own preferences, and therefore they have greater choice [3].

The Key Technology

The software uses PHP technology. PHP (Hypertext Preprocessor) is a server-side, HTML embedded scripting language, it is powerful and easy-to-use [4]. It absorbs the syntax features of C language, Java and Perl, and it is conducive to learn and widely used, it is mainly suited for Web development. Meanwhile, PHP also follow an open source license, users can use it directly without buying it. PHP developers can download PHP source codes from the Internet or somewhere else, you can make the appropriate changes and improvement, you can also use PHP to make small personal site quickly or operate a large e-commerce site and so on.

PHP's features include:

(1) The unique syntax of PHP includes C, Java, Perl and new syntax innovated by PHP.

(2) PHP can perform dynamic pages faster than Perl and CGI. Compared with other programming languages, procedures are embedded into the HTML document to execute for PHP, so the efficient is much higher than CGI.

(3) PHP is very powerful, so all functions of CGI can be achieved by PHP.

(4) PHP supports almost popular databases and operating systems.

(5) The most important thing is that PHP can use C, C ++ to extend procedures.

PHP as an important part of the most mature open source system LAMP (Linux +Apache+MySQL+PHP), is welcomed and loved by a growing number of Web programmers with its simplicity, openness, low cost, safety and applicability. PHP provides all the basic functions as a coding language. In addition, it offers many useful features that make PHP more suitable for the development of dynamic web pages than other programming languages. For Web applications of enterprise-class, PHP also continue to improve and add new features.

The system chooses PHP and MySQL to develop, because PHP and MySQL is open-source software. Individuals can obtain and use the software freely for development and production, so the investment to develop the system will be reduced; the users used PHP and MySQL are very extensive and have a good application environment [5].

Function Module Design

Developed online audio-visual software not only can listen to music online, but also easy to update and manage. The management software of music online audio-visual is mainly for administrators to achieve backstage management. Its function module diagram is shown in Fig. 1.
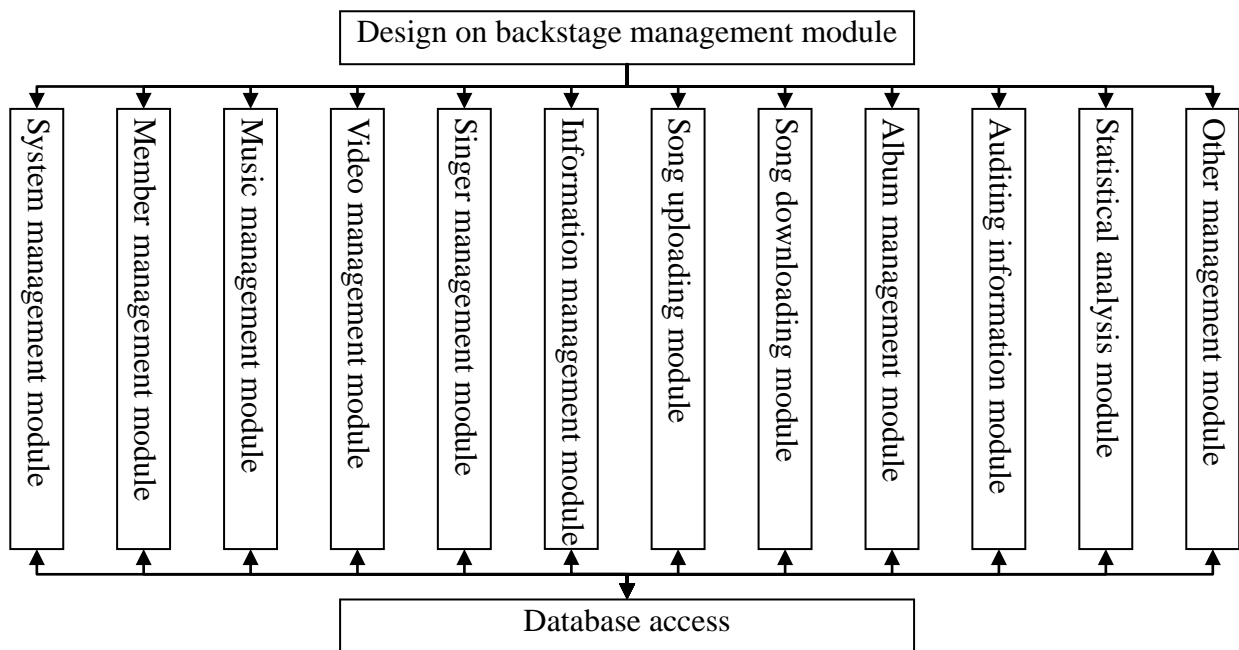

Fig. 1. Function module diagram of the system

(1) System management module: managers need to log in to backstage management system and then click "system management", and then they can do some basic information management for the software.

(2) Member management module: managers need to log in to backstage management system and then click "member management", firstly, they can check the new registered user's basic information, the new users will be retained if information is legal; otherwise users will be deleted. Secondly, managers can query, modify and delete basic information of a registered user. If users lose passwords and other data and information, they can find it through the management system.

(3) Music management module: managers need to log in to backstage management system and then click "music management", the module includes add songs, delete songs, and modify information of songs, and the displayed information of a song includes title, songwriter and singer

and other information.

(4) Video management module: managers need to log in to backstage management system and then click "video management", and they can query, modify and delete the videos in music.

(5) Singer management module: managers need to log in to backstage management system and then click "singer management", singers' names will be displayed in order. Clicking on the "add a new singer," managers will go into add the singer page, and they need fill out the singers' information on this page, and then submit. The information is submitted to the database, it is displayed on the appropriate page at the same time. The same they can modify and delete singers' information.

(6) Information management module: managers need to log in to backstage management system and then click "information management", they can release some the latest information about the music, such as the latest songs, new album and so on. Outdated information can be deleted.

(7) Song uploading module: managers need to log in to backstage management system and then click "song uploading", they can upload songs and update data. When upload songs, managers need to fill the related information of the songs. This is convenient for the users during music appreciation, and they can understand the relevant information of the song.

(8) Song downloading module: after landing system, administrators can download the legal songs uploaded by users, and update to its own database timely to maintain the integrity of the database.

(9) Album management module: managers need to log in to backstage management system and then click "album management", the basic information of all albums will be displayed, including name, singers' name. Clicking on the "add a new album," managers will go into add the album page, and they need fill out the albums' information on this page, and then submit. The information is submitted to the database, it is displayed on the appropriate page at the same time.

(10) Auditing information management: managers log in to backstage management system, and then they need to audit music information uploaded by users and users' comments. They can delete illegal information or comments. Feedbacks from users of the system also require administrator to review, the malicious feedbacks should be deleted.

(11) Statistical analysis module: managers need to count songs' monthly, quarterly and annual ranking and monthly, quarterly and annual frequency of listening to each song.

(12) Other management module: in addition to above management, the rest management is in this module, the administrator can manage in this module after login.

Specific Design on the Auditing Information Module

Auditing information is mainly used to ensure good and health environment of system. For popular music uploaded by users, users' comments and feedbacks require managers to audit in the background, and the information can be placed on display after audit. Otherwise managers can delete them directly, and notify the user that the music, comments or feedbacks information are illegal, managers have to remove them [6]. Sequence chart of auditing information module is shown in Fig. 2. Description of auditing management module is shown in table 1.

Table 1. Description of auditing management module

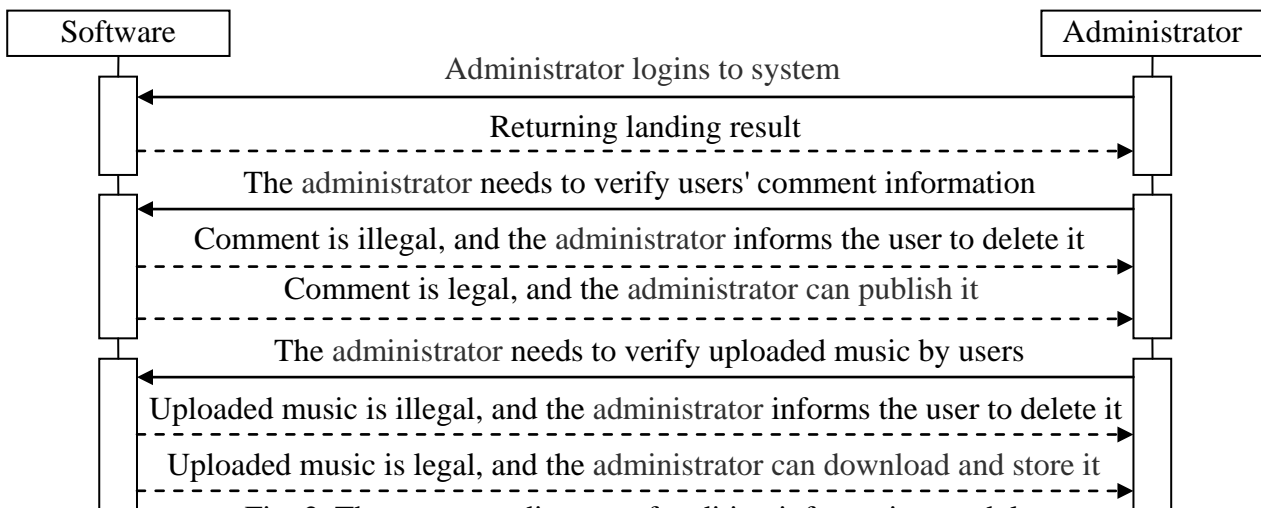| Name of function module	Auditing management
Description of function module	Managers audit uploaded information, comments, or feedbacks
Performer	Managers
The basic flow	(1) Managers need audit music uploaded by users, they can delete them if illegal.
	(2) Managers need audit comments uploaded by users, they can delete them if illegal.
	(3) Managers need audit feedbacks uploaded by users, they can delete them if illegal.

Fig. 2. The sequence diagram of auditing information module

Conclusion

Today as the Internet rapidly develops, the Internet has become an indispensable part of people's lives and learning. The network can bring us joy in life, and music can bring happiness, vitality and relaxed feeling for people that allows people to experience the fun of music. Therefore, the development of online music is also showing a thriving scene. Online music market is becoming increasingly important in the field music market, so it has broad prospects for development [7]. The system uses PHP technology to develop management software of online music audio-visual, and the software is a typical management system with practical significance, and the paper detailed describes the structure design and implementation of the system [8]. It mainly consists of multiple functional modules, including system management module, member management module, music management module and video management module and so on. Web interface should try to meet the aesthetic standards of the most people when develops, and the site need to have characteristics of user-friendly, fast and convenient-to-search, system security and stability.

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