Design and Implementation of the Web-Based Book Recommendation System

A content-based recommendation system, which recommends items based on a user's profile and the item's description, is analyzed. This system uses Struts2 + Hibernate + Spring technologies for Web design. The paper discusses the system's functions, architecture, and implementation techniques, proving its effectiveness and practicality through experimentation. The focus is on content-based recommendations for articles, restaurants, television programs, and items for sale, as these systems share a common approach: describing items and creating user profiles to recommend relevant content. This work emphasizes the design and implementation of an improved document management system for the Oyo State Housing Corporation, with special focus on security and space management. A Waterfall design model and three-tier architecture were employed, using HTML, CSS, JavaScript, and jQuery for client-side scripting, PHP for server-side scripting, and MySQL for database management. PHP AES encryption was used for encryption and decryption of documents, and Zzlib library was utilized for compression.
Abstract:
The book recommendation system is mainly designed with Struts2 + Hibernate + Spring technologies in the Web design. This paper analyzes the functions of the system, introduces the systems architecture and the key technologies of system implementation, and proves the effectiveness and practicability of the system through experiment.