

Design and implementation of online news resource management system / 莊文彬 撰 .- 彰化縣大村

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ABSTRACT

The news pages of Da-yeh 's official website are text-based with static pictures, without any audio/video clips. All news items are listed in the order of published dates, which makes it difficult for the administrator to modify the news list. In such a web environment, multimedia technology cannot be fully explored and important information cannot be easily highlighted. It also becomes quite difficult for readers to find news of their interests. This dissertation aims to provide an online news resources management system, which allows administrators to publish and manage news through an easy-to-use online editing tool. All news items can be put into different categories with the introduction of the 'channel' concept. Readers can thus find news of interest in a more efficient approach. Administrators can also decide the importance and display priority of each news item, and establish the relationships among news items for further reading suggestions. Based on their components, news items can be divided into three categories – generic, picture and video items. All video news items are stored on the YouTube platform. For each video clip with its YouTube URL, the system will retrieve its basic information automatically from YouTube, and use the results for default settings. The proposed news website can present news items in a rich multimedia way, and provide channels for readers to search news quickly and easily. The administrator can online publish, update news anytime and anywhere. The system is developed based on open-source freeware. Its building cost can thus be reduced for future promotion.

Keywords : online news、multimedia news、news management、channel、news website

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